

3961

ORIGINAL

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Book B.

BOOK 3961

# FIELD NOTES

OF THE SURVEY OF THE

South, West and North boundaries and

subdivisional lines of T.14 S., R.7 W.,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Benjamin J. Kinsey, U.S. Surveyor,

In the capacity of U. S. Surveyor, under Special Instructions dated October 1, 1931, issued by the District Cadastral Engineer to govern surveys included in Group No. 170, which were approved by the Commissioner of the General Land Office, November 12, 1931, and Assignment Instructions dated November 17, 1931.

Survey commenced December 16, 1931.

Survey completed January 23, 1932.

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BOOK 3961

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The surveys herein described were executed by B. J. Kinsey, U. S. Surveyor, using Buff transit No. 16,724 and Young & Sons transit No. 8540. These instruments are equipped with Smith solar attachments, full vertical circles and otherwise conform to the standard requirements of the General Land Office. The instruments were examined, tested and approved by the District Cadastral Engineer of Arizona and California, on November 17, 1931, conditional upon satisfactory field tests. Unless otherwise specified all azimuth determinations are accomplished with the solar attachment.

PRELIMINARY FIELD TEST  
of

Buff transit No. 16,724 and Young & Sons transit No. 8540 by Benjamin J. Kinsey, U. S. Surveyor.

December, 17, 1931, at station in N.W.  $\frac{1}{4}$  of sec. 36, T. 14 S., R. 7 W., G. and S.R. B. and M., Arizona, in latitude  $32^{\circ} 09' 48''$  N., as determined by observations hereinafter described, and approximate longitude  $112^{\circ} 57' W.$ , determined from State Maps, examine the adjustments of the transit and find no errors; then, to test the solar apparatus on a true meridian, proceed as follows:

Dec. 18, at 1 hr. 52m., a.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions and marking the mean point in the line thus determined by a tack set in a peg, driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at eastern elongation:  $1^{\circ} 14\frac{1}{2}'$ .

At daylight, lay off the azimuth of Polaris,  $1^{\circ} 14\frac{1}{2}'$  to the west, and mark the meridian thus determined by a tack set in a peg. driven firmly in the ground about 5 chs. N.

At 9 h. 00m., a.m., app. t., set off  $32^{\circ} 10' N.$ , on lat. arc,  $23^{\circ} 21' S.$ , on decl. arc and determine a meridian with the solar which find to agree with the true meridian.

At 12h. 00m., app. noon, with lat. arc unchanged, observe the sun on the meridian; the resultant reading of the declination arc is  $23^{\circ} 22' S.$ , which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app.t., with lat. arc unchanged, set off  $23^{\circ} 22' S.$  on decl. arc and determine a meridian with the solar which find to agree with the true meridian. As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian, conclude that the instruments are in a satisfactory state of adjustment.

Unless otherwise specified, all azimuth determinations are made with the solar attachment, except the special observations upon Polaris upon which to test the solar apparatus.

All measurements are made with a Lufkin steel tape 5 chs. in length, compared with a Lufkin standard and found correct. The measurements are made on the slope, the vertical angle determined with a clinometer and the slope measurements properly reduced to horizontal values.

Observation for Latitude, upon the Sun.

January, 22, 1932: in approximate latitude  $32^{\circ} 10' N.$ , and approximate longitude  $112^{\circ} 57' W.$ , at station in N.W. $\frac{1}{4}$  of sec. 36, T. 14 S., R. 7 W., G. & S.R. B. and M., Arizona, make a meridian altitude observation of the sun for latitude, observing the altitude of the suns lower limb with the telescope in direct position, reversing the transit and observing the suns upper limb.

Apparent time of observation, noon : 12 h. 00 m. 00 s.  
 Mean observed altitude :  $38^{\circ} 02' 30''$ .  
 Reduced latitude :  $32^{\circ} 09' 41'' N.$

Observation for Latitude, upon Polaris.

January, 21, 1932: at station in N.W. $\frac{1}{4}$  of sec. 36, T. 14 S., R. 7 W., Arizona, make an hour angle observation of Polaris for latitude, reading two vertical angles, one each with the telescope in direct and reversed positions:

Mean observed vertical angle :  $33^{\circ} 14' 00''$ .  
 Mean watch time of observation : 6 h. 33 m., 10 s.  
 Watch fast of l.m.t.: 24 m., 39 s.

Reduced latitude :  $32^{\circ} 09' 55''$ .

6-33-10  
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Survey of the South Bdy. of T. 14 S., R. 7 W.

Chains

The following notes describe a survey of the South Bdy., of T. 14 S., R. 7 W.

From the corner of Ts. 14 and 15 S., Rs. 6 and 7 W., established by Thorn & Sechrist, in 1918, and which is an iron post 3 ins. in diam., firmly set and projecting 30 ins. above ground and mound of stone, with brass cap marked as described in the official record.

Thence,

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

Over mountainous land, thru scattering timber and undergrowth.

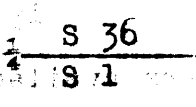
Desc. 123 ft. over NW slope.

11.70 Wash, 10 lks. wide, 4 ft. deep, course NE. Asc. 214 ft. over NE slope.

25.60 Spur, bears NE. Desc. 124 ft. over NW slope.

29.10 Wash, 10 lks. wide, 6 ft. deep, course N. (heads 5 chs. S.) Asc. 210 ft. over NE slope, to

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 1 and 36, with brass cap marked



1931

No bearing trees available.

Asc. 319 ft. over NE slope.

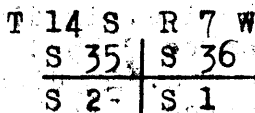
53.70 East edge of nearly level tableland; bears N. and S.; thence across slightly rolling land.

56.20 Begin slight descent over W. slope.

60.40 West edge of tableland; bears N. and S. Desc. 492 ft. over steep, broken NW slope.

68.00 Shallow, rocky wash, course NW. Continue on more gradual descent.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 1, 2, 35 and 36, with brass cap marked



T 15 S

1931

6

Survey of the S. Bdy. of T. 14 S., R. 7 W.

Chains

Land, rough mountainous, and slightly rolling.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, cacti, greasewood, catclaw and suhuaro.

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

Over mountainous land, thru scattering timber and undergrowth.

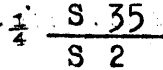
Desc. 471 ft. over NW slope.

10.00 Spur, bears N. A knoll, about the same elevation as this point on line, bears N., about 5 chs. distant.

22.00 Rocky wash, 10 lks. wide, 2 ft. deep, course NW. Desc. over more gradual slope.

39.50 Wash, 10 lks. wide, 2 ft. deep, course NW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 35 and 2, with brass cap marked



1931

No bearing trees available.

Continue over rolling W. slope, on gradual descent.

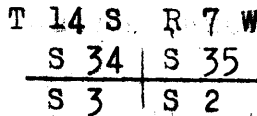
45.00 Wash, 10 lks. wide, 2 ft. deep, course NW.

56.20 Old road, bears NE and SW.

72.65 Wire fence, bears NE and SW.

74.25 Road, bears NE and SW; from Bates Wells to Quitovaquita.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 2, 3, 34 and 35, with brass cap marked



T 15 S

1931

from which,  
a mesquite, 8 ins. in diam., bears N. 73° E., 34 lks. dist., marked T 14 S R 7 W S 35 BT  
a paloverde, 12 ins. in diam., bears S. 87° E., 104 lks. dist., marked T 15 S R 7 W S 2 BT  
a mesquite, 10 ins. in diam., bears N. 14 1/2° W., 152 lks. dist., marked T 14 S R 7 W S 34 BT  
No other bearing tree available to the SW.  
A conical butte, bears S. 5° 50' W., about 1 1/2 miles distant.  
A conical butte, bears S. 21 3/4° E., about 1 1/2 miles distant.

Survey of the South Bdy. of T. 14 S., R. 70W.

8881  
7

Chains

Land, mountainous and rolling.  
Soil, rocky 3rd. and 4th. rate.  
Timber, paloverde, mesquite and ironwood.  
Undergrowth, cacti, greasewood, suhuaro, catclaw and oca-  
tilla.

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

Over rolling land, thru scattering timber and thick un-  
dergrowth.

- .20 Enter Growler Wash, bank 4 ft. deep, bears NE and SW, a-  
cross stony bottom, through thick arrowweed undergr-  
owth.
- 11.00 Main channel, 75 lks. wide, course SW.
- 12.00 Leave wash, bottom; at bank 4 ft. high, bears NE and SW;  
leave heavy enter scattering undergrowth.
- 14.00 Leave rolling, enter mountainous land; asc. 471 ft. over  
E. slope.
- 23.00 Spur, bears SE; Continue ascent over SE slope, bears  
SW about 3 chs. distant.
- 34.50 Spur, bears NE. A knoll, about 50 ft. above line point  
bears SW about 3 chains distant. Desc. 161 ft. over  
NW slope.
- 39.00 Wash, 10 lks. wide, 3 ft. deep, course NW. Asc. 30 ft.  
over NE slope.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in  
the ground to bedrock, deposit a stone marked with a  
cross (X) at base of post, in a mound of stone to top,  
for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 34, with brass cap  
marked

S 34  
-----  
S 3

1931

No bearing trees available.

Asc. 139 ft. over NE slope.

- 45.40 Spur, bears NW. A knoll, about 75 ft. above line point,  
bears South, about 5 chs. distant. Desc. 479 ft.  
over NW slope to corner.
- 64.30 Head of wash, course NW. Lv. mountainous, enter rolling  
land.
- 76.90 Enter wash, 20 lks. wide, 2 ft. deep, from SE; continue  
down same.
- 78.00 Leave wash, turns SW.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in  
the ground to bedrock, deposit a stone marked with a  
cross (X) at base of post, in a mound of stone to  
top, for the cor. of secs. 3, 4, 33 and 34, with  
brass cap marked

Survey of the South Bdy. of T. 14 S., R. 7 W.

Chains

T 14 S R 7 W

S 33 | S 34

S 4 | S 3

T 15 S

1931

No bearing trees available.

Land, mountainous, and rolling.  
Soil, rocky 3rd. and 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, cacti, catclaw and sahuaro.

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

Over rolling desert land, through scattering timber and undergrowth.

6.10 Wash, 20 lks. wide, 6 ft. deep, course NW.

15.50 Wash, 20 lks. wide, 6 ft. deep, course N. Asc. gradual NE slope.

35.00 Spur, bears N. Desc. gradual NW slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 4 and 33, with brass cap marked

1/4 S 33

S 4

1931

No bearing trees available.

Thence, across nearly level desert.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground for the cor. of secs. 4, 5, 32 and 33, with brass cap marked

T 14 S R 7 W

S 32 | S 33

S 5 | S 4

T 15 S

1931

from which,  
a mesquite, 12 ins. in diam., bears N. 19 1/2° W., 256 lks. dist., marked T 14 S R 7 W S 32 BT  
a mesquite, 6 ins. in diam., bears N. 24 1/2° E., 44 lks. dist., marked T 14 S R 7 W S 33 BT  
a mesquite, 7 ins. in diam., bears S. 39° E., 181 lks. dist., marked T 15 S R 7 W S 4 BT  
No other bearing tree available.

Raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.  
Soil, sandy and stony 3rd. rate.  
Timber, paloverde, mesquite and ironwood.  
Undergrowth, greasewood, cacti and sahuaro.



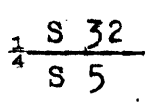
Survey of the South Bdy. of T. 14 S., R. 7 W.

Chains

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

Over rolling desert, through scattering timber and undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 5 and 32, with brass cap marked

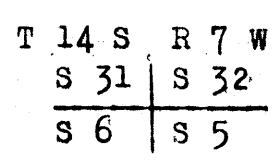


1931

65.00 Across draw bottom, drains SW.

75.00 Leave bottomland.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 5, 6, 31 and 32, with brass cap marked



T 15 S  
1931

No bearing trees available.  
Dig pits 18 x 18 x 12 ins., NW, NE, SE, and SW of cor.

Land, rolling.  
Soil, sandy, gravelly, 3rd. rate.  
Timber, paloverde, mesquite and ironwood.  
Undergrowth, greasewood, sagebrush, cacti and sahuaro.

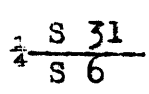
West, on true line, bet. secs. 6 and 31.

Over rolling desert, through scattering timber and undergrowth.

2.50 Wash, 20 lks. wide, 6 ft. deep, course NW.

19.30 Road, bears NE and SW, from Bates Wells to Papago Mine.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 6 and 31, with brass cap marked



1931

No bearing trees available.

45.20 Enter Growler wash, over 10 ft. bank, which bears NW and SE.

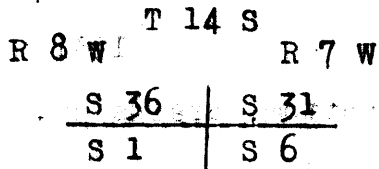
Chains

Thence, through dense undergrowth.

55.00 Main channel, 1 ch. wide, course NW.

56.00 Leave Growler wash; over 10 ft. bank, bears NW and SE; leave dense, enter scattering undergrowth.

79:54 (allowing 46 lks. for convergency) set an iron post 3 ft. long, 3 ins. in diam., 27 ins. in the ground, for the cor. of Ts. 14 and 15 S., Rs. 7 and 8 W., with brass cap marked



T 15 S  
1931

No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high S. of cor.

Land, rolling.

Soil, sandy, gravelly, 3rd. rate.

Timber, paloverde, ironwood and mesquite.

Undergrowth, greasewood, cacti and sagebrush.



Survey of the West Bdy. of T. 14 S., R. 7 W.

Chains

From the corner of Ts. 14 and 15 S., Rs. 7 and 8 W., here-  
inbefore described.

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

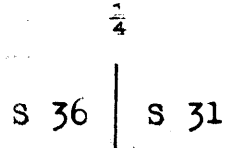
Over slightly rolling land, thru scattering timber and  
undergrowth.

12.00 Enter Growler wash, over 10 ft. bank, bears NW and SE;  
thence across stony bottom, through dense undergrowth.

15.50 Main channel, 50 lks. wide, 2 ft. deep, course NW.

20.00 Leave Growler wash, asc. over vertical bank, 10 ft. high,  
bears NW and SE. Leave thick, enter scattering under-  
growth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in  
the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 36,  
with brass cap marked

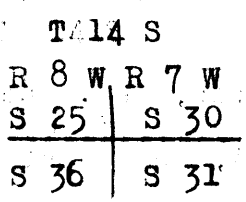


1932

18 x 18 x 12 ins., on line, N. and S. of corner. Dig pits

73.60 Road, little used and in poor condition, bears E. and W.,  
from Growler Mine to lower Growler Valley, be

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in  
the ground, for the corner of secs. 25, 30, 31 and  
36, with brass cap marked



1932

of stone 4 ft. base, 2 ft. high W. of cor. raise a mound

Land, rolling desert.  
Soil, sandy loam, 3rd. rate.  
Timber, paloverde, mesquite and ironwood.  
Undergrowth, greasewood, sagebrush and cacti.

North, on true line, bet. secs. 25 and 30.

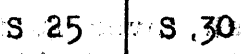
Over rolling desert, through scattering timber and under-  
growth.

11.50 Wash, 50 lks. wide, 6 ft. deep, course NW.

29.20 Wash, 50 lks. wide, 10 ft. deep, course SW.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the 1/4 sec. cor. of secs. 25 and 30, with brass cap marked



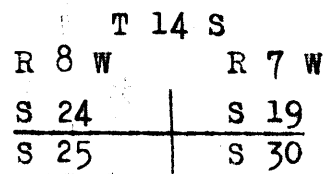
1932

raise a mound

of stone 4 ft. base, 2 ft. high W. of corner,

50.50 Wash, 10 lks. wide, 3 ft. deep, course SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 19, 24, 25 and 30, with brass cap marked



1932

raise a mound

of stone 4 ft. base, 2 ft. high W. of cor.

Land, rolling.  
 Soil, sandy loam, 3rd. rate.  
 Timber, paloverde, ironwood and mesquite.  
 Undergrowth, greasewood, cacti and sage brush.

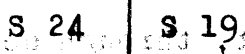
North, on true line, bet. secs. 19 and 24.

Over rolling land, thru scattering timber and undergrowth.

14.50 Wash, 75 lks. wide, 10 ft. deep, course SW. Leave rolling enter mountainous land, bears E. and W. Asc. 175 ft. over SE slope.

