

3177

169

Book "F."
4-679

(1)

FIELD NOTES

BOOK 3177

OF THE RETRACEMENT OF

.....
PORTION OF NORTH BOUNDARY, and

.....
PORTION OF SUBDIVISION LINES OF T. 8 S., R. 21 W.,

.....
RESURVEY of

.....
PORTION OF SOUTH BDY. OF T. 8 S., R. 19 W., and
PORTIONS OF EAST BDRS. OF T. 8 S., R. 20 & 21 W.

.....
AND SURVEY OF

.....
PORTIONS OF EAST BDRS. OF T. 8 & 9 S., R. 21 W., and

.....
ALL OF NORTH AND SOUTH BDRS. & PORTION OF SUBDIVISION LINES,

.....
of

.....
TOWNSHIP 8 SOUTH, RANGE 20 WEST,

.....
Of the Gila and Salt River Base and Meridian,

.....
In the State of Arizona.

.....
EXECUTED BY

.....
William B. Kimmel.

.....
*In the capacity of U. S. Surveyor, under instructions dated February 5, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 47, which were approved by the Commissioner of the General Land
Office, February 23, 1915.*

.....
RETRACEMENT,
RESURVEY & Survey commenced December 20, 1915.

.....
RETRACEMENT,
RESURVEY & Survey completed January 28, 1916.

.....
Executed under Assignment
Instructions dated Feb. 27, 1915 & Dec. 9, 1915.

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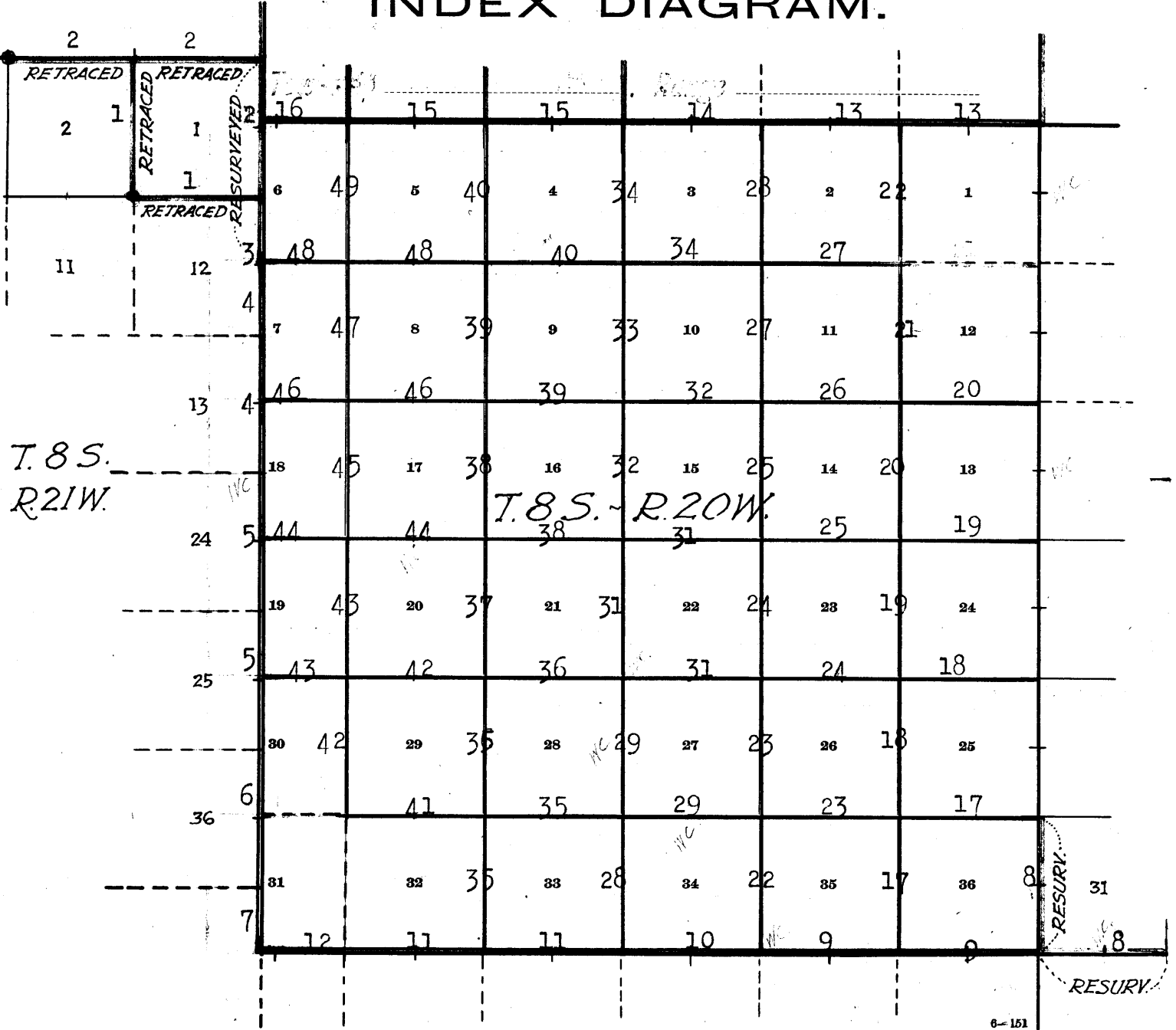
Book "F."