36.30 Wash, 10 lks. wide, 3 ft. deep, course SE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 19 and 24, with brass cap marked



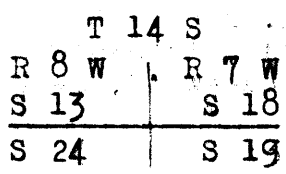
1932

No bearing trees available.

Asc. 84 ft. over SE slope.

Survey of the West Bdy. of T. 14 S., R. 7 W.

- Chains
- 48.00 Spur, bears E. From which, the top of a Black hill, about 200 ft. above line point, bears West about 15 chs. distant. Desc. 188 ft. over NE slope.
- 57.40 Wash, 10 lks. wide, 6 ft. deep, course NE. Asc. 30 ft. over SE slope.
- 60.00 Spur, bears NE. Desc. 170 ft. over N. slope.
- 69.30 Wash, 20 lks. wide, 12 ft. deep, course NW. Desc. gradually over N. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the corner of secs. 13, 18, 19 and 24, with brass cap marked



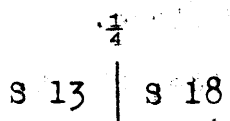
1932

raise a mound

of stone 4 ft. base, 2 ft. high W. of cor.  
 No bearing trees available.  
 Land, rolling and mountainous.  
 Soil, rocky, 4th. rate.  
 Timber, paloverde, ironwood and mesquite.  
 Undergrowth, greasewood, sagebrush and cacti.

North, on true line, bet. secs. 13 and 18.  
 Over rolling land, through scattering timber and undergrowth.

- .30 Wash, 20 lks. wide, 3 ft. deep, course W.
- 3.00 Wash, 50 lks. wide, 5 ft. deep, course NW.
- 14.00 Wash, 10 lks. wide, 6 ft. deep, course NW.
- 29.50 Wash, 50 lks. wide, 10 ft. deep, course NW.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 13 and 18, with brass cap marked



1932

No bearing trees available.

- 47.60 Wash, 30 lks. wide, 3 ft. deep, course SW.
- 78.60 Wash, 25 lks. wide, 10 ft. deep, course W.

14 Survey of the West Bdy. of T. 14 S. R. 7 W.

Chains

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 16 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 7, 12, 13 and 18, with brass cap marked

T 14 S



1932

No bearing trees available.

Land, rolling desert.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, mesquite and cacti.

North, on true line, bet. secs. 7 and 12.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 110 ft. over SW slope.

28.50 Wash, 50 lks. wide, 20 ft. deep, course W. Asc. 86 ft. over SW slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 7 and 12, with brass cap marked



1932

raise a mound of stone 4 ft. base, 2 ft. high W. of cor.  
No bearing trees available.

Asc. gradual SW slope.

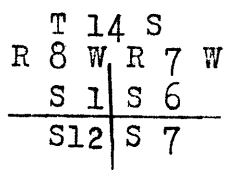
47.00 Wash, 80 lks. wide, 20 ft. deep, course SW.

63.20 Desc. gradual NW slope.

66.60 Gulch, 50 lks. wide, 20 ft. deep, course W. Asc. 111 ft. over SW slope.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 1, 6, 7 and 12, with brass cap marked

Chains



1932

No bearing trees available.

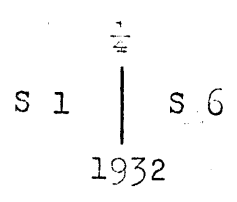
Land, mountainous.  
 Soil, rocky 4th. rate.  
 Timber, paloverde, mesquite, and ironwood.  
 Undergrowth, greasewood, cacti, and sagebrush.

North, on true line, bet. secs. 1 and 6.

Over mountainous land, through scattering timber and undergrowth.

Asc. 211 ft. over S.W. slope.

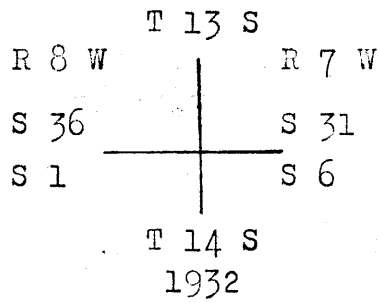
- 24.00 Spur, bears S.W. Desc. 62 ft. over N.W. slope.
- 26.80 Gulch, 30 lks. wide, 10 ft. deep, course S.W. Asc. 70 ft. over S.E. slope.
- 29.80 Spur, bears S.W. Desc. 75 ft. over N.W. slope.
- 33.50 Gulch, 30 lks. wide, 10 ft. deep, course S.W. Asc. 45 ft. over S.W. slope.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, alongside and to west of a boulder 24 x 24 x 36 ins. above ground, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor., with brass cap marked



No bearing trees available.

Asc. gradual S.W. slope.

- 47.50 Wash, 50 lks. wide, 20 ft. deep, course S.W. Asc. 46 ft. over S.E. slope.
- 53.60 Desc. gradual N.W. slope.
- 57.09 Draw, 50 lks. wide, course W. Over rolling W. slope.
- 67.30 Draw, 30 lks. wide, course S.W. Asc. gradually to
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 27 ins. in the ground, for the cor. of secs. 1, 6, 31, and 36, Tps. 13 and 14 S., Rs. 7 and 8 W., with brass cap marked



Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood, and mesquite.  
Undergrowth, greasewood, cacti, and sahuaro.

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Survey of the North bdy. of T. 14 S., R. 7 W.

Chains

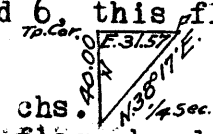
From the cor. of Ts. 13 and 14 S., Rs. 7 and 8 W., here-  
inbefore described.

Thence,

East, on a random line, bet. Ts. 14 and 15 S., R. 7 W.

Owing to the precipitous slopes in the W. 1/2 mile of the  
Tp., boundary, triangulate as follows:

Set a flag ahead, beyond top of cliff.  
Use N 1/2 of line bet. secs. 1 and 6, W. bdy. of Tp. as  
a base-North 40.00 chs.  
From the 1/4 sec. cor. of secs. 1 and 6, this flag bears  
N. 38° 17' E.



Dist. by triangulation : 31.57 chs.  
Vertical angle from Tp. cor. to flag ahead + 32°.  
Difference in elevation bet. these two points:  
1137 ft.

31.57 Flag point; continue line and measurement by chaining.

39.08 ( 39.54 chs. - 46 lks. convergency for six miles ) set  
temp. 1/4 sec. cor.

Thence, continue line and measurement, by chaining,  
setting temp. corners at 40 ch. intervals and at

479.04 Fall 28 lks. S. of the cor. of Ts. 13 and 14 S., Rs.  
6 and 7 W., hereinafter described.

True course and dist. for the N. bdy. of T. 14 S., R.  
7 W., are therefore, S. 89° 58' W., 479.04 chs.

The cor. of Ts. 13 and 14 S., Rs. 6 and 7 W., is an iron  
post, 3 ins. in diam., firmly set, projecting 30  
ins. above ground and mound of stone, with brass  
cap properly marked as described in the record  
for establishment, by Thorn and Sechrist, in 1918.

Thence,

S. 89° 58' W., on true line, bet. secs. 1 and 36.

Over mountainous land, through scattering timber and  
undergrowth.

Desc. 75 ft. over W. slope.

5.00 Foot of descent; leave mountainous, enter rolling land;  
across rocky wash bottom, course S.

6.00 Leave wash.

11.60 Old road, bears NE and SW.

21.00 Wash, 50 lks. wide, course SE; continue up same.

33.70 Leave wash, which drains from NW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in  
the ground, for the 1/4 sec. cor. of secs. 1 and 36,  
with brass cap marked

1/4 S 36  
S 1

1931

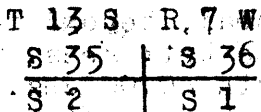
raise a mound

Chains

of stone, 4 x 2 ft. N. of cor. . . .  
No bearing trees available.

Continue on slight ascent over rolling E. slope.

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



T 14 S

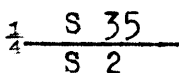
1932 . . . . . raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor. No bearing trees available.

Land, mountainous and rolling.  
Soil, rocky 3rd. and 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush and cacti, including Suhueros.

S. 89° 58' W., long, true line, bet. secs. 2 and 35.

Over rolling land, thru scattering timber and undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 35, with brass cap marked

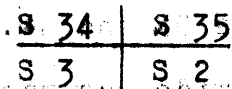


1932

No bearing trees available.

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

T 13 S R 7 W



T 14 S

1932 . . . . . No bearing trees available.

Land, rolling.  
Soil, rocky 3rd. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush, Suhuaro and cacti.

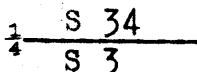
Chains

Sec 89° 05' 58" Wc, 1 onetrue line, bet. secs 4.3 and 34.

Over rolling land, thru scattering timber and undergrowth.

35.00- Wash, 10 lks. wide, 2 ft. deep, course NE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 3 and 34, with brass cap marked

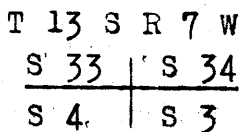


1932

No bearing trees available.

Continue over stony land.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 3, 4, 33 and 34, with brass cap marked



T 14 S  
1932

No bearing trees available.

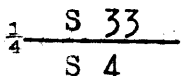
Land, rolling.  
Soil, stony, 3rd. and 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, cacti, suhuaro and sagebrush.

Sec 89° 05' 58" Wc, 1 onetrue line, bet. secs 3.4 and 33.

Over rolling land, through scattering timber and undergrowth.

16.40 Wash, 50 lks. wide, 6 ft. deep, course NE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 4 and 33, with brass cap marked



1932

Continue over rolling land.

Desc. 29 ft. over NW slope.

51.20 Wash, 60 lks. wide, 6 ft. deep, course NE. Asc. 134 ft.

Chains

over E. slope.

66.20 Spur, bears NE. Ascend 29 ft. along spur top.

72.65 Leave spur, descend 46 ft. over SW slope.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 4, 5, 32 and 33, with brass cap marked

T 13 S R 7 W	
S 32	S 33
S 5	S 4

T 14 S

1932

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush, sahuaro and cacti.

S 89° 58' W, long true line, bet. sec. 32.5 and 32.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 14 ft. over SE slope.

2.00 Desc. 53 ft. over SW slope.

6.10 Wash, 50 lks. wide, 3 ft. deep, course SE.

8.00 Same wash, course NE. Asc. 305 ft. over SE slope.

34.25 Spur, bears NE. Across level N. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 5 and 32, with brass cap marked

S 32
S 5

1932

No bearing trees available.

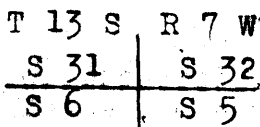
Asc. 45 ft. over NE slope of spur.

46.95 Slope changes; descend 265 ft. over NW slope.

74.95 Rocky wash, 60 lks. wide, course NE. Asc. 26 ft. over E. slope.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 5, 6, 31 and 32, with brass cap marked

Chains



T 14 S  
1932

No bearing trees available.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, cacti, sagebrush and sahuaro.

S. 89° 58' W., or true line, bet. sec 1.6 and 31.

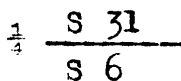
Over mountainous land, thru scattering undergrowth.

Asc. 1015 ft. over broken SE slope.

36.00 Rocky spur, 30 lks. wide, bears SE.

Continue gradual ascent.

40.00 Set an iron post 3 ft. long, 1 in. in diam., on bedrock, deposit a marked stone (X) at base of post, in a mound offstone to top, for the 1/4 sec. cor. of secs. 6 and 31, with brass cap marked



1932

No bearing trees available.

Asc. 131 ft. over SE slope.

47.50 Divide of the Growler Mountains, bears N. 30° E. and S. 30° W. From this point the followings bearings were taken:

- Papago Wells. in approximately T. 15 S., R. 10 W., bears S. 63° W.
- Papago Peak, in same Tp. as Well, bears S. 51° 40' W.
- South end of the Pinta Mountains, bears S. 70° W., about 30 miles distant.
- North end of the Pinta Mountains, bears N. 82° W.
- South end of the Granite Mountains, bears N. 85° W., about 20 miles distant.
- North end of the Granites, bears N. 45° W. about 30 miles distant.
- High peak in the Aguilla Mts., bears N. 35° W., about 35 miles distant.

48.00 Descend abruptly over precipitous slopes and cliffs, about 700 ft. to

65.00 (Approximately) foot of cliffs, bears N. and S. Continue descent of 300 ft. over W. slope to

79.04 The cor. of Ts. 13 and 14 S., Rs. 7 and 8 W., hereinbefore described.



Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of Tp., hereinbefore described.

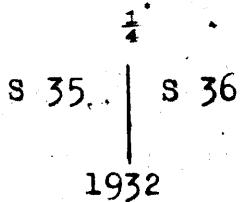
N.0° 01'W., on true line, bet. secs. 35 and 36.

Over mountainous land, thru scattering timber and undergrowth.

Desc. 457 ft. over boulder strewn, volcanic ground.

10.10 Rocky gulch, 20 lks. wide, 6 ft. deep, course NW. Continue descent over more gradual slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 35 and 36, with brass cap marked



No bearing trees available.

Desc. 23 ft. over NW slope.

45.00 Leave mountainous, enter rolling land, bears NE and SW.

55.00 Desc. over 6 ft. vertical bank into Growler Wash, entering dense undergrowth.

60.90 Main channel of Growler wash, 50 lks. wide, course SW.

63.00 Leave wash, over 6 ft. vertical band; leave dense, enter scattering undergrowth.

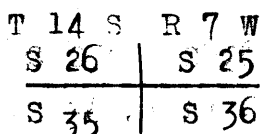
66.20 Windmill at Bates Well, bears east 150 lks. distant; this mill is over a good well of water, about 70 ft. deep, with 50 ft. of water. The ruins of a former Guest Ranch house, which burned down, lies east of windmill, about 3 chs. distant. There is a level area containing about six acres surrounding former house site.

67.70 Old road, bears E. and SW. Leads to site of old corral and unused well about 10 chs. SW. Also branches several chs. SW of line crossing, continuing to Quitobaquito, Arizona, about twenty miles distant.

71.10 Wire fence, bears NW and SE.

77.30 Wire fence, bears N.70° E., and S. 70° W.

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



1932 from which, a windmill, bears S.6° 05'E. Cor. of fences from SE-NE and SW bears S.20 1/2°W. a paloverde, 8 ins. in diam., bears S.70 1/2°E., 191 lks. dist., marked T 14 S R 7 W S 36 BT

Chains

an ironwood, 8 ins. in diam., bears N. 81° E., 329 lks. dist., marked T 14 S R 7 W S 25 BT  
No other bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, mountainous and rolling.  
Soil, rocky 3rd. and 4th. rate, on slopes; along Growler wash flats, soil is a sandy loam, 2nd. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, arrowweed, cacti, sagebrush and sahuaro.

-----  
Thence,

East, on a random line, bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.

79.84 Fall 7 lks. N. of the cor. of secs. 25, 30, 31 and 36, on the east bdy. of Tp., which is an iron post 2 ins. in diam., 16 ins. above ground, marked and witnessed as described in the official record.

Thence,

N. 89° 57' W., on true line, bet. secs. 25 and 36.

~~Over mountainous land, with scattering timber and undergrowth.~~

Asc. 84 ft. over SE slope.

2.80 Rocky, narrow spur, bears S. Desc. 451 ft. over SW slope.

21.00 Wash, 20 lks. wide, 4 ft. deep, course SW. Asc. 167 ft. over SE slope.

29.10 Spur, bears S. Desc. 167 ft. over SW slope.

39.92 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the 1/4 sec. cor. of secs. 25 and 36, with brass cap marked

S 25

-----  
S 36

1932 raise a mound of stone 4 ft. base, 2 ft. high, N. of cor.  
No bearing trees available.

Desc. 40 ft. over SW slope.