Group 47 - - Arizona.

BOOK 3177

See Special Order No. 1000.

INDEX DIAGRAM.



- Surveyed under this Group. Notes in this Book. 3177
- Retraced or resurveyed under this Group. Notes in this Book. 3177
- Surveyed under this Group. Notes in Book "G." 3178
- Accepted surveys.
- Unsurveyed.

Handwritten notes at the bottom right corner.

Retracements, Resurveys and Surveys hereinafter described, were executed by William B. Kimmel, U.S. Surveyor, on dates shown on diagram on page 51 of this book, using a Young and Son's light mountain transit, No. 8523, with solar attachment; described in Book "A."

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar attachment by comparing its indications resulting from solar observations made during a.m. and p.m. hours on a meridian established by observations on Polaris, I proceed as follows:

Dec. 18, 1915, at a point near camp, in sec. 21, T. 8 S., R. 20 W., at 6h. 4m., p.m., l.m.t., I observe Polaris by the hour angle method, in accordance with instructions in the manual of surveying, and turn off the azimuth of Polaris, $0^{\circ}34'$ to the west.

Dec. 19, 1915, I mark the meridian thus determined by a wooden peg set firmly in the ground 5 chs. to the north of my station. Solar observations made every hour between the hours of 8 a.m. and 4 p.m. show the greatest error of the solar attachment to be 1' to the E. of the true meridian. I therefore conclude that the adjustments of the transit and solar attachment are satisfactory.

RETRACEMENT OF PART OF THE SUBDIVISION LINES OF T. 8 S., R. 21 W.

Preliminary to commencing the resurvey of a portion of the E. bdy. of T. 8 S., R. 21 W., I retrace Subdivision lines in said Tp., in order to reestablish the missing NE. cor. of the Tp., as follows:

From the original cor. of secs. 1, 2, 11 and 12, which is a sandstone, $9 \times 9 \times 10$ ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

East, on random line, bet. secs. 1 and 12.

40.00 After diligent search in this vicinity, I am unable to find any trace of the original $\frac{1}{4}$ sec. cor.

Set temp. $\frac{1}{4}$ sec. cor., and continue line and measurement.

80.00 After diligent search in this vicinity, I am unable to find any trace of the original cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp.

Set temp. cor. of secs. 1 and 12 here.

From the original cor. of secs. 1, 2, 11 and 12, hereinbefore described,

North, on random line, bet. secs. 1 and 2.

40.00 After diligent search in this vicinity, I am unable to find any trace of the original $\frac{1}{4}$ sec. cor.

Set temp. $\frac{1}{4}$ sec. cor., and continue line and measurement.

80.00 After diligent search in this vicinity I am unable to find any trace of the original cor. of secs. 1, 2, 35 and 36 on N. bdy. of Tp.

Set temp. sec. cor. at this point.

RETRACEMENT OF PART OF EAST BDY. OF T. 8 SOUTH, RANGE 21 WEST.

From temp. cor. of secs. 1 and 12 on E. bdy. of Tp.,

South, on random line, along E. bdy. of sec. 12.

40.00 After diligent search in this vicinity, I am unable to find any trace of the original $\frac{1}{4}$ sec. cor.

Set temp. $\frac{1}{4}$ sec. cor. of sec. 12 here.

2.

Chains

From the temp.cor.of secs. 1 and 12 on E. bdy. of Tp., North, on random line, along E bdy.of sec.1.
 40.00 After diligent search in this vicinity, I am unable to find any trace of the original $\frac{1}{4}$ sec.cor.
 Set temp. $\frac{1}{4}$ sec.cor.of sec.1, and continue line and measurement.
 80.00 After diligent search in this vicinity, I am unable to find any trace of the original cor.of Ts.7 and 8 S.,Rs.20 and 21 W.
 Set temp.cor.of Ts.7 and 8 S.,R.21 W., here.

RETRACEMENT OF PART OF NORTH BDY.OF TOWNSHIP 8 S.,R.21 W.

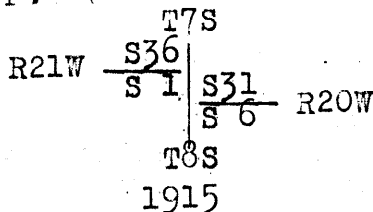
From the temp. cor. of Ts. 7 and 8 S., R.21 W., West, on a random line, bet. secs.1 and 36.
 40.00 After diligent search in this vicinity, I am unable to find any trace of the original $\frac{1}{4}$ sec.cor.
 Set temp. $\frac{1}{4}$ sec.cor.,and continue line and measurement.
 80.03 Intersect N.and S* line, 5 lks.S. of the temp.cor.of secs. 1,2,35 and 36.

From temp.cor. of secs.1,2,35 and 36, West, on a random line, bet. secs.2 and 35.
 40.00 After diligent search in this vicinity, I am unable to find any trace of the original $\frac{1}{4}$ sec.cor.
 Set temp. $\frac{1}{4}$ sec.cor.,and continue line and measurement.
 81.43 Fall 76 lks.S. of the original cor. of secs. 2,3,34 and 35, which is a stone 10x7x10 ins. above ground, firmly set,marked and witnessed, as described by the surveyor general.

RESURVEY OF PART OF EAST BDY.OF TOWNSHIP 8 SOUTH,RANGE 21W.

From the fallings and distances obtained in the foregoing retracements, I reestablish the cor.of Ts.7 and 8 S.,R. 21 W., by proportionate measurement and distance, as follows:

From the temp.cor. of Ts. 7 and 8 S.,R. 21 W., N.56°57'W., 87 lks.dist.
 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of Ts.7 and 8 S., R. 21 W., marked on brass cap,



dig pits 30x24x12 ins., N.and S. 4 ft., and W.of post, 8 ft.dist., and raise a mound of earth,5 ft.base,2 $\frac{1}{2}$ ft. high,W.of cor.

This location gives a true course and dist.of the N.bdys. of secs.1 and 2, each S. 89° 50'E.,80.36 $\frac{1}{2}$ chs.

Thence, S 0°16'E., on a true line, along E. bdy.of sec.1. Over level land, through dense undergrowth and scattering timber.

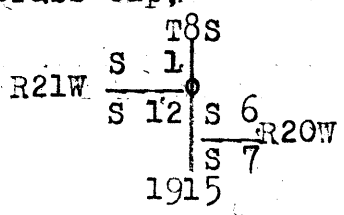
.30 Fence brs.NE. and SW.
 13.35 North bank of river, brs.NW. and SE. Thence across drybed of river.
 40.12 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec.cor., of sec.1, marked on brass cap.