41.00 Foot of mountainous land, bears NW and SE. Across rolling desert.

51.70 Road, bears NW and SE., From Daniels Well to Bates Well.

55.75 Wire fence, bears N. 4° W., and S. 4° E.

62.20 Wash, 50 lks. wide, 1 ft. deep, course SW.

64.30 Wash, 25 lks. wide, 1 ft. deep, course SW.

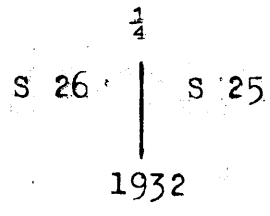


Survey of the Subdivision lines of T. 14 S., R. 7 W. 25

- Chains
- 68.20 Wash, 20 lks. wide, 1 ft. deep, course SW.
- 71.80 Wash, 20 lks. wide, 2 ft. deep, course SW.
- 75.00 Wire fence, bears N. 70° E. and S. 70° W.
- 77.40 Road, bears NE and SW.
- 78.70 Road, bears NW and SE.
- 79.84 The corner of secs. 25, 26, 35 and 36.

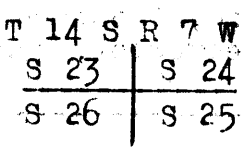
Land, mountainous and rolling.  
 Soil, sandy 2nd. and 3rd. rate, and rocky 4th. rate on slopes.  
 Timber, paloverde, mesquite and ironwood.  
 Undergrowth, greasewood, sagebrush, cacti and sahuaro.

- N. 0° 01' W., on true line, bet. secs. 25 and 26.
- Over rolling land, thru scattering timber and undergrowth.
- .10 Road, bears N. 70° E., and S. 70° W., from Ajo, Ariz., to Growler Mine.
- 33.00 Wash, 15 lks. wide, course SW.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 26, with brass cap marked



raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

- 74.10 Wash, 25 lks. wide, 2 ft. deep, course SW.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 23, 24, 25 and 26, with brass cap marked



1932 from which, a paloverde, 8 ins. in diam., bears S. 34 $\frac{1}{2}$ ° E., 16 lks. distant, marked T 14 S R 7 W S 25 BT  
 No other bearing tree available.

Land, rolling.  
 Soil, sandy, gravelly, 3rd. rate.  
 Timber, paloverde, ironwood and mesquite.  
 Undergrowth, greasewood, sagebrush, sahuaro and cacti.

26 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
	Thence, East on a random line, bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line, at 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of Tp., which is an iron post, 2 ins. in diam., firmly set, projecting 12 ins. above ground, with brass cap marked and witnessed as described in the official record.
	Thence,
	N. 89° 59' W., on true line, bet. secs. 24 and 25.
	Over rolling land, thru scattering timber and undergrowth.
5.20	Wash, 30 lks. wide, course S.
9.00	Road, bears NE and SW, from Bates Well to Mine tunnel, about 10 chs. N.
10.00	A hill, 70 ft. above line point, bears NW, 10 chs. dist.
22.10	Road, bears NW and SE.
25.50	Wash, 20 lks. wide, course S.
39.97	Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of secs. 24 and 25, with brass cap marked
	$\frac{1}{4} \begin{array}{c} S 24 \\ \hline S 25 \end{array}$
	1932                      Raise a mound of stone 4 ft. base, 2 ft. high N. of cor. No bearing trees available.
56.00	Road, bears NW and SE.
63.00	Wash, 30 lks. wide, 2 ft. deep, course S.
68.40	Wash, 25 lks. wide, 2 ft. deep, course S.
78.20	Wash, 25 lks. wide, 2 ft. deep, course S.
79.94	The cor. of secs. 23, 24, 25 and 26.
	Land, rolling. Soil, sandy and gravelly loam, 3rd. and 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, sagebrush and cacti; sahuaro.
-----	
	N. 0° 01' W., on true line, bet. secs. 23 and 24.
	Over rolling land, thru scattering timber and undergrowth.
4.50	Wash, 30 lks. wide, 1 ft. deep, course SE.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of secs. 23 and 24,

Survey of the Subdivision Lines of T.14 S., R.7 W.

Chains with brass cap marked

S23 | S24

1932

No bearing trees available. Raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

56.30 Wash, 50 lks. wide, 20 ft. deep, course SE.

68.00 Wash, 30 lks. wide, 6 ft. deep, course SW.

71.70 Same wash, course SE.

78.30 Wash, 10 lks. wide, 10 ft. deep, course SE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 13, 14, 23 and 24, with brass cap marked

T. 14 S R. 7 W

S14 | S13

S23 | S24

1932

No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.  
Soil, rocky, gravelly, 3rd and 4th rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush, cacti and sahuaro.

S. 89° 59' E. on random line, bet. secs. 13 and 24.

40.00 Set temp. 1/2 sec. cor.

80.08 Intersect the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of Tp., which is an iron post 2 ins. in diam. firmly set, projecting 20 ins. above ground and mound of stone, with brass cap marked and witnessed as described in the official record.

Thence,

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

Over rolling land, thru scattering timber and undergrowth. Desc. 27 ft. over W. slope.

7.80 Wash, course S.W.

10.00 Spur, brs. S. Desc.

13.00 Draw, 20 lks. wide, course SW.

17.00 Spur, brs SW.

19.20 Wash, 20 lks. wide, 2 ft. deep, course SW. Asc. 27 ft. over SE. slope.

22.15 Spur, bears SW. Desc. 37 ft. over SW. slope.

27.80 Wash, 20 lks. wide, course SW.

40.04 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to

Chains

top, for the 1/4 sec. cor. of secs. 13 and 24, with brass cap marked

1/4 S13  
S24  
1932

No bearing trees available.

Desc. gradual SW. slope.

47.10 Enter rocky wash, course S.

50.10 Leave wash.

51.25 Road, bears NW and SE.

61.35 Road, bears NW and SE.

71.10 Wash, 1 ch. wide, 12 ft. deep, course SE.

78.30 Wash, 50 lks. wide, 15 ft. deep, course S.

80.08 The cor. of secs. 13, 14, 23 and 24.

Land, rolling,  
Soil, rocky, 3d and 4th rate.  
Timber, paloverde, ironwood, and mesquite.  
Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

N. 0° 01' W., on true line, bet. secs. 13 and 14.

Over rolling land, through scattering timber and undergrowth.

Asc. gradual SE slope.

4.00 Wash, 10 lks. wide, 10 ft. deep, course SE.

6.40 Wash, 20 lks. wide, 6 ft. deep, course SE.

15.00 Spur, bears SE. Desc. 18 ft. over NW. slope.

19.00 Wash, 1 ch. wide, course SE. Asc. 18 ft. over SW slope.

20.00 Desc. 20 ft. over NW. bank of same wash.

20.20 Continue up wash; course SW.

21.80 Leave wash, from NW: at junction with wash from W. Asc. 20 ft. over SE. bank.

22.00 Across W. end of spur.

27.50 Desc. 20 ft. over NW. bank into same wash; course SW.

30:00 Asc. 20 ft. over SW. slope of bank.

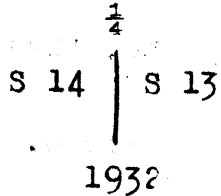
30.20 Across rolling spur, on slight ascent.

38.00 Road, bears NW. and SE.

Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 13 and 14, with brass cap marked



No bearing trees available.  
From corner, a sheet iron mining shack, bears west 2 chs. distant.

Continue across level flat.

42.00 Enter mountainous land; bears NW and SE. Asc. 131 ft. over SW slope.

48.90 Wash, 10 lks. wide, 6 ft. deep, course W.

53.45 Old road to mine tunnel, from shack, bears NE and SW.

54.30 Mine tunnel, bears East, 30 lks. distant.

59.20 Spur, bears NW. Desc. 57 ft. over NW slope.

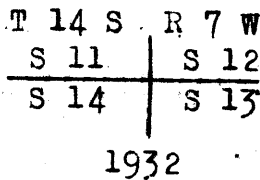
61.85 Wash, 15 lks. wide, course NW. Asc. gradual SW slope.

64.10 Spur, bears NW. Desc. 25 ft. over NW slope.

68.40 Wash, 20 lks. wide, 2 ft. deep, course W. Asc. 84 ft. over SW slope.

73.30 Wash, 50 lks. wide, 20 ft. deep, course SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 22 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 11, 12, 13 and 14, with brass cap marked



No bearing trees available.

Land, rolling and mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush, cacti and Sahuaro.

S. 89° 59' E., on a random line, bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

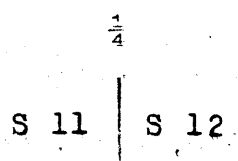
80.10 Intersect the N. and S. line, on E. bdy. of Tp., at 7 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post 2 ins. in diam., 18 ins. above ground

Chains	
	and mound of stone, with brass cap marked and witnessed as described in the official record.
	Thence,
	S. 89° 58' W., on true line, bet. secs. 12 and 13.
	Over mountainous land, through scattering timber and undergrowth.
	Asc. 12 ft. over NE slope.
3.00	Spur, bears NE. Desc. 9 ft. over NW slope.
9.90	Wash, 10 lks. wide, course NW. Asc. 38 ft. over NE slope.
21.90	Spur, bears NE. Desc. 16 ft. over NW slope.
27.30	Wash, 20 lks. wide, course N. Asc. 16 ft. over E. slope.
30.90	Spur, bears NE. Desc. gradual NW slope.
40.05	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 12 and 13, with brass cap marked
	$\frac{S\ 12}{S\ 13}$
	1932.
	No bearing trees available.
	Desc. gradual NW slope.
43.50	Wash, 20 lks. wide, 2 ft. deep, course NE. Asc. 32 ft. over NE slope.
46.35	Wash, 15 lks. wide, 6 ft. deep, course SE. Asc. 188 ft. over NE slope.
70.40	Ridge, bears NW and SE. Desc. 120 ft. over SW slope.
80.10	The cor. of secs. 11, 12, 13 and 14.
	Land, mountainous.
	Soil, rocky 4th. rate.
	Timber, paloverde, ironwood and mesquite.
	Undergrowth, greasewood, sagebrush, cacti and sahuaro.
	-----
	N. 0° 01' W., on true line, bet. secs. 11 and 12.
	Over mountainous land, through scattering timber and undergrowth. Asc. 408 ft. over SW slope.
11.15	Divide, bears NW and SE. Desc. 91 ft. over NE slope.
11.50	Foot of rocky peak, 25 ft. high, bears W. 30 lks.
15.00	Head of wash, course E. Asc. 23 ft. over SE slope.

Survey of the Subdivision Lines of T. 14 S., R. 7 W. 31

Chains

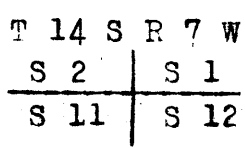
- 17.90 Spur, bears NE. Desc. 28 ft., over NE slope.
- 20.60 Spur, bears NE. Desc. 395 ft., over NE slope.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 11 and 12, with brass cap marked



1932  
No bearing trees available.

Desc. 34 ft. over NE slope.

- 44.15 Wash, 20 lks. wide, course NE. Asc. 37 ft. over SE slope.
- 49.65 Spur, bears NE. Desc. 73 ft. over NW slope.
- 60.00 Wash, 30 lks. wide, course NE. Asc. gradual SE slope.
- 69.40 Spur, bears NE. Desc. 18 ft. over NW slope.
- 72.40 Wash, 25 lks. wide, course E. Asc. 18 ft. over SE slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 1, 2, 11 and 12, with brass cap marked



1932

No bearing trees available.

Land, mountainous.  
 Soil, rocky 4th. rate.  
 Timber, paloverde, ironwood and mesquite.  
 Undergrowth, greasewood, sagebrush, cacti and sahuaro.

N. 89° 58'E., on random line, bet. secs. 1 and 12.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line, on E. bdy. of Tp., at 5 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an ironpost 2 ins. in diam., firmly set and projecting 14 ins. above ground and mound of stone, with brass cap properly marked and witnessed as described in the official record.

Thence,

West, on true line, bet. secs. 1 and 12.

Over rolling land, thru scattering timber and undergrowth.

Chains	
12.70	Wash, 30 lks. wide, course SE.
27.10	Wash, 10 lks. wide, 2 ft. deep, course NE.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 12, with brass cap marked
	$\begin{array}{c} S 1 \\ \frac{1}{4} \\ S 12 \end{array}$
	1932
	No bearing trees available.
63.70	Wash, 10 lks. wide, 2 ft. deep, course NE.
70.00	Enter wash, 10 lks. wide, course NE; continue up same.
73.60	Leave wash, from SW.
80.00	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling. Soil, rocky 3rd. and 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, sagebrush, cacti and Sahuaro.
	-----
	N. 0° 01' W., on random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the N. bdy. of Tp., 5 lks. West, of the cor. of secs. 1, 2, 35 and 36, hereinbefore described.
	Thence,
	S. 0° 01' W., on true line, bet. secs. 1 and 2.
	Over, rolling land, thru scattering timber and undergrowth.
9.50	Wash, 120 lks. wide, 4 ft. deep, course E.
11.45	Wash, 20 lks. wide, 4 ft. deep, course NE. Enter mountainous land, bears NE and SW. Asc. 120 ft. over NW slope.
25.00	Spur, bears NE. Desc. 23 ft. over SE slope.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ S 2 \quad S 1 \end{array}$
	1932
	No bearing trees available.
	Desc. gradually over SE slope. SE slope.



Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
40.60	Wash, 20 lks. wide, 2 ft. deep, course N.E. Asc. 149 ft. over N.W. slope.
53.40	Spur, bears N.E. Desc. 178 ft. over S.E. slope.
77.90	Wash, 20 lks. wide, 2 ft. deep, course E. Asc. gradual N. slope to
80.00	The cor. of secs. 1, 2, 11, and 12.
<p>Land, rolling and mountainous.            Soil, rocky 4th. rate.            Timber, paloverde, ironwood, and mesquite.            Undergrowth, greasewood, sagebrush, cacti, and sahuaro.</p>	
-----	
<p>From the cor. of secs. 2, 3, 34, and 35, on S. bdy. of Tp., hereinbefore described.</p>	
<p>N.0° 01' W., on true line, bet. secs. 34 and 35.</p>	
<p>Over rolling, hilly land, through scattering timber and undergrowth.</p>	
.50	Enter Growler wash, desc. over 4 ft. vertical wash, bears N.E. and S.W. Across sandy, stony bottom through thick arrowweed.
2.42	Intersect the SE end line (3-4) of the Treasury patented lode mining claim, M.S. 2748, at 1.74 chs. S. 76° 16' W., of cor. No. 3 thereof. Across patented mineral land.
9.76	Intersect E. side line (2-3) of the Treasury pat. lode mining claim, M.S. 2748, at 7.13 chs. N. 13° 44' W., of cor. No. 3 thereof. Leave patented land.
15.00	Main channel of Growler wash, 60 lks. wide, course S.W.
15.30	Leave wash, over 3 ft. vertical bank, bears N.E. and S.W. Across rolling bottom land.
20.50	Wash, 30 lks. wide, 2 ft. deep, course S.W. Asc. gradual S.E. slope.
25.82	Intersect S.E. end line (3-4) of the Portland pate lode mining claim, M.S. 2748, at 3.81 chs. N. 76° 16' E., of cor. No. 4 thereof, identical with Cor. No. 2 of the hereinbefore mentioned Treasury lode claim and with Cor. No. 3 of the Advance lode claim of such Min.Sur. No. 2748. Across patented mineral land.
30.00	Spur, bears E. Along rolling E. slope.
40.00	Set an iron post 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for ¼ sec. cor., with brass cap marked
<p style="text-align: center;">¼            S 34   S 35</p>	
<p style="text-align: center;">1932            No bearing trees available.</p>	
<p>Asc. 64 ft. over S.E. slope.</p>	
45.70	Spur, bears S.E. Desc. 46 ft. over N.E. slope.
49.40	Wash, 10 lks. wide, 2 ft. deep, course E.
57.45	Wash, 20 lks. wide, course S.E.
<p>Asc. 45 ft. over S.E. slope.</p>	

Chains

- 61.85 Small knoll on spur, which slopes E. Desc. 41 ft. over N. slope.
- 64.85 Wash, 15 lks. wide, course E. Asc. 74 ft. over S.E. slope.
- 68.55 Small spur, bears S.E. Asc. 29 ft. over S.E. slope.
- 74.35 Spur, bears N.E. Desc. 69 ft. over N.W. slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the cor. of secs., 26, 27, 34, and 35, with brass cap marked

T 14 S	R 7 W
S 27	S 26
S 34	S 35

1932

No bearing trees available; raise a mound of stone 3 ft. base, 2 ft. high W. of cor.

Land, rolling and mountainous.  
 Soil, rocky 4th. rate.  
 Timber, paloverde, ironwood, and mesquite.  
 Undergrowth, greasewood, arrowweed, sagebrush and cacti.