Resurvey of portion of East bdy. of Township 8 South, Range 21 W. 3

Chains.

S11
1915

- 49.00 dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth 3 ft. base, 1 1/2 ft. high, W. of cor.
- 49.00 Leave river.
- 69.84 Road brs. E. and W.
- 80.24 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 1 and 12, marked on brass cap.



from which,
 A willow, 6 ins. in diam., brs. S. 8° W., 174 lks. dist., marked T 8 S R 21 W S 12 B T.
 A willow, 10 ins. in diam., brs. N. 32° W., 48 lks. dist., marked T 8 S R 21 W S 1 B T.
 Also dig pits, 24x24x12 ins. NW. and SW. of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cpr.
 Land, level river bottom.
 Soil, sandy silt, 1st rate.
 Timber, scattering willow.
 Undergrowth, willow and arrowweed.

-
- 1.35 South, along E. bdy. of sec. 12.
 - 12.15 Over level river bottom land, thru. scattering timber and dense undergrowth.
 - 12.15 Road brs. NE and SW.
 - 13.75 Leave river bottom land, enter gently rolling land.
 - 13.75 Old R.R. grade, brs. NW. and SE. from which Dome Hotel and store, bear N. 80° W., about 12 chs. dist.
 - 20.25 School house brs. W. about 2 1/2 chs. dist.
 - 28.55 Road brs. NW. and SE.
 - 29.25 Center of county road in course of construction.
 - 31.55 Telegraph line brs. N. 42° W. and S. 42° E.
 - 32.90 Side track, brs. N. 42° W. and S. 42° E.
 - 33.10 Depot "Dome Station," brs. NW. about 25 chs. dist.
 - 33.10 Block signal line brs. N. 42° W. and S. 42° E.
 - 33.30 Main line Southern Pacific R.R. brs. N. 42° W. and S. 42° E.
 - 34.35 Fence brs. NW and SE.
 - 34.50 Telephone, brs. NW and SE.
 - 37.20 Enter old placer diggings, bear NE. and SW.
 - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor., marked on brass cap.

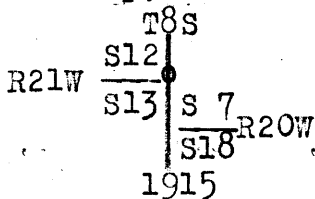
S12
1915

Dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
 Original survey of this township bdy. did not extend any farther south than this 1/4 sec. cor.
 Land, level. Soil, sandy loam, 1st rate.
 Timber, willow.
 Undergrowth, willow and arrow weed.

4. Survey of portion of East bdy. of Township 8 S., R. 21 W.

Chains.

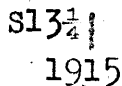
- From the reestablished $\frac{1}{4}$ sec. cor. of sec. 12, hereinbefore described,
- South along E bdy. of sec. 12 (S. $\frac{1}{2}$).
- Over gently rolling land, thru scattering timber & undergrowth.
- 5.50 Wash, 75 lks. wide, 2 ft. deep, course E. Foot of mountain brs. E and W. Ascend gently rolling N. slope.
- 9.25 Enter gulch, course NE.
- 13.42 Leave gulch, course N.
- 16.00 Spur, slopes NE. Descend gradual slope, 19 ft. to
- 16.88 Ravine, course NE. Ascend N. slope, 151 ft. to
- 25.06 Spur, slopes NE. Ascend NE. slope, 316 ft. to
- 38.89 Spur, slopes NE
- 40.00 Set an iron post, 3 ft. long, 3 ins. in diam., on surface rock, in a mound of stone, for cor. of secs. 12 and 13, marked on brass cap,



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

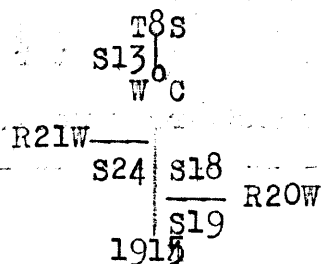
Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood and ocotillo.