- East, on a random line, bet. secs. 26 and 35.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N. and S. line at 9 lks. S. of the cor. of secs. 25, 26, 35, and 36.
- Thence,
- S. 89° 56' W., on true line, bet. secs. 26 and 35.
- Over rolling land, through scattering timber and undergrowth.
- .70 Road, bears N.E. and S.W., from Ajo to Growler Mine.
- 21.40 Wash, 60 lks. wide, course S.W.
- 35.90 Wash, 20 lks. wide, course S.W.
- 36.60 Wire fence, bears N.W. and S.E.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$	S 26
	S 35

1932

No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, N. of cor.

- 47.00 Wash, 1 ch. wide, course S. Asc. 29 ft. over gradual N.E. slope.

Survey of the Subdivision Lines of T. 14 S., R. 7 W. 35

Chains	
49.65	Old road, bears N. and S. (1 ch. S. to Growler Mine-Ajo road).
55.65	Road, bears NW and SE, from Ajo to Growler Mine.
67.05	Old road, bears NW and SE.
70.81	Intersect the SE side line, (3-4) of the Blue Bird pat. lode mining claim, Min. Sur. No. 2748, at 5.59 chs. N. 11° 16' E., of cor. No. 4 thereof. Enter patented mining land.
77.94	Spur, bears NE. Desc. gradual NW slope.
80.00	Intersect the cor. of secs. 26, 27, 34 and 35.
	Land, rolling. Soil, rocky 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, sagebrush, cacti and sahuaro.
-----	
	N. 0° 01' W., on true line, bet. secs. 26 and 27.
	Over mountainous land, through scattering timber and undergrowth.
	Desc. 23 ft. over gradual NW slope.
4.20	Road, bears NW and SE, from Ajo to Growler Mine.
23.70	Wash, 25 lks. wide, 10 ft. deep, course SW.
38.20	Wash, 30 lks. wide, 2 ft. deep, course SW. Asc. gradual SE slope.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 26 and 27, with brass cap marked
	$\begin{array}{ccc} & \frac{1}{4} & \\ &   & \\ S\ 27 & & S\ 26 \\ & 1932 & \end{array}$
	No bearing trees available.
	Continue ascent of 104 ft. over SE slope.
47.59	Intersect the NW side line, (1-2) of the "Thrush" pat. lode mining claim, Min. Sur. No. 2748, at 13.45 chs. N. 11° 16' E., of Cor. No. 1. Leave patented land.
50.00	Wire fence, bears NW and SE.
58.30	Rocky wash, 30 lks. wide, course SE. Continue ascent of 81 ft. over SE slope.
69.25	Ridge, bears NW and SE. Asc. 22 ft. over SE slope.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a

## Chains

cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 22, 23, 26 and 27, with brass cap marked

T 14 S R 7 W	
S 22	S 23
S 27	S 26

1932

No bearing trees available.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush, cacti and sahuaro.

N. 89° 56' E., on random line, bet. secs. 23 and 26.

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

80.08 Fall 9 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence,

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

Over rolling land, through scattering timber and undergrowth.

5.90 Wash, 30 lks. wide, 1 ft. deep, course SW.

12.55 Wash, 25 lks. wide, 10 ft. deep, course SE.

37.00 Wash, 20 lks. wide, 6 ft. deep, course S.

40.04 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 23 and 26, with brass cap marked

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

1932

No bearing trees available.

Asc. 29 ft. over SE slope.

49.00 Small spur, bears S. Desc. 6 ft. over SW slope.

50.90 Wash, 10 lks. wide, course S. Asc. 52 ft. over SE slope.

56.55 Spur, bears SE. Desc. gradual SW slope.

73.15 Wash, 30 lks. wide, 10 ft. deep, course S. Asc. 94 ft. over SE slope.

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

Land, rolling.  
Soil, rocky 4th. rate.  
Timber, paloverde and mesquite.  
Undergrowth, greasewood, cacti and sahuaro.

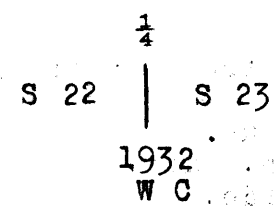
Survey of the Subdivision Lines of T. 14 S., R. 7 W. 37

Chains

N. 0° 01' W., on true line, bet. secs. 22 and 23.  
Over mountainous land, through scattering timber and undergrowth.

Desc. gradually over broken malapai surface.

- 7.20 Wash, 30 lks. wide, 10 ft. deep, course SE.
- 31.20 Spur, bears SE. Desc. 139 ft. over NE slope.
- 36.75 Small spur, bears NE. Continue descent.
- 40.00 True point for the 1/4 sec. cor. of secs. 22 and 23, falls on face of vertical cliff, 50 ft. high, bears E. and W., where it is impracticable to monument the cor., establish witness cor. as hereinafter described.
- 40.50 Spur, bears E. Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the witness cor. of the 1/4 sec. cor. of secs. 22 and 23, with brass cap marked



No bearing trees available.

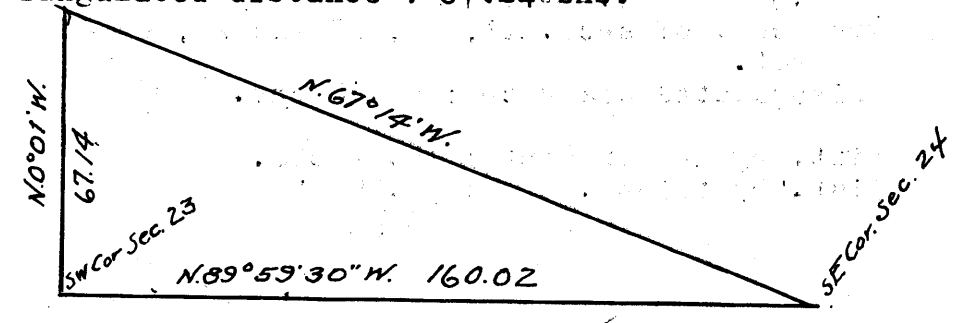
Discontinue chaining at this point, on account of precipitous slopes ahead.

Triangulate as follows:  
Set flag ahead on line.

Use as a base a direct line between the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of Tp., and the cor. of secs. 22, 23, 26 and 27, and a length of 160.02 chs.

From E. end of base, flag, bears N. 67° 14' W.  
All bearings checked by direct reading of solar and all angles checked by deflection.

Triangulated distance : 67.14 chs.



Dist. by measurement : 40.50 chs. ✓  
 Dist. by triangulation: 26.64 " ✓  
                                   67.14 " ✓

From witness 1/4 sec. cor.

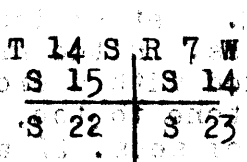
Desc. 310 ft. over broken N. slope.

- 52.00 (approximate) bottom of rocky wash, 20 lks. wide, course east. Asc. 270 ft. over SE slope to foot of cliff.
- 64.00 Foot of cliff, bears NE and SW. Asc. over vertical wall

38 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

- 200 ft. high.
- 67.00 Top of cliff, bears NB and SW. Asc. slightly over SE slope to
- 67.14 Flag point on ridge, which bears NE and SW.  
Desc. 140 ft. over NW slope.
- 75.00 Wash, 50 lks. wide, 3 ft. deep, course NW. Asc. 96 ft. over SE slope to
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 14, 15, 22 and 23, with brass cap marked



1932

No bearing trees available.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde.  
Undergrowth, sagebrush, cacti and sahuaro.

East, on random line, bet. secs. 14 and 23.

16.29 Discontinue chaining at this point, on account of precipitous slopes ahead.

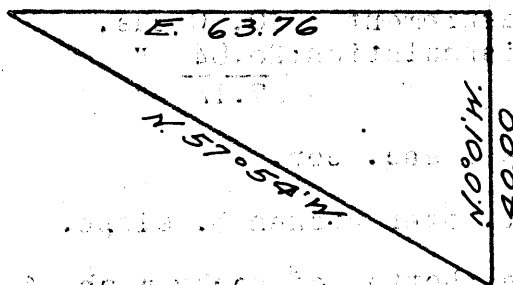
Triangulate as follows; using the N<sub>2</sub> of the line bet. secs. 23 and 24 as a base, 40.00 chs. N. 0° 01' W.  
From the 1/4 sec. cor. of secs. 23 and 24, bearing to flag at 16.29 chs. point, on line 14 and 23, is N. 57° 54' W.

From cor. of secs. 13, 14, 23 and 24, same flag, bears West.

Triangulated distance : 63.76 chs.

Dist. by measurement : 16.29 chs.

Dist. by triang. :  $\frac{63.76}{80.05}$  "



All bearings checked by direct reading of the solar and all angles checked by deflection.

True course and dist. for the line bet. secs. 14 and 23, are therefore West, 80.05 chs.

Survey of the Subdivision lines of T. 14 S., R. 7 W.

Chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.05	Intersect the cor. of secs. 13, 14, 23 and 24.
	Thence,
	West, on true line, bet. secs. 14 and 23.
	Over rolling land, through scattering timber and undergrowth.
1.00	Wash, 10 lks. wide, 6 ft. deep, course SE.
7.00	Wash, 50 lks. wide, 15 ft. deep, course SE.
14.30	Wash, 20 lks. wide, 6 ft. deep, course SE.
18.40	Wash, 1 ch. wide, course SE. Asc. 23 ft. over E. slope.
20.00	Spur, bears SE. Desc. 32 ft. over SW slope.
22.25	Wash, 50 lks. wide, course S.
24.10	Wash, 50 lks. wide, 6 ft. deep, course SE. Leave rolling, enter mountainous land; asc. 81 ft. over NE slope.
40.02	Set an iron post 3 ft. long, 1 in. in diam., on bed-rock, above cross 4 ins. long cut in bedrock, in a mound of stone, to top, for the $\frac{1}{4}$ sec. cor. of secs. 14 and 23, with brass cap marked
	$\frac{1}{4} \begin{array}{c} S 14 \\ S 23 \end{array}$
	1932
	No bearing trees available.
	Asc. 30 ft. over E. slope.
43.00	Spur, bears SE. Desc. over gradual, broken SW slope.
48.00	Rocky wash, 20 lks. wide, 10 ft. deep, course SE.
	Asc. 300 ft. over SE slope.
62.00	Foot of cliff, bears NE and SW; asc. 275 ft. over vertical wall.
63.76	Triangulation point, on Spur, bears SE, about 20 lks. W. of top of cliff. Asc. 49 ft. over E. slope.
68.73	Ridge, bears NE and SW. Desc. 40 ft. over SW slope.
73.25	Wash, 50 lks. wide, 2 ft. deep, course SW. Asc. 35 ft. over SE slope.
80.05	The cor. of secs. 14, 15, 22, and 23.
	Land, mountainous and rolling.
	Soil, rocky 4th. rate.
	Timber, paloverde, ironwood and cacti.
	Undergrowth, greasewood, sagebrush and cacti; suhuaro.

## Chains

N. 0° 01' W., on true line, bet. secs. 14 and 15.

Over mountainous land, through scattering timber and undergrowth.

Asc. 29 ft. over S. slope.

- 1.65 Spur, bears SW. Continue ascent of 232 ft. over SW slope.
- 11.50 Ridge, bears E. and W. Desc. 152 ft. over NW slope.
- 25.25 Wash, 70 lks. wide, 2 ft. deep, course NE. Asc. 9 ft. over over E. slope.
- 26.75 Small spur, bears NE. Desc. 39 ft. over N. slope.
- 30.80 Same wash, course NW. Asc. 33 ft. over SW slope.
- 32.95 Small spur, bears W. Desc. 56 ft. over N. slope.
- 34.65 Wash, 25 lks. wide, course NW. Asc. 56 ft. over SW slope.
- 36.45 Spur, bears West. Desc. 29 ft. over NW slope.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 14 and 15, with brass cap marked

$\frac{1}{4}$   
S 15 | S 14  
1932

No bearing tree available.

Asc. 135 ft. along SW slope.

- 54.80 Spur, bears NW.
- 55.30 Desc. 250 ft. over N. slope.
- 67.30 Wash, in bottom of canyon, 20 lks. wide, 4 ft. deep, course NW. Asc. 145 ft. over SW slope.
- 72.30 Rim of canyon, bears NW and SE. Desc. 23 ft. over NW slope, of spur.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 10, 11, 14, and 15, with brass cap marked

T 14 S R. 7 W.  
S 10 | S 11  
S 15 | S 14

1932

No bearing trees available.



Survey of the Subdivision Lines of T. 14 S., R. 7 W. 41

Chains

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde.  
Undergrowth, greasewood, cacti and sahuaro.

-----  
East, on an random line, bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect the cor. of secs. 11, 12, 13, and 14.

Thence,

West, on true line, bet. secs. 11 and 14.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 29 ft. over SW slope.

5.60 Spur, bears SW. Desc. 48 ft. over SW slope.

9.00 Wash, 30 lks. wide, 2 ft. deep, course SW. Asc. 23 ft. over SE slope.

13.50 Spur, bears S. Desc. 107 ft. over SW slope.

22.25 Wash, 20 lks. wide, 2 ft. deep, course SE. Asc. 83 ft. over SE slope.

29.70 Spur, bears NE. Desc. 22 ft. over NW slope.

30.85 Wash, 30 lks. wide, 2 ft. deep, course NE. Asc. 68 ft. over SE slope.

39.96 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 11 and 14, with brass cap marked

1/4 S 11  
S 14

1932

No bearing trees available.

Continue ascent of 482 ft. over SE slope.

63.90 Rim of spur, bears NE and SW. Desc. 23 ft. over NW slope, over spur top.

72.00 Head of wash, course N. Asc. 23 ft. over NE slope.

74.55 Spur, bears N. Desc. 29 ft. over NW slope.

79.92 The cor. of secs. 10, 11, 14 and 15.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, cacti and sahuaro.

42 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains													
	N. 0° 01' W., on true line, bet. secs. 10 and 11. Over mountainous land, through scattering timber and undergrowth. Desc. 97 ft. over NW slope.												
9.90	Enter level bench, bears E. and W.												
16.50	Leave bench, desc. 300 ft. over NE slope.												
40.00	Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 10 and 11, with brass cap marked												
	<table border="0"> <tr> <td style="padding: 0 10px;">S 10</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> </td> <td style="padding: 0 10px;">S 11</td> </tr> <tr> <td colspan="3" style="text-align: center;">1932</td> </tr> </table>	S 10		S 11	1932								
S 10		S 11											
1932													
	No bearing trees available. Desc. 64 ft. down NE slope.												
54.10	Wash, 50 lks. wide, course NE. Continue descent of 45 ft.												
68.35	Same wash, course NW. Asc. gradual SW slope.												
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 2, 3, 10 and 11, with brass cap marked												
	<table border="0"> <tr> <td colspan="3" style="text-align: center;">T 14 S R 7 W</td> </tr> <tr> <td style="padding: 0 10px;">S 3</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> </td> <td style="padding: 0 10px;">S 2</td> </tr> <tr> <td style="padding: 0 10px;">S 10</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> </td> <td style="padding: 0 10px;">S 11</td> </tr> <tr> <td colspan="3" style="text-align: center;">1932</td> </tr> </table>	T 14 S R 7 W			S 3		S 2	S 10		S 11	1932		
T 14 S R 7 W													
S 3		S 2											
S 10		S 11											
1932													
	Land, mountainous. Soil, rocky 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, cacti and sahuaro.												
	East, on a random line, bet. secs. 2 and 11.												
40.00	Set temp. $\frac{1}{4}$ sec. cor.												
80.04	Intersect the cor. of secs. 1, 2, 11 and 12.												
	Thence, West, on true line, bet. secs. 2 and 11. Over mountainous land, through scattering timber and undergrowth. Asc. 177 ft. over SE slope.												
31.00	Spur, bears N. and S. A saddle bears N., about 3 chs. dist.												

## Survey of the Subdivision Lines of T. 14 S., R. 7 W. 43

Chains	
	Desc. 69 ft. over NW slope.
40.02	Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, with brass cap marked
	$\frac{1}{4} \frac{S 2}{S 11}$
	1932.
	No bearing trees available.
	Asc. 46 ft. over NE slope.
47.70	Spur, bears N. Desc. 12 ft. over NW slope.
49.00	Wash, 10 lks. wide, 2 ft. deep, course NE. Asc. 56 ft. over NE slope.
63.00	Spur, bears NW. Desc. 40 ft. over NW slope.
69.00	Wash, 10 lks. wide, course N. Asc. gradual NE slope.
79.00	Spur, bears NW. Desc. gradual SW slope to
80.04	The cor. of secs. 2, 3, 10 and 11, Land, mountainous. Soil, rocky 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, cacti and sahuaro.
	-----
	N. 0° 01'E., on a random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. bdy. of the Tp., at the corner of secs. 2, 3, 34 and 35, hereinbefore described.
	Thence,
	S. 0° 01'W., on true line, bet. secs. 2 and 3.
	Over mountainous land, through scattering timber and undergrowth.
	Desc. 23 ft. over SE slope.
25.00	Wash, 60 lks. wide, 4 ft. deep, course E. Asc. gradual N. slope.
33.70	Wash, 50 lks. wide, 10 ft. deep, course NE. Desc. gradual S. slope.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, with brass cap marked

## 44 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

$\frac{1}{4}$   
 S 3 | S 2  
 1932

raise a mound  
of stone 4 ft. base, 2 ft. high W. of cor.

Desc. gradually over S. slope.

42.00 Wash, 25 lks. wide, 2 ft. deep, course NE. Asc. 86 ft. over NE slope.

68.70 Spur, bears SE. Desc. gradually over S. slope, about 60 ft.

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

Land, mountainous.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood and mesquite.

Undergrowth, greasewood, cacti and sahuaro.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of Tp., hereinbefore described.

N. 0° 02' W., on true line, bet. secs. 33 and 34.

Over rolling land, through scattering timber and undergrowth.

5.10 Wash, 10 lks. wide, course NW.

23.40 Wash, 15 lks. wide, course NW.

27.00 Wash, 20 lks. wide, course NW. Asc. 34 ft. over SW slope of hill.

36.40 W. end of hill, on spur from SE. Desc. 63 ft. over N. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34, with brass cap marked

$\frac{1}{4}$   
 S 33 | S 34  
 1932

No suitable bearing trees available.

Desc. 63 ft. over N. slope.

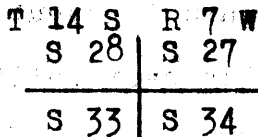
49.10 Wash, 30 lks. wide, 2 ft. deep, course W.

51.65 Road, bears NE and SW., from Growler Mine to Papago Mine. Continue on slight descent over NW slope to

Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

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



1932

No bearing trees available. Raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, rocky and sandy, 3rd. and 4th. rate.

Timber, paloverde, ironwood and mesquite.

Undergrowth, greasewood, sagebrush, cacti and sahuaro.

East, on a random line, bet. secs. 27 and 34.

40.00 Set temp. 1/4 sec. cor.

80000 Fall 9 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence,

N. 89° 56' W., on true line, bet. secs. 27 and 34.

Over rolling land, thru scattering timber and undergrowth.

Desc. gradual W. slope.

1.70 Wash, 10 lks. wide, 2 ft. deep, course N. Asc. gradual NE slope.

5.10 Road, bears NE and SW, leads SW about 3 chs. to mine shaft, on spur, which slopes NE.

11.70 Wash, 10 lks. wide, 6 ft. deep, course NW.

16.30 Wash, 20 lks. wide, 10 ft. deep, course NW.

21.30 Wash, 20 lks. wide, 6 ft. deep, course NW.

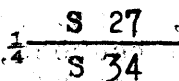
25.00 Wash, 20 lks. wide, 3 ft. deep, course NW.

26.20 Wash, 15 lks. wide, 3 ft. deep, course N.

35.30 Wash, 10 lks. wide, 3 ft. deep, course N.

38.10 Old mine shaft on line.

40:00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 27 and 34, with brass cap marked



1932

raise a mound of stone 4 ft. base, 2 ft. high, N. of cor.

Chains

No suitable bearing trees available; the buildings of the Crowler Mine, consisting of a large adobe house, and several frame structures, bears NE about 5 chs. distant. Windmill over a well (formerly a mine shaft, bears SW about 3 chs. distant.

Desc. gradually over rolling NW slope.

46.60 Road, bears NE and SW.

49.24 Intersect the NW end line (3-4) of the Palo Verde pat. lode mining claim, Min. Sur. No. 2748, at 77 lks. N. 76° 16' E., of the N.E.C. corner thereof. Leave patented mineral land.

51.80 Road, bears NE and SW.

61.50 Old road, bears NW and SE. (wood road.)

80.00 The cor. of secs. 27, 28, 33 and 34.  
 Land, rolling etc.  
 Soil, rocky 4th. rate.  
 Timber, paloverde, ironwood and mesquite.  
 Undergrowth, greasewood, cacti and sahuaro.

N. 0° 02' W., on true line, bet. secs. 27 and 28.

Over rolling land, through scattering timber and undergrowth.

15.00 Enter wash, 2 ft. deep, course SW.

7.00 Leave wash, course SW.

22.50 Wash, 20 lks. wide, course SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the 1/4 sec. cor. of secs. 27 and 28, with brass cap marked

$\frac{1}{4}$   
 S 28 | S 27  
 1932      raise a mound  
 of stone 4 ft. base, 2 ft. high W. of cor.  
 No suitable bearing trees available.

50.00 Enter wash, over 10 ft. vertical bank, course SW. Continue along same.

61.70 Leave wash, from NE; course SW.

73.30 Along east edge of wash; course SW, from N. 5° W.

79.90 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for witness cor. to the cor. of secs. 21, 22, 27 and 28, with brass cap marked

Survey of the Subdivision Lines of T. 14 S., R. 7 W. 47

Chains

T. 14 S. R. 7 W.	
S. 21	S. 22
S. 28	S. 27
W. C.	
1932	

No suitable bearing trees available.

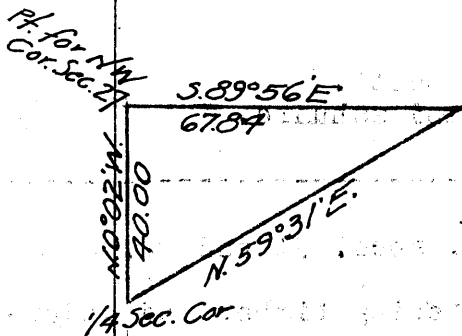
80.00 True point for the cor. of secs. 21, 22, 27 and 28, falls on south edge of wash, course SW, where it is impracticable to monument the cor., establish witness cor. as hereinbefore described.

Land, rolling.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, cacti, and sahuaro.

S. 89° 56' E., on a random line, bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

Discontinue chaining because of precipitous alopes ahead. Triangulate as follows:



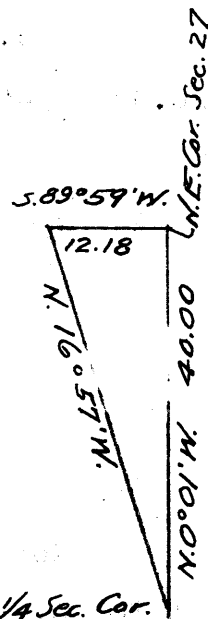
Set flag ahead on line.  
Use line bet. secs. 27 and 28 (N. 1/2) as base.  
N. 0° 02' W., 40.00 chs.  
From 1/4 sec. cor. bet. secs. 27 and 28, flag bears N. 59° 31' E.  
Vertical angle is 9 1/2° plus; to flag from this corner.  
Triang. distance is 67.84 chs.

67.84 Flag point. Chaining of the remainder of random line is impracticable; therefore make another triangulation as follows:

Use N. 1/2 of line bet. secs. 26 and 27 as base, N. 0° 01' W., 40.00 chs.  
From the 1/4 sec. cor. of secs. 26 and 27, the flagpoint at 67.84 chs., bears N. 16° 57' W., vertical angle is 8° 48', plus.

From the cor. of secs. 22, 23, 26 and 27, the flag bears S. 89° 59' W.

Triangulated dist. :	12.18	"
"	67.84	"
"	80.02	"



Thence,

N. 89° 57' W., on true line, bet. secs. 22 and 27.

Over mountainous land, through scattering timber and undergrowth.

Asc. approximately 400 ft. over broken, E. slope.

Chains

12.18 Flagpoint on broken knoll; on spur from North. Desc. approximately 350 ft. over precipitous W. slope.

40.01 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 22 and 27, with brass cap marked

1/4 sec. cor. of secs. 22 and 27, with brass cap marked  
S 22  
S 27  
1932

No suitable bearing trees available.

41.50 Wash, 25 lks. wide, 3 ft. deep, course SW. Asc. gradual SE slope; leaving mountainous, entering rolling land.

47.50 Wash, 30 lks. wide, 20 ft. deep, course SW.

65.90 Wash, 50 lks. wide, 6 ft. deep, course SW.

69.40 Wash, 50 lks. wide, 6 ft. deep, course SW.

80.02 True point for the cor. of secs. 21, 22, 27, and 28.

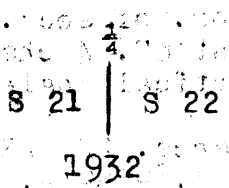
Land, mountainous and rolling.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and cacti.  
Undergrowth, greasewood, cacti and sahuaro.

N. 0° 02' W., on true line, bet. secs. 21 and 22.

Over rolling land, through scattering timber and undergrowth.

Asc. 26 ft. over gradual SW slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 21 and 22, with brass cap marked



No bearing trees available.

Continue ascent of 13 ft. over SW slope.

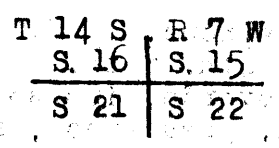
41.80 Center of wash, 1 ch. wide, 15 ft. deep, course SW. Asc. 694 ft. over broken SW slope, entering mountainous land.

74.80 Top of vertical wall, 60 ft. high, on S. edge of the Growler Mountains Divide, bears E. and W. Desc. 26 ft. over NW slope.



Survey of the Subdivision Lines of T. 14 S., R. 7 W. 49

Chains  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 15, 16, 21 and 22, with brass cap marked



1932

No suitable bearing trees available.

Land, mountainous and rolling.  
 Soil, rocky 4th. rate.  
 Timber, paloverde, ironwood and cacti.  
 Undergrowth, greasewood, cacti and other native brush.

S. 89° 57' E., on a random line, bet. secs. 15 and 22.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line, at 7 lks. S. of the corner of secs. 14, 15, 22, and 23.

Thence,

West, on true line, bet. secs. 15 and 22.

Over mountainous land, through scattering timber and undergrowth.

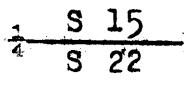
Asc. gradual SE slope.

2.50 Spur, bears S. Desc. 163 ft. over SW slope.

15.85 Wash, 26 lks. wide, 3 ft. deep, course NW. Asc. 69 ft. over NE slope.

26.00 Spur, bears NW. Desc. 105 ft. over NW slope.

40.01 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 15 and 22, with brass cap marked



1932

No bearing trees available.

44.80 Wash, 20 lks. wide, 4 ft. deep, course NW.

48.50 Wash, 10 lks. wide, 4 ft. deep, course NE. Asc. 237 ft. over E. slope.

64.00 Spur, bears NW. Across level top.

69.00 Desc. 180 ft. over SW slope.

## 50 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
74.35	Wash, 10 lks. wide, course NW. Asc. 28 ft. over NE slope.
77.50	Spur, bears NW. Desc. 56 ft. over NW slope.
80.00	The cor. of secs. 15, 16, 21, and 22.
	Land, mountainous. Soil, rocky 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, sage, cacti and sahuaro.
-----	
	N. 0° 02'W., on true line, bet. secs. 15 and 16.
	Over mountainous land, through scattering timber and undergrowth.
	Desc. 20 ft. over NW slope.
3.50	Wash, 20 lks. wide, course NW. Asc. 306 ft. over SW slope.
27.30	Spur, bears NW. Across level top.
37.30	Desc. 22 ft. over NW slope.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16, with brass cap marked
	$\frac{1}{4}$ S 16   S 15 1932
	No suitable bearing trees available.
	Continue descent of 17 ft. over NW slope.
41.60	Rim of spur, bears NW and SE. Desc. 367 ft. over N. slope.
56.00	Wash, 10 lks. wide, course NW. Asc. 34 ft. over SW slope.
60.50	Thence along W. slope.
70.50	Desc. 82 ft. over gradual NW slope.
79.70	Wash, 10 lks. wide, course NW. Asc. 4 ft. over SW slope.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 9, 10, 15 and 16, with brass cap marked

T 14 S R 7 W  
 S 9 | S 10  
 S 16 | S 15

1932

No bearing trees available.

Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sage and cacti.

-----  
East, on a random line, bet. secs. 10 and 15.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect the cor. of secs. 10, 11, 14, and 15.

Thence,

West, on true line, bet. secs. 10 and 15.

Over mountainous land, through scattering timber and undergrowth.

Desc. gradual NW slope.

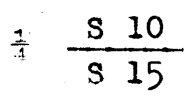
4.00 Rim of Bench, bears N. and S. Desc. 293 ft. over W. slope.

14.25 Wash, 20 lks. wide, 6 ft. deep, course N. Asc. 155 ft. over NE slope.

21.60 Spur, bears N. Desc. 197 ft. over W. slope.

31.10 Wash, 50 lks. wide, 3 ft. deep, course N. Asc. 222 ft. over NE slope.

40.01 Set an iron post 3 ft. long, 1-in. in diam., on bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 10 and 15, with brass cap marked



1932

No bearing trees available.

Asc. 39 ft. over NE slope.

41.30 Spur, bears N. Desc. 63 ft. over NW slope.

46.20 Head of wash, course N. Asc. gradual NE slope.

50.20 Spur, bears N. Desc. 237 ft. over NW slope.

62.45 Wash, 75 lks. wide, 6 ft. deep, course N. Asc. 108 ft. over E. slope.

72.40 Saddle on spur, from S. Desc. 95 ft. over SW slope.

80.02 The cor. of secs. 9, 10, 15 and 16.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sage cacti and sahuaro.

52 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

N.0° 02' W., on true line, bet. secs. 9 and 10.

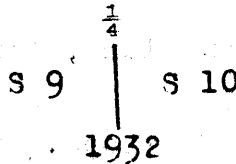
Over mountainous land, through scattering timber and undergrowth.

Desc. 75 ft. over gradual NW slope.

26.60 Wash, 10 lks. wide, 3 ft. deep, course NW.

27.35 Rocky wash, 30 lks. wide, 2 ft. deep, course NW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 10, with brass cap marked



No suitable bearing trees available.

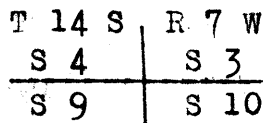
Desc. 34 ft. over NW slope.

49.80 Wash, 30 lks. wide, 3 ft. deep, course NE. Leave mountainous, enter rolling land. Across stony draw bottom.

62.60 Same wash, course NW.

71.30 Same wash, course NE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 3, 4, 9, and 10, with brass cap marked



1932

No suitable bearing trees available.

Land, mountainous and rolling.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood and mesquite.

Undergrowth, greasewood, sagebrush and cacti.

East, on a random line, bet. secs. 3 and 10.

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

80.14 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 2, 3, 10, and 11.

Thence,

S. 89° 57' W., on true line, bet. secs. 3 and 10.

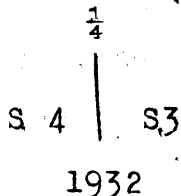
Over mountainous land, through scattering timber and undergrowth.

Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
40.00	Desc. 34 ft. over W. slope.
4.40	Wash, 40 lks. wide, 3 ft. deep, course N. Over rolling N. slopes.
15.85	Wash, 60 lks. wide, 4 ft. deep, course NE. Asc. 74 ft. over E. slope.
20.30	Spur, slopes N. Desc. 21 ft. over W. slope.
22.30	Wash, 10 lks. wide, 2 ft. deep, course N. Asc. 101 ft. over SE slope.
30.00	Spur, bears NE. Thence, on gradual descent over NW slope.
40.07	Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in amount of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10, with brass cap marked
	$\frac{1}{4} \begin{array}{c} S 3 \\ S 10 \end{array}$
	1932
	No suitable bearing trees available.
	Desc. 69 ft. over SW slope.
56.15	Wash, 50 lks. wide, 3 ft. deep, course NW.
71.35	Wash, 100 lks. wide, 6 ft. deep, course NE.
80.14	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous. Soil, rocky 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, sagebrush, cacti and sahuaro.
	N.0° 01' E., on a random line, bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. bdy. of Tp., 5 lks. W. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described.
	Thence,
	S.0° 03' W., on true line, bet. secs. 3 and 4.
	Over mountainous land, through scattering timber and undergrowth.
	Asc. 23 ft. over NW slope.
10.00	Across level top of ridge, bears NE and SW.
25.00	Desc. gradual S. slope to

## Chains

40.08 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 4, with brass cap marked



No bearing trees available.