- South along E. bdy. of sec. 13.
- Over mountainous land, thru scattering timber and undergrowth.
- Descend 397 ft. to
- 11.02 Ravine, course E. Ascend 91 ft. to
- 13.05 Rocky spur, slopes E. Descend 200 ft. to
- 18.08 Rocky canyon, course E. Ascend 200 ft. to
- 23.11 Spur, slopes NE. Descend 100 ft. to
- 31.12 Canyon, course NE. Ascend 316 ft. to
- 39.13 Ridge, brs. E. and W. Descend to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



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

- Descend 280 ft. to
- 49.89 Canyon, course E. Ascend 469 ft. to
- 60.58 Ridge, brs. E and W. Descend 150 ft. to
- 64.96 Canyon, course SE. Ascend 76 ft. to
- 69.34 Spur, slopes SE. Descend to
- 73.78 Canyon, course E. Ascend to
- 78.23 Over rolling land, to
- 80.00 True point for cor. of secs. 13 and 24, falls on slide rock; therefore at
- 79.75 Set an iron post, 3 ft. long, 3 ins. in diam., 14 ins. in the ground, to solid rock, in a mound of stone, for witness cor. to cor. of secs. 13 and 24, marked on brass cap,



Survey of Portion of E. bdy. of T. 8 S., R. 21 W. 5

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood and ocotillos.

5.45
10.97
21.15
31.32
40.00

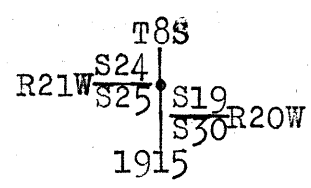
From true point for cor. of secs. 13 and 24,
South along E. bdy. of sec. 24.
Over mountainous land, through scattering timber and undergrowth.
Desc. 150 ft. to
Gulch, course E. Asc. 130 ft. to
Spur slopes E. Desc. 350 ft. to
Gulch, course E. Asc. 350 ft. to
Spur slopes NE. Desc. SE. slope, 165 ft. to
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., mkd. on brass cap

S24 1/4 |
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

40.88
44.75
49.42
58.86
62.11
66.61
76.00
80.00

Point of spur slopes SE. Desc. 129 ft. to
Ravine, course NE. Asc. 169 ft. to
Spur slopes E. Desc. along E. slope, 129 ft. to
Ravine, course E. Asc. 93 ft. to
Low spur slopes E. Desc. 98 ft. to
Ravine, course E. Asc. NE. slope, 226 ft. to
Desc. 141 ft. to
Set an iron post, 3 ft. long, 3 ins. diam., 8 ins. in the ground, to solid rock, in a mound of stone, for cor. of secs. 24 and 25, mkd. on brass cap



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood and ocotillos.

1.30
8.20
16.64
23.34
40.00

South along E. bdy. of sec. 25.
Over mountainous land, through scattering timber and undergrowth.
Ravine, course E. Asc. N. slope, 212 ft. to
Spur slopes E. Desc. rocky SE. slope, 317 ft. to
Ravine, course NE. Asc. N. slope, 350 ft. to
Spur slopes E. Thence along rolling E. slope
Asc. 200 ft. to
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., mkd. on brass cap

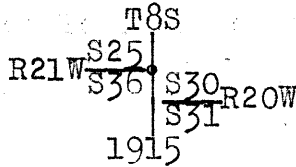
S25 1/4 |
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

6 Survey of Portion of E. bdy. of T. 8 S., R. 21 W.

Chains

Asc. 41 ft. to
 41.20 Spur slopes NE. Desc. S. slope, 402 ft. to
 54.00 Ravine, course SE. Asc. 97 ft. to
 56.49 Spur slopes SE. Desc. 81 ft. to
 60.77 Gulch, course SE. Asc. N. slope 306 ft. to
 69.88 Spur slopes NE. Asc. 347 ft. to
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 20 ins. in
 the ground, for cor. of secs. 25 and 36, mkd. on
 brass cap

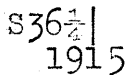


and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

Land, mountainous.
 Soil, rocky, 4th rate, decomposed granite.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood and ocotillos.