Desc. 23 ft. over SE slope.

43.60 Wash, 20 lks. wide, 3 ft. deep, course E. Asc. 46 ft. over N. slope.

53.15 Spur, bears NE. Desc. 47 ft. over SE slope.

77.20 Wash, 10 lks. wide, 3 ft. deep, course NE.

80.08 The cor. of secs. 3, 4, 9, and 10.

Land, mountainous.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood, and mesquite.

Undergrowth, greasewood, sagebrush, cacti and sahuaro.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of Tp., hereinbefore described.

N.0° 02'W., on true line, bet. secs. 32 and 33.

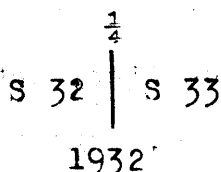
Over rolling land, through scattering timber and undergrowth.

20.60 Wash, 10 lks. wide, course W.

26.00 Wash, 15 lks. wide, course W.

34.50 Road, bears E. and W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 32 and 33, with brass cap marked



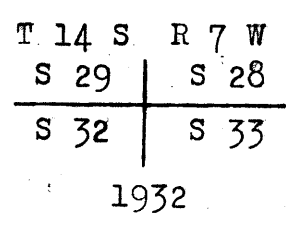
from which,  
a mesquite, 10 ins. in diam., bears N. 80° W., 132 lks. dist., marked  $\frac{1}{4}$  S 32 BT

a mesquite, 8 ins. in diam., bears N. 24° E., 81 lks. dist., marked  $\frac{1}{4}$  S 33 BT

Survey of the Subdivision Lines of T. 14 S., R. 7 W. 55

Chains

- 47.30 Wash, 10 lks. wide, 2 ft. deep, course S.W.
- 61.60 Wash, 30 lks. wide, 2 ft. deep, course S.W.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the cor. of secs. 28, 29, 32, and 33, with brass cap marked

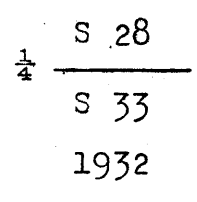


No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.  
 Soil, rocky 4th. rate.  
 Timber, paloverde, ironwood, and mesquite.  
 Undergrowth, greasewood, sagebrush, and cacti.

East, on a random line, bet. secs. 28 and 33.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Fall 16 lks. S. of the cor. of secs. 27, 28, 33, and 34.  
Thence,  
S. 89° 53' W., on true line, bet. secs. 28 and 33.  
Over rolling land, through scattering timber and undergrowth.
- 0.70 Wash, 30 lks. wide, course S.W.
- 10.50 Wash, 40 lks. wide, course S.W.
- 19.40 Wash, 30 lks. wide, course S.W.
- 40.05 Set an iron post 3 ft. long, 1 in. diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor., with brass cap marked



No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, N. of cor.

- 60.00 Wash, 25 lks. wide, course S.W.
- 80.10 The cor. of secs. 28, 29, 32, and 33.

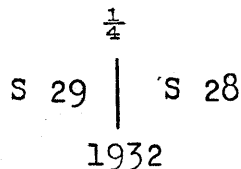
Land, rolling.  
 Soil, sandy loam, 3rd. rate.  
 Timber, paloverde, ironwood, and mesquite.  
 Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

Chains.

N. 0° 02' W., on true line, bet. secs. 28 and 29.

Over rolling land, through scattering timber and undergrowth.

- 2.00 Wash, 20 lks. wide, 6 ft. deep, course S.W.
- 11.10 Wash, 25 lks. wide, 2 ft. deep, course S.W.
- 17.00 Wash, 20 lks. wide, 3 ft. deep, course S.W.
- 38.30 Wash, 15 lks. wide, 2 ft. deep, course S.W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 28 and 29, with brass cap marked

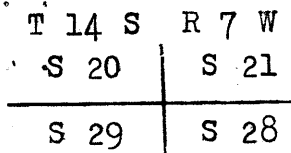


from which,

A palo verde, 10 ins. in diam., bears S. 43° W., 230 lks. dist., marked  $\frac{1}{4}$  S 29 B T

A mesquite, 14 ins. in diam., bears S. 84° E., 130 lks. dist., marked  $\frac{1}{4}$  S 28 B T

- 47.00 Wash, 30 lks. wide, 3 ft. deep, course S.W.
- 50.00 Wash, 50 lks. wide, 2 ft. deep, course S.W.
- 61.70 Wash, 30 lks. wide, 1 ft. deep, course S.W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 22 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top for the cor. of secs. 20, 21, 28, and 29, with brass cap marked



1932

from which,

A palo verde, 8 ins. in diam., bears N. 68° E., 213 lks. dist., marked T 14 S R 7 W S 21 B T

A palo verde, 10 ins. in diam., bears S. 70° E., 150 lks. dist., marked T 14 S R 7 W S 28 B T

No other bearing trees available.

Land, rolling.  
Soil, sandy, stony loam, 3rd. rate.  
Timber, paloverde, ironwood, and mesquite.  
Undergrowth, greasewood, sagebrush, cacti and sahuaro.

N. 89° 53' E., on random line, bet. secs. 21 and 28.

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



Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

79.90 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 21, 22, 27, and 28.

Thence,

S. 89° 55' W., on true line, bet. secs. 21 and 28.

Over rolling land, through scattering timber and undergrowth.

.20 Center of wash, 30 lks. wide, 1 ft. deep, course S.

14.00 Wash, 15 lks. wide, 10 ft. deep, course SW.

16.60 Wash, 25 lks. wide, 6 ft. deep, course S.

36.80 Wash, 25 lks. wide, 10 ft. deep, course S.

39.95 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 21 and 28, with brass cap marked

1/4 S 21 / S 28

1932

No suitable bearing trees available.

46.60 Wash, 1 ch. wide, 10 ft. deep, course SW.

51.30 Wash, 20 lks. wide, 2 ft. deep, course S.

62.10 Wash, 25 lks. wide, 12 ft. deep, course S.

79.90 The cor. of secs. 20, 21, 28, and 29.

Land, rolling.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood, and mesquite.

Undergrowth, greasewood, sagebrush, cacti and sahuaro.

N.0° 02' W., on true line, bet. secs. 20 and 21.

Over rolling land, through scattering timber and undergrowth.

8.30 Wash, 25 lks. wide, 3 ft. deep, course SW.

25.60 Wash, 50 lks. wide, 3 ft. deep, course SW. Asc. 114 ft. over SE slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 22 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 20 and 21, with brass cap marked

58 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

S 20 | S 21

1932

No bearing trees available.

Asc. 104 ft. over SE slope.

- 43.40 Top of cliff, 30 ft. high, bears NE and SW.
- 53.40 Spur, bears SW. Desc. 14 ft. over NW slope.
- 59.95 Wash, 25 lks. wide, 2 ft. deep, course SW. Asc. 155 ft. over SE slope.
- 71.15 Spur, bears SW. Asc. 38 ft. along W. slope.
- 74.40 Spur, bears W. Desc. 22 ft. over NW slope.
- 76.80 Wash, 10 lks. wide, 2 ft. deep, course SW. Asc. 56 ft. over SW slope.
- 79.40 Spur, bears W. Desc. 10 ft. over NW slope.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 14 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 16, 17, 20, and 21 with a brass cap marked

T 14 S R 7 W  
S 17 | S 16  
S 20 | S 21

1932

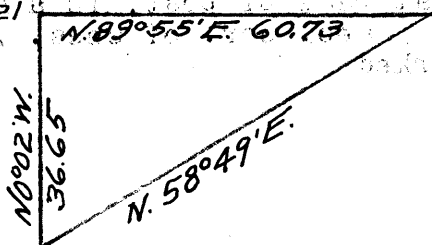
No bearing trees available.

Land, rolling and mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood and mesquite.  
Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

N. 89° 55' E., on a random line, bet. secs. 16 and 21.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor. Discontinue chaining because of precipitous slopes ahead. Triangulate as follows:  
Set flag ahead, on line. Use as base, a point on the  $\frac{1}{2}$  of line, bet. secs. 20 and 21 at 36.65 chs., S. 0° 02' E., of cor. of secs. 16, 17, 20 and 21.  
Vertical angle from this latter cor. to flag ahead is plus 10°.  
From S. end of base, flag bears N. 58° 49' E.,  
Triang. dist. = 60.73 chs.

NW cor Sec 21



Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
60.73	Flag point; continue measurement by chaining.
80.04	Random line extended east intersects N. and S. line, 7 lks. N. of the cor. of secs. 15, 16, 21 and 22.
	Thence,
	S. 89° 58' W., on true line, bet. secs. 16 and 21.
	Over mountainous land, through scattering timber and undergrowth.
	Desc. 11 ft. over NW slope.
1.20	Wash, 10 lks. wide, course N. Asc. 153 ft. over NE slope.
8.30	Spur, slopes N. Desc. 113 ft. over NW slope.
13.00	Head of wash, course N. Asc. 158 ft. over NE slope.
19.31	Flag point on the Growler Divide, which bears NW and SE.
	Desc. approximately 600 ft. over broken cliffs to the $\frac{1}{4}$ sec. cor.
40.02	Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21, with brass cap marked
	$\frac{1}{4} \begin{array}{c} \text{S 16} \\ \text{S 21} \end{array}$
	1932
	No bearing trees available.
	Desc. 107 ft. over SW slope.
46.55	Rocky wash, 50 lks. wide, 2 ft. deep, course SW. Asc. 122 ft. over SE slope.
53.80	Spur, bears S. Desc. 122 ft. over SW slope.
56.30	Wash, 50 lks. wide, 3 ft. deep, course S. Asc. 174 ft. over SE slope.
64.30	Spur, bears S. Desc. 96 ft. over SW slope.
69.00	Wash, 50 lks. wide, 4 ft. deep, course SW. Asc. 30 ft. over SE slope.
75.60	Spur, bears W. Desc. 94 ft. over NW slope.
80.04	The cor. of secs. 15, 16, 21 and 22.
	Land, mountainous. Soil, rocky 4th. rate. Timber, paloverde, ironwood and mesquite. Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

## 60 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

## Chains

N.0° 02'W., on true line, bet. secs. 16 and 17.

Over mountainous land, through scattering timber and undergrowth.

Desc. 9 ft. over NW slope.

1.50 Wash, 10 lks. wide, course W. Asc. 51 ft. over S. slope.

4.45 Spur, bears W. Desc. 152 ft. over NW slope.

6.60 Wash, 10 lks. wide, course W. Asc. 81 ft. over SW slope.

22.20 Desc. 23 ft. over NW slope.

26.20 Wash, 50 lks. wide, 4 ft. deep, course SW. Asc. 362 ft. over S. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 17, with brass cap marked

$\frac{1}{4}$   
S 17 | S 16

1932

from which,  
a paloverde, 6 ins. in diam., bears N. 54° E., 18 lks. dist., marked  $\frac{1}{4}$  S 16 BT  
No other bearing tree available.

40.20 Foot of cliff, bears NE and SW. Asc. 150 ft. over vertical wall.

41.50 Top of cliff, bears NE and SW. Asc. gradual S. slope.

42.50 Divide, bears NE and SW. Desc. 263 ft. over NE slope.

53.65 Wash, 25 lks. wide, 5 ft. deep, course E. Asc. 301 ft. over S. slope.

67.00 Spur, bears NE. Desc. 288 ft. over NW slope.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 8, 9, 16, and 17, with brass cap marked

T 14 S. R 7 W

S 8 | S 9  
S 17 | S 16

1932

No bearing trees available.

Land, mountainous.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood, and mesquite.

Undergrowth, greasewood, sagebrush, cacti and sahuaro.

Survey of the Subdivision Lines of T. 14 S. R. 7 W. 61

Chains

N. 89° 58' E. on a random line, bet. secs. 9 and 16.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence,

West. on true line, bet. secs. 9 and 16.

Over mountainous land, through scattering timber and undergrowth.

Desc. gradual SW slope.

1.20 Wash, 10 lks. wide, 6 ft. deep, course NW. Continue desc. of 29 ft. over NW slope.

9.60 Wash, 50 lks. wide, 4 ft. deep, course N. Asc. 290 ft. over E. slope.

25.10 Spur, bears NE. Desc. 238 ft. over NW slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the 1/4 sec. cor. of secs. 9 and 16, with brass cap marked.

1/4 S 9  
S 16

1932

No bearing trees available.

Desc. 37 ft. over NW slope.

43.35 Wash, 15 lks. wide, 5 ft. deep, course N. Across level canyon bottom.

45.50 Lv. level; asc. 283 ft. over NE slope.

54.25 Spur, bears NE. Along level N. slope.

63.20 Spur, bears N. Desc. 53 ft. over NW slope.

67.35 Wash, 10 lks. wide, 2 ft. deep, course N. Asc. 50 ft. over E. slope.

71.25 Spur, bears N. Desc. 144 ft. over NW slope.

80.00 The corner of secs. 8, 9, 16, and 17.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood, mesquite.  
Undergrowth, greasewood, sagebrush, cacti and sahuaro.

62 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

N.0° 02' W., on true line, bet. secs. 8 and 9.

Over rolling land, through scattering timber and undergrowth.  
Desc. 58 ft. over NW slope.

2.90 Wash, 60 lks. wide, course NE. Asc. 68 ft. over SE slope.

11.45 Spur, bears NE. Desc. 102 ft. over NE slope.

18.70 Wash, 60 lks. wide, course E. Asc. 298 ft. over S. slope.

35.35 Spur, bears NE. Desc. 80 ft. over N. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., over six inch crosscut in bedrock, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 8 and 9, with brass cap marked

$\frac{1}{4}$

Secs. 8 | S 9

1932

No suitable bearing trees available.

Desc. 145 ft. over N. slope.

49.50 Wash, 30 lks. wide, course NE. Asc. 208 ft. over SE slope.

53.90 Spur, bears E. Desc. 268 ft. over NW slope.

57.30 Spur, bears NE. Continue descent.

67.75 Wash, 50 lks. wide, 6 ft. deep, course NE. Over stonyt. draw bottom.

71.45 Wash, 50 lks. wide, course NE. Asc. 194 ft. over SE slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, to bedrock, alongside six inch cross cut in bedrock, in a mound of stone to top, for the cor. of secs. 4, 5, 8, and 9, with brass cap marked

T 14 S R 7 W

S 5	S 4
S 8	S 9

1932

No suitable bearing trees available.

Land, mountainous.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood, and mesquite.

Undergrowth, greasewood, sage brush, cacti and sahuaro.

East, on a random line, bet. secs. 4 and 9.

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

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

Survey of the Subdivision Lines of T. 14 S., R. 7 W. 63

Chains

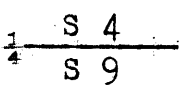
Thence,  
N. 89° 56' W., on true line, bet. secs. 4 and 9.  
Over mountainous land, through scattering timber and undergrowth.

Desc. gradual NW slope.

3.10 Wash, 50 lks. wide; 3 ft. deep, course NE; continue on gradual ascent up same.

13.50 Leave wash, turns to SW. Asc. 92 ft. over rolling SE slope.

39.98 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground, to bedrock, alongside a six-inch cross cut in bedrock, in a mound of stone to top, for the 1/4 sec. cor. of secs. 4 and 9, with brass cap marked



1932

No suitable bearing trees available.

Asc. 178 ft. over SE slope.

54.75 Same spur, from west slopes NE. Asc. 67 ft. along top of spur.

70.00 Leave spur; desc. 35 ft. over SW slope.

79.96 The cor. of secs. 4, 5, 8, and 9.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood, and mesquite.  
Undergrowth, greasewood, sage brush, cacti and sahuaro.

N. 0° 03' E., on a random line, bet. secs. 4 and 5.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect the N. bdy. of Tp., 2 lks. east of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.

Thence,

S. 0° 02' W., on true line, bet. secs. 4 and 5.

Over mountainous land, through scattering timber and undergrowth.