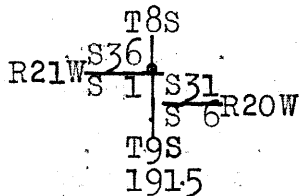
South along E. bdy. of sec. 36, ...
 Over mountainous land, through scattering timber and
 Undergrowth.

Asc. rocky NE. slope, 173 ft. to
 4.55 Spur slopes E. Desc. S. slope, 492 ft. to
 23.57 Rocky gulch, course E. Asc. N. slope, 286 ft. to
 28.49 Spur slopes E. Desc. 31 ft. to
 30.11 Head of gulch, course E. Asc. NE. slope, 249 ft. to
 38.77 Dividing ridge brs. NW. and SE. Desc. SW. slope, 48 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
 ground, to solid rock, in a mound of stone, for ¼ sec.
 cor., mkd. on brass cap



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

Desc. SW. slope, 399 ft. to
 55.34 Ravine, course SE. Thence along rolling E. slope.
 62.00 Desc. 86 ft. to
 75.11 Same ravine, course SW. Desc. 10 ft. to
 77.45 Same ravine, course SE. Desc. gradual slope to
 78.75 Same ravine, course SW. Asc. NW. slope to
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, for cor. of T8 and 9 S., R. 21 W. mkd.
 on brass cap



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

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood and ocotillos.

Survey of portion of East bdy. of Township 9 South, Range 21 West. 7

Chains.

From the cor. of Ts. 8 and 9 S., R. 21 W., hereinbefore described,
 South, along E. bdy. of sec. 1.
 Over mountainous land, through scattering timber and undergrowth.
 Ascend NW/slope, 81 ft. to
 3.28 Spur, slopes SW. Descend 61 ft. to
 4.71 Ravine, course W. Ascend N. slope, 258 ft. to
 12.50 Spur, slopes W. Descend S. slope, 125 ft. to
 16.38 Head of gulch, course SW.; thence over rolling W. slope
 to
 25.95 Rocky gulch, course W. Ascend 63 ft. to
 29.87 Rocky gulch, course NW. Ascend steep N. slope, 266 ft. to
 38.62 The closing cor. of Ts. 8 and 9 S., R. 20 W., hereinafter described.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood and ocotillos.

8 Resurvey of part of E. bdy. of Township 8 South, Range 20 West.

Chains.

- From original cor. of secs. 25, 30, 31 and 36, which is an iron post 3 ins. in diam., firmly set, marked and witnessed, as described by the surveyor general, South, on a true line, bet. secs. 31 and 36.
Over level bottom land.
- 40.01 $\frac{1}{2}$ After diligent search in this vicinity find no trace of the original $\frac{1}{4}$ sec. cor.; therefore, at this point, re-establish the cor., as follows:
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- S36 $\frac{1}{4}$ | S31
1915
- from which,
A willow, 10 ins. diam., brs. N. 7° E., 93 lks.
dist., marked $\frac{1}{4}$ S 31 B T.
A willow, 7 ins. in diam., brs. N. 12 $\frac{1}{2}$ ° W., 72 lks.
dist., marked $\frac{1}{4}$ S 36 B T.
- 80.03 Intersect original cor. of Ts. 8 and 9 S., Rs. 19 and 20 W., which is an iron post, 3 ins. diam., firmly set, marked and witnessed as described by the surveyor general.
Land, level.
Soil, sandy, 1st and 2nd rate.
Timber, scattering cottonwood, mesquite and willow.
Undergrowth, arrow weed and water moat.
-
- Resurvey of part of South bdy. of T. 8 S., R. 19 West.
- From the original cor. of Ts. 8 and 9 S., Rs. 19 and 20 W., hereinbefore described,
S. 89° 59' E., on a true line, along S. bdy. of sec. 31.
Over level river bottom land, through dense undergrowth.
- 30.13 After diligent search in this vicinity am unable to find any trace of the original witness cor. to $\frac{1}{4}$ sec. cor.
- 34.25 Right bank of Gila river, brs. N. and S.
- 36.49 True point for $\frac{1}{4}$ sec. cor. falls in dry channel of Gila river.
- 40.00 Left bank of Gila River, brs. N. and S.
- 45.04 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished witness cor. to $\frac{1}{4}$ sec. cor. of secs. 6 and 31, marked on brass cap,
- WC $\frac{1}{4}$ ° | S 31
S 6
1915
- dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 76.44 Intersect the original cor. of secs. 31 and 32, Ts. 8 & 9 S., R. 19 W., which is an iron post, 3 ins. in diam., firmly set marked and witnessed, as described by the surveyor general.
Land, level.
Soil, sandy, 1st and 2nd rate.
No timber.
Undergrowth, arrow weed, and water moat..
-

Survey of South hdy. of T. 8 S., R. 20 W.

Chains
 From original cor. of Ts. 8 and 9 S., Rs. 19 and 20 W., here-
 inbefore described,
 West on a true line bet. secs. 1 and 36.
 Over level land, subject to overflow, through dense under-
 growth.

20.40 Right bank of dry channel of Gila River, 6 ft. high, brs.
 N. and S.

26.65 Left bank of dry channel of Gila River, 8 ft. high, brs.
 N. and S.

33.20 Leave land, subject to overflow brs. NW. and SE. thence
 over gently rolling land, through dense undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 36
 $\frac{1}{4}$
 S 1
 1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
 high, N. of cor.

43.80 Ravine, course N.

64.50 Road brs. NW. and SE: Enter sandywash course N.

68.50 Leave wash, course N.

70.00 Old R. R. grade brs. NW. and SE.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, for cor. of secs. 1, 2, 35 and 36, mkd.
 on brass cap

T8S
 S35|S36
 S 2 | S 1 R20W
 T9S
 1915

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

Land, 33.20 chs. subject to overflow; remainder gently
 rolling.
 Soil, sandy silt 1st rate and 2nd rate, gravelly.
 Timber, scattering mesquite and palo verde.
 Undergrowth, dense mesquite.

West bet. secs. 2 and 35.
 Over gently rolling land, through scattering timber and
 undergrowth.

38.00 County road brs. NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 35
 $\frac{1}{4}$
 S 2
 1915

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
 high, N. of cor.

49.75 Wash, 100 lks. wide, 2 ft. deep, course N.

59.40 Enter series of small washes course N.

65.80 Leave washes.

72.05 Road brs. NE. and SW.

72.75 Ravine, course N.

73.50 Top of dump for ballast pit.

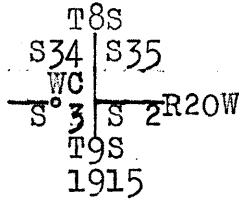
75.80 Fence brs. NW. and SE. Enter R.R. yard property.

77.80 Fence brs. NW. and SE.

78.20 Road brs. NW. and SE.

10 South bdy. of T. 8 S., R. 20 W.

- Chains
- 79.01 Telegraph line brs. NW. and SE.
- 79.40 Side track brs. NW. and SE.
- 79.60 Side track brs. NW. and SE.
- 79.86 Main line of S.P.R.R. brs. N. 41° W. and S. 41° E.
- 80.00 True point for sec. cor. falls on R. R. property, in the R. R. yards, therefore at
- 76.50 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for W. C. to cor. of secs. 2, 3, 34 and 35, mkd. on brass cap



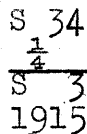
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

From this W.C., buildings, etc. of Ligutta Flag Station bear as follows: The section foreman's house brs. N. 33° W. about 5 chs. dist.

- The section house brs. N. 21° W. about 4 chs. dist.
- The tool house brs. N. 