Desc. 60 ft. over SE slope.

4.25 Wash, 50 lks. wide, 3 ft. deep, course E. Asc. 73 ft. over NE slope.

8.10 Spur, bears E. Desc. 64 ft. over S. slope.

11.95 Wash, 1 ch. wide, 5 ft. deep, course NE. Asc. 237 ft. over NE slope.

## 64 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

26.77 Spur, bears E. Desc. 81 ft. over SE slope,

31.45 Wash, 25 lks. wide, 2 ft. deep, course E. Asc. 106 ft. over NE slope.

38.45 Spur, bears E. Desc. 48 ft. over S. slope.

40.06 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 4 and 5, with brass cap marked

1932

No suitable bearing trees available.

Desc. 69 ft. over S. slope.

42.75 Wash, 25 lks. wide, 3 ft. deep, course E. Asc. 97 ft. over NE slope.

50.15 Spur, bears E. Desc. 90 ft. over S. slope.

54.70 Rocky wash, 50 lks. wide, 5 ft. deep, course E. Asc. 107 ft. over NE slope.

60.90 Spur, bears E. Desc. 62 ft. over SE slope.

63.85 Wash, 20 lks. wide, 3 ft. deep, course E. Asc. 62 ft. over NE slope.

65.60 Spur, bears E. Desc. 87 ft. over SE slope.

73.50 Wash, 30 lks. wide, 2 ft. deep, course NE. Asc. 69 ft. over NW slope.

80.06 The cor. of secs. 4, 5, 8, and 9.

Land, mountainous.

Soil, rocky 4th. rate.

Timber, paloverde, ironwood and mesquite.

Undergrowth, greasewood, sagebrush, aacti and sahuaro.

From the cor. of secs. 5, 6, 31, and 32, on S. bdy. of Tp., as hereinbefore described.

N.  $0^{\circ} 03'$  W., on true line, bet. secs. 31 and 32.

Over rolling land, through scattering timber and undergrowth.

8.00 Road, bears NE and SW., from Growler Mine to Papago mine.

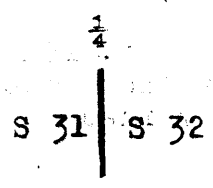
22.00 Road, bears NW and SE., from Growler Mine to lower Growler Valley.



Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 32, with brass cap marked



1932 from which,

a paloverde, 8 ins. in diam., bears N.0° 15' W., 307 lks. dist., marked  $\frac{1}{4}$  S 31 B T

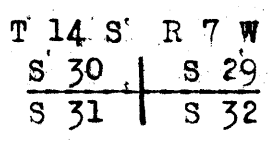
a mesquite, 6 ins. in diam., bears N. 72° E., 206 lks. dist., marked  $\frac{1}{4}$  S 32 B T

47.60 Wash, 50 lks. wide, 3 ft. deep, course NW.

Across level draw bottom; drains SW.

72.10 Wash, 10 lks. wide, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 29, 30, 31 and 32, with brass cap marked



1932 from which,

an ironwood, 7 ins. in diam., bears N. 5° E., 86 lks. dist., marked T 14 S R 7 W S 29 BT

a mesquite, 10 ins. in diam., bears S. 62 $\frac{1}{2}$ ° E., 208 lks., dist., marked T 14 S R 7 W S 32 BT

an ironwood, 12 ins. in diam., bears S. 25° W., 437 lks. dist., marked T 14 S R 7 W S 31 BT

No other bearing tree available; raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

Land, rolling and level.  
Soil, sandy loam, 2nd. and 3rd. rate.  
Timber, paloverde, ironwood, and mesquite.  
Undergrowth, greasewood, sage brush, cacti and sahuaro.

East, on a random line, bet. secs. 29 and 32.

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

80.04 Intersect N. and S. line, 12 lks. N. of the cor. of secs. 28, 29, 32, and 33.

Thence,

N. 89° 55' W., on true line, bet. secs. 29 and 32.

Over rolling land, through scattering timber and undergrowth.

## Chains

- 2.10 Wash, 20 lks. wide, 6 ft. deep, course SW.  
 10.50 Wash, 20 lks. wide, 4 ft. deep, course SW.  
 30.00 Wash, 20 lks. wide, 3 ft. deep, course SW.  
 40.02 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 32, with brass cap marked

$$\frac{1}{4} \frac{S 29}{S 32}$$

1932 from which,

an ironwood, 12 ins. in diam., bears N.  $71\frac{1}{2}^{\circ}$  W., 803 lks. dist., marked  $\frac{1}{4}$  S 29 BT

an ironwood, 8 ins. in diam., bears S.  $10^{\circ}$  W., 73 lks. dist., marked  $\frac{1}{4}$  S 32 BT

- 49.60 Wash, 30 lks. wide, 3 ft. deep, course SW.  
 77.00 Wash, 25 lks. wide, 2 ft. deep, course SW.  
 80.04 The cor. of secs. 29, 30, 31, and 32.

Land, rolling.  
 Soil, sandy, stony loam, 2nd. and 3rd. rate.  
 Timber, paloverde, ironwood, mesquite.  
 Undergrowth, greasewood, sage brush, cacti and sahuaro.

West, on a random line, bet. secs. 30 and 31.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.48 Intersect the W. bdy. of Tp., 9 lks. S. of the cor. of secs. 25, 30, 31, and 36, hereinbefore described.

Thence,

S.  $89^{\circ} 56' E.$ , on a true line, bet. secs. 30 and 31.

Over rolling land, through scattering timber and undergrowth.

- 38.70 Wash, 50 lks. wide, 5 ft. deep, course NW.  
 39.48 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 30 and 31, with brass cap marked

$$\frac{1}{4} \frac{S 30}{S 31}$$

1932 from which,

a mesquite, 8 ins. in diam., bears N.  $45^{\circ}$  W., 3 lks. dist., marked  $\frac{1}{4}$  S 30 BT

No other bearing tree available; raise a mound of stone 4 ft. base, 2 ft. high N. of cor.

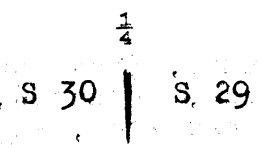
Survey of the Subdivision Lines of T. 14 S., R. 7 W. 67.

Chains

40.40 Wash, 25 lks. wide, 4 ft. deep, course NW.  
 79.48 The cor. of secs. 29, 30, 31, and 32.  
 Land, rolling desert.  
 Soil, sandy loam, 2nd. and 3rd. rate.  
 Timber, paloverde, ironwood, and mesquite.  
 Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

N.0° 03' W., on true line, bet. secs. 29 and 30.  
 Over rolling land, through scattering timber and undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 22 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 29 and 30, with brass cap marked

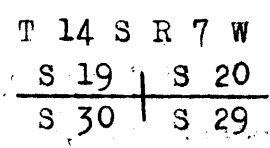


1932  
 No bearing trees available.

56.50 Wash, 25 lks. wide, 2 ft. deep, course SW.

75.00 Wash, 25 lks. wide, 10 ft. deep, course SW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for the cor. of secs. 19, 20, 29, and 30, with brass cap marked



1932  
 No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

Land, rolling desert.  
 Soil, sandy, loam 2nd. and 3rd. rate.  
 Timber, paloverde, ironwood, and mesquite.  
 Undergrowth, greasewood, sage brush, cacti, and sahuaro.

S.89° 55' E., on a random line, bet. secs. 20 and 29.

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

80.04 Intersect N. and S. line, at 12 lks. S. of the cor. of secs. 20, 21, 28, and 29.

Thence,  
 West, on true line, bet. secs. 20 and 29.

## 68 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

## Chains

- 12.60 Wash, 1 ch. wide, 4 ft. deep, course SW.  
 20.00 Wash, 1 ch. wide, 2 ft. deep, course SW.  
 40.02 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 20 and 29, with brass cap marked

$$\frac{1}{4} \begin{array}{l} S 20 \\ S 29 \end{array}$$

1932

- No bearing trees available; raise a mound of stone 4 ft. base, 2 ft. high, N. of cor.  
 48.70 Wash, 30 lks. wide, 6 ft. deep, course S.  
 65.80 Wash, 20 lks. wide, 3 ft. deep, course S.  
 75.00 Wash, 20 lks. wide, 10 ft. deep, course S.  
 80.04 The cor. of secs. 19, 20, 29, and 30.

Land, rolling.  
 Soil, stony, sandy, 3rd. and 4th. rate.  
 Timber, paloverde, ironwood, and mesquite.  
 Undergrowth, greasewood, sagebrush, cacti and sahuaro.

- N. 89° 56' W., on a random line, bet. secs. 19 and 30:  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.44 Intersect W. bdy. of the Tp., at the cor. of secs. 19, 24, 25, and 30, hereinbefore described.

Thence,

- S. 89° 56' E., on true line, bet. secs. 19 and 30.  
 Over rolling desert land, through scattering timber and undergrowth.  
 20.84 Wash, 50 lks. wide, 10 ft. deep, course SW.  
 39.44 Set an iron post 3 ft. long, 1 in. in diam., 22 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 19 and 30, with brass cap marked

$$\frac{1}{4} \begin{array}{l} S 19 \\ S 30 \end{array}$$

1932

- No suitable bearing trees available.  
 40.45 Wash, 20 lks. wide, 3 ft. deep, course SW; asc. up same.  
 43.85 Leave wash, which courses from NE.

Survey of the Subdivision Lines of T. 14 S., R. 7 W. 69

Chains

61.75 Wash, 50 lks. wide, 6 ft. deep, course SW.

75.35 Wash, 30 lks. wide, 6 ft. deep, course SW.

79.44. The cor. of secs. 19, 20, 29, and 30.

Land, rolling.  
Soil, sandy, stony 3rd. and 4th. rate.  
Timber, paloverde, ironwood, and mesquite.  
Undergrowth, greasewood, cacti, sage brush and sahuaro.

N. 0° 03' W., on true line, bet. secs. 19 and 20.

Over rolling land, through scattering timber and undergrowth.

Asc. gradual SW slope.

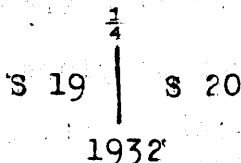
10.00 Wash, 20 lks. wide, 6 ft. deep, course SW.

15.50 Wash, 20 lks. wide, 6 ft. deep, course SW.

20.50 Wash, 25 lks. wide, 10 ft. deep, course SW.

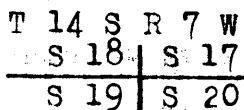
26.00 Wash, 30 lks. wide, 10 ft. deep, course SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for the  $\frac{1}{4}$  sec. cor. of secs. 19 and 20, with brass cap marked



58.00 Wash, 50 lks. wide, 10 ft. deep, course SW. Leave rolling, enter mountainous land; asc. 109 ft. over SW slope.

80.00 Spur, slopes W. Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 17, 18, 19, and 20, with brass cap marked



1932

No suitable bearing trees available.

Land, rolling, and mountainous.  
Soil, rocky 4th. rate.  
Timber, paloverde, ironwood, mesquite, and sahuaro.  
Undergrowth, greasewood, sage, and sahuaro.

East, on a random line, bet. secs. 17 and 20.

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

70

Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
80.12	Intersect N. and S. line, at 7 lks. N. of the cor. of secs. 16, 17, 20, and 21. Thence, N. 89° 57' W., on true line, bet. secs. 17 and 20. Over mountainous land, through scattering timber and undergrowth. Desc. 235 ft. over W. slope.
20.15	Rocky wash, 1 ch. wide, 10 ft. deep, course SW. Asc. 38 ft. over SE slope.
22.60	Spur, slopes S. Desc, 129 ft. over SW slope.
27.50	Wash, 20 lks. wide, 4 ft. deep, course S. Asc. 102 ft. over SE slope.
35.85	Spur, bears S. Desc. 105 ft. over SW slope.
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 17 and 20, with brass cap marked
	$\frac{1}{4} \begin{array}{r} S 17 \\ S 20 \end{array}$ 1932
	No suitable bearing trees available. Desc. 23 ft. over SW slope.
45.10	Wash, 50 lks. wide, 6 ft. deep, course SW. Asc. 20 ft. over SE slope.
47.10	Desc. 49 ft. over SW slope.
51.10	Wash, 30 lks. wide, 2 ft. deep, course SW. Asc. 23 ft. over SE slope.
57.10	Spur, bears SW. Desc. 130 ft. over SW slope.
68.10	Rocky wash, 30 lks. wide, 3 ft. deep, course SW. Asc. 85 ft. over SE slope.
73.20	Thence along S. edge of spur, from NE to W.
80.12	The cor. of secs. 17, 18, 19, and 20. Land, mountainous. Soil, rocky 4th. rate. Timber, paloverde, ironwood, and mesquite. Undergrowth, greasewood, sagebrush, cacti, and sahuaro.
	N. 89° 56' W., on a random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
79.28	Intersect the W. bdy. of Tp., at 9 lks. N. of the cor. of secs. 13, 18, 19, and 24, hereinbefore described.
	Thence,
	East, on true line, bet. secs. 18 and 19.
	Over mountainous land, through scattering timber and undergrowth.
	Asc. gradually up south side of rocky wash.
2.70	Wash, 10 lks. wide, 3 ft. deep, course W., from SE. Asc. 69 ft. over W. slope.
24.30	Spur, bears NW. Desc. gradual NE slope.
38.08	Wash, 20 lks. wide, 6 ft. deep, course N. Asc. 10 ft. over W. slope.
39.00	Desc. gradual NE slope.
39.28	Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 18 and 19, with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 18 \\ \hline S 19 \end{array}$
	1932
	No suitable bearing trees available.
	Desc. 17 ft. over NE slope.
42.20	Wash, 30 lks. wide, 6 ft. deep, course NW. Thence across rolling S. slope.
65.20	Wash, 30 lks. wide, 6 ft. deep, course SW. Continue up same.
67.20	Leave wash, from NE. Asc. 148 ft. over NW slope.
79.28	The cor. of secs. 17, 18, 19, and 20.
	Land, mountainous.
	Soil, rocky 4th. rate.
	Timber, paloverde, ironwood, and mesquite.
	Undergrowth, greasewood, sagebrush, and cacti. and Sahuaro.
	N. 0° 03' W., on true line, bet. secs. 17 and 18.
	Over mountainous land, through scattering timber and undergrowth.
	Desc. 85 ft. over NW slope.
6.00	Wash, 25 lks. wide, 3 ft. deep, course SW. Asc. 94 ft. over SW slope.
18.05	Desc. 10 ft. over NW slope.

## 72 Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains	
18.50	Rocky wash, 50 lks. wide, 6 ft. deep, course SW. Asc. 147 ft. over SW slope.
32.90	Desc. gradually over NW slope.
35.50	Wash, 50 lks. wide, 10 ft. deep, course SW. Asc. 123 ft. over SE slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 17 and 18, with brass cap marked
	$\frac{1}{4}$ S 18   S 17 1932
	No bearing trees available.
	Asc. 32 ft. over SE slope, over malapai rocks.
41.95	Spur, bears SW. Desc. gradual NW slope.
45.25	Wash, 1 ch. wide, 2 ft. deep, course SW. Asc. 63 ft. over SW slope.
51.50	Wash, 50 lks. wide, 10 ft. deep, course SW. Continue ascent of 567 ft. over SW slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the cor. of secs. 7, 8, 17 and 18, with brass cap marked
	T 14 S R 7 W S 7   S 8 S 18   S 17 1932
	No bearing trees available.
	Land, mountainous.
	Soil, rocky 4th. rate.
	Timber, paloverde, ironwood, and mesquite.
	Undergrowth, greasewood, sagebrush, cacti, and sahuaro.
	Being impractical to run random line east because of precipitous slopes ahead, begin at cor. of secs. 8, 9, 16, and 17.
	N. 89° 57' W. on a random line, bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
71.70	Discontinue chaining because of vertical cliffs.



Survey of the Subdivision Lines of T. 14 S., R. 7 W. 73

Chains							
	<p>Traverse as follows:</p> <p>North, 1.62 chs.  N. 25° W., 14.66 chs.  N. 31° 25' W., 4.02 chs. to a point 18.40 chs. N.0° 03' W.,  of the cor. of secs. 7, 8, 17, and 18. The random  line extended would therefore at</p>						
79.98	<p>Intersect N. and S. line at 7 lks. N. of the cor. of secs.  7, 8, 17, and 18.</p> <p>Return to the cor. of secs. 8, 9, 16, and 17.</p> <p>Thence,</p> <p>West, on true line, bet. secs. 8 and 17.</p> <p>Over mountainous land, through scattering undergrowth.</p> <p>Desc. 29 ft. over N.W. slope.</p>						
7.20	<p>Wash, 60 lks. wide, 6 ft. deep, course N.E. Asc. 370 ft.  over S.E. slope.</p>						
22.40	<p>Rim, 10 ft. high on S.E. edge of spur, slopes N.E. Asc.  146 ft. up spur.</p>						
39.50	<p>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, in a mound of stone to top,  for the witness cor. to the <math>\frac{1}{4}</math> sec. cor., with brass  cap marked</p> <div style="text-align: center;"> <table border="0"> <tr> <td>W C</td> <td><math>\frac{1}{4}</math></td> <td><math>\frac{S 8}{S 17}</math></td> </tr> <tr> <td colspan="3">1932</td> </tr> </table> </div>	W C	$\frac{1}{4}$	$\frac{S 8}{S 17}$	1932		
W C	$\frac{1}{4}$	$\frac{S 8}{S 17}$					
1932							
39.80	<p>N.W. edge of rim, bears N.E. and S.W. Desc. 35 ft. over  broken N.W. slope.</p>						
39.99	<p>True point for the <math>\frac{1}{4}</math> sec. cor. falls on slide rock, where  it is unsuitable to monument the corner.</p>						
45.00	<p>Rim of spur, slopes S.E. Asc. 204 ft. over N.E. slope.</p>						
71.70	<p>Growler Mountains Divide, bears N.W. and S.E., top about  50 lks. wide.</p>						
71.90	<p>Desc. 340 ft. over cliffs to cor.</p>						
76.00	<p>Foot of cliffs, bear N.W. and S.E. Desc. over slide rock  to</p>						
79.98	<p>The cor. of secs. 7, 8, 17, and 18.</p> <p>Land, mountainous.  Soil, rocky 4th. rate.  Timber, none.  Undergrowth, sagebrush, cacti, and sahuaro.</p> <hr style="border-top: 1px dashed black;"/> <p>West, on a random line, bet. secs. 7 and 18.</p>						
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p>						
79.24	<p>Intersect the W. bdy. of Tp., at 12 lks. S. of the cor.  of secs. 7, 12, 13, and 18, hereinbefore described.</p>						

## Chains

Thence,

S. 89° 55' E., on true line, bet. secs. 7 and 18.

Over mountainous land, through scattering undergrowth.

Asc. 104 ft. over rocky S.W. slope.

4.30 Wash, 40 lks. wide, 6 ft. deep, course S.W.

22.00 Wash, 50 lks. wide, 10 ft. deep, course S.W. Asc. 98 ft. up same.

34.80 Leave wash, from N.E. Asc. 91 ft. over N.W. slope.

39.24 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, in a mound of stone to top, for the  $\frac{1}{4}$  sec. cor. of secs. 7 and 18, with brass cap marked

$$\frac{1}{4} \frac{S\ 7}{S\ 18}$$

1932

Asc. 45 ft. over N.W. slope.

42.10 Small spur, bears S.W. Desc. 21 ft. over S.E. slope.

45.70 Wash, 50 lks. wide, 4 ft. deep, course S.W. Asc. 433 ft. over S.W. slope.

68.90 Shallow wash, 30 lks. wide, course S.W. Asc. 358 ft. over N.W. slope.

79.24 The cor. of secs. 7, 8, 17, and 18.

Land, mountainous.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, sagebrush, greasewood, cacti, and sahuaro.

N.0° 03' W., on true line, bet. secs. 7 and 8.

Over mountainous land, through scattering undergrowth.

Distance over cliffs determined by traverse as hereinbefore described.

18.40 Traverse point, 391 ft. above sec. cor., on Growler Mts. divide, which bears N.W. and S.E. Desc. 66 ft. over rolling N.E. slope.

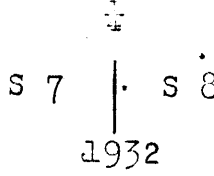
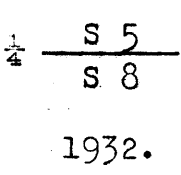
30.10 Wash, 15 lks. wide, 6 ft. deep, course E. Asc. 71 ft. over S.E. slope.

33.00 Spur, bears E. Desc. 91 ft. over N.E. slope.

37.80 Wash, 20 lks. wide, 5 ft. deep, course E. Asc. 40 ft. over S.E. slope.

40.00 Set an iron post 3 ft. long, 1 in. diam., 10 ins. in

Survey of the Subdivision Lines of T.14 S., R. 7 W. 75

Chains	
	<p>the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the <math>\frac{1}{4}</math> sec. cor., with brass cap marked</p> <div style="text-align: center;">  <p>S 7   S 8 1932</p> </div> <p>Asc. 91 ft. over S.E. slope.</p>
46.40	Spur, bears S.E. Desc. 64 ft. over N.E. slope.
50.65	Wash, 15 lks. wide, 5 ft. deep, course S.E. Asc. 110 ft. over S.E. slope.
60.50	Spur, bears E. Desc. 264 ft. over N.E. slope.
67.90	Wash, 25 lks. wide, 15 ft. deep, course N.E. Continue descent of 48 ft. over N.E. slope.
80.00	<p>True point for cor. of secs. 5, 6, 7, and 8, falls on face of sloping ledge where it is impracticable to monument the cor., establish witness cor. as hereinafter described, on line bet. secs. 5 and 6.</p> <p>Land, mountainous. Soil, rocky 4th. rate. Timber, none. Undergrowth, greasewood, sagebrush, cacti, and sahuaro.</p> <hr style="border-top: 1px dashed black;"/>
40.00	<p>East, on a random line, bet. secs. 5 and 8.</p> <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.10	<p>Intersect N. and S. line at 9 lks. N. of the cor. of secs. 4, 5, 8, and 9.</p> <p>Thence,</p> <p>N. 89° 56' W., on true line, bet. secs. 5 and 8.</p> <p>Over mountainous land, through scattering undergrowth.</p> <p>Asc. gradually up S.E. slope.</p>
8.00	Spur, slopes S.E. Asc. 45 ft. over S.E. slope.
22.80	Wash, 10 lks. wide, 10 ft. deep, course S.E. Asc. 239 ft. over N.E. slope.
40.05	<p>Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for the <math>\frac{1}{4}</math> sec. cor. with brass cap marked</p> <div style="text-align: center;">  <p><math>\frac{1}{4}</math> <math>\frac{S 5}{S 8}</math> 1932.</p> </div> <p>Asc. 100 ft. over N.E. slope.</p>
52.20	Spur, bears N.E. Desc. 230 ft. over N.W. slope.

Chains

64.70 Wash, 1 ch. wide, course N.E. Asc. 285 ft. over S.E. slope.

80.10 True point for the cor. of secs. 5, 6, 7, and 8.

Land, mountainous.  
Soil, rocky 4th. rate.  
Timber, none.  
Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

N. 89° 55' W., on a random line, bet. secs. 6 and 7.

19.18 Impractical to continue measurement by chaining ahead on account of precipitous slopes.

Triangulate as follows:

Set flag ahead 12 lks. S. of the cor. of secs. 1, 6, 7, and 12, on W. bdy. of Tp.

Use as base, the line of the N $\frac{1}{2}$  of secs. 7 and 12 on W. bdy., measurement from flag point

to a point 38 lks. S.

of the  $\frac{1}{4}$  sec. cor. of

secs. 7 and 12 or

North, 40.26 chs.

From S. end of base,

flag set at 19.18 chs.

W. of cor. of secs. 5, 6,

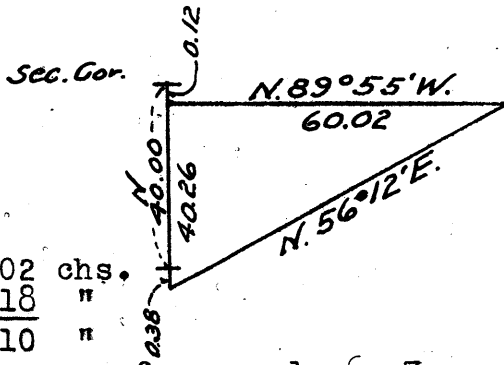
7, and 8, bears N.56°12'E.

Distance by triangulation : 60.02 chs.

" " measurement : 19.18 "

79.10 "

By return measurement from the cor. of secs. 1, 6, 7, and 12.



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

79.10 Intersect the W. bdy. of Tp., at 12 lks. S. of the cor. of secs. 1, 6, 7, and 12, hereinbefore described.

Thence,

S. 89° 50' E., on true line, bet. secs. 6 and 7.

Over mountainous land, through scattering undergrowth.

Asc. 189 ft. over S.W. slope.

15.60 Wash, 50 lks. wide, 20 ft. deep, course S.W. Continue ascent of 447 ft. over N.W. slope.

29.05 Spur, bears S.W. Desc. 98 ft. over S.E. slope.

32.60 Wash, 50 lks. wide, 6 ft. deep, course S.W. Asc. 147 ft. over S.W. slope.

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

$\frac{1}{4}$   $\frac{S 6}{S 7}$

1932.

Asc. 290 ft. over rock slide on S.W. slope.

## Survey of the Subdivision Lines of T. 14 S., R. 7 W. 77

Chains							
50.00	Foot of cliff, bears N.W. and S.E. Asc. approximately 500 ft. over vertical series of bluffs. Distance determined by triangulations as hereinbefore described.						
60.02	Flag point for triangulation, on Growler Mountains divide, which bears N.W. and S.E. Desc. 488 ft. over broken N.E. slope.						
74.40	Spur, bears N.E. Continue descent to						
79.10	The cor. of secs. 5, 6, 7, and 8.						
	Land, mountainous. Soil, rocky 4th. rate. Timber, none. Undergrowth, greasewood, sagebrush, and cacti.						
40.00	N. 0° 02' E., on a random line, bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor.						
80.00	Intersect the N. bdy. of Tp., at 7 lks. E. of the cor. of secs. 5, 6, 31, and 32, hereinbefore described.						
	Thence, S. 0° 01' E., on true line, bet. secs. 5 and 6.						
40.00	Over mountainous land, through scattering undergrowth. Desc. 40 ft. over rocky S.E. slope.						
4.00	Wash, 60 lks. wide, 10 ft. deep, course N.E. Asc. 608 ft. of N.W. slope.						
40.00	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, in a mound of stone to top, for the $\frac{1}{4}$ sec. cor. of secs. 5 and 6, with brass cap marked						
	$\frac{1}{4}$ <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">S 6</td> <td style="text-align: center;"> </td> <td style="text-align: center;">S 5</td> </tr> <tr> <td colspan="3" style="text-align: center;">1932</td> </tr> </table> <p>Asc. 110 ft. over N.W. slope.</p>	S 6		S 5	1932		
S 6		S 5					
1932							
42.35	Rocky, narrow spur, slopes N.E. Desc. 143 ft. over S.E. slope.						
50.45	Wash, 30 lks. wide, 3 ft. deep, course E. Asc. 265 ft. over N.E. slope.						
58.75	Spur, slopes E. Desc. 246 ft. over S.E. slope.						
73.40	Wash, 20 lks. wide, 3 ft. deep, course E. Asc. 113 ft. over N.E. slope.						
78.50	Spur, bears N.E. Desc. 6 ft. over S.E. slope.						

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Survey of the Subdivision Lines of T. 14 S., R. 7 W.

Chains

79.10 Set an iron post 3 ft. long, 2 ins. diam., 4 ins. in the ground to bedrock, deposit a stone marked with a cross (X) at base of post, in a mound of stone to top, for witness cor. of secs. 5, 6, 7, and 8, with brass cap marked

T 14 S	R 7 W
S 6	S 5
S 7	S 8

W C  
1932

80.00 True point for the cor. of secs. 5, 6, 7, and 8, falls on sloping surface of a ledge of rock, where it is impracticable to monument the cor., establish witness cor. as hereinbefore described.

Land, mountainous.

Soil, rocky 4th. rate.

Timber, none.

Undergrowth, greasewood, sagebrush, cacti, and sahuaro.

#### GENERAL DESCRIPTION.

A variety of land and soil was found in T. 14 S., R. 7 W. The general elevation of the township is about 1,660 ft. above sea level, in the southwestern part and 3,000 ft. in the Northwestern part along the Growler Mts. divide. The lands for the most part are rough mountainous, while along the valley of the Growler wash level and rolling desert lands are found. Growler wash enters the township in sec. 36, leaves it in sec. 34, enters and leaves again through the extreme S.W. cor. of sec. 31. The entire township drains eventually into this wash. Growler wash drains Northwesterly into the Gila River, eventually.

Improvements were found in secs. 14, 27, 34, 35, and 36. A miners house was noted in sec. 14; in secs. 27 and 34 are the houses of the Growler Mine, with a well in the latter section. This mining property is not being worked at the present time, being used as a headquarters ranch for John Cameron, who runs cattle in this vicinity.

In sec. 35, in the S.E.  $\frac{1}{4}$  is a well, unused at this time, surrounded by an old stone corral.

In sec. 36, in the NW  $\frac{1}{4}$  is the well known as Bates Wells, which once supplied water for a Guest Ranch, located just east of well on a ten acre flat, North of Growler wash; this place burned down about a year previous to this survey. It is said that this place is to be rebuilt. No other water is available in the Tp. A number of drift fences were noted in secs. 26, 27, and 35. Bates Well is enclosed by a wire fence.

A road from Ajo, Arizona crosses the southern part of the township. This road to the west, leads eventually to the abandoned Pagapo Mine, about twenty miles distant. A branch road in sec. 35, leads to Quitavaquito Arizona, on the Mexican border, about 17 miles distant. There is a road leading NW down the Growler Valley, taking off the Ajo road, in sec. 31. All these roads can be used by automotive vehicles. The northeastern corner of the township can be reached with an automobile, but the route is very poor.

Besides the mineral workings of long standing in secs. 27 and 34, belonging to the Growler Mining Company, scattering development work was noted throughout the eastern part of the township.

The lands within the township are suitable for grazing and mining only.

A scattering growth of timber was found nearly all over the Tp. This consists chiefly of paloverde, ironwood, and mesquite. This growth is dense along the Growler Wash.

The undergrowth consists of the usual desert variety, greasewood, sage brush, sahuaro, organ cacti and the various other cacti species.

FINAL FIELD TEST

-of-

Buff Transit No. 16, 724 and  
Young & Sons Transit No. 8540.

January, 23, 1932: at same station in sec. 36, T. 14 S., R. 7 W., 2. and S.R. B. and Meridian, Arizona described on page 3 hereof, examine the adjustments of the transits and find no existing errors, then to test the workings of the solar apparatus, proceed as follows:

At 9h. 00m., a.m., app. t., set off  $32^{\circ} 09' 40''$  N., on the latitude arc,  $19^{\circ} 35\frac{1}{2}'$  S. on the decl. arc and determine a meridian with the solar, which agrees with the true meridian.

At 12h. 00m., app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is  $19^{\circ} 34'$  S., which agrees with the computed declination of the sun.

At 3h. 00m., p.m., app. t., with lat. arc unchanged, set off  $19^{\circ} 31\frac{1}{2}'$  S. on the decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian conclude that the adjustments of the instruments have been maintained during the surveys described in the foregoing notes.

4-680  
(August, 1926)

BOOK 3961

**FIELD ASSISTANTS.**

NAMES.	CAPACITY.
Herman Shafer	1st. Chainman.
Howard Osborn	2nd. Chainman
Theodore Smith	Flagman
William Shafer	Moundsman



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BOOK 3961

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Benjamin J. Kinsey, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona, bearing date of the 1st day of October, 1931, 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 ~~the~~ the south, west, and North boundaries and subdivisions of T.14 S., R.7 W.,

of the Gila and Salt River Base and 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 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Phoenix, Arizona  
July 27, 1932.

*Benjamin J. Kinsey*  
U. S. Surveyor.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., APR 21 1933, 193

The foregoing field notes of the survey of the South, West and North boundaries and subdivisions of T.14 S., R.7 W., of the Gila and Salt River Meridian, in the State of Arizona,

executed by Benjamin J. Kinsey, U.S. Surveyor

under his special instructions dated Oct. 1, 1931, for Group 170, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Wm. A. Brown*  
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.~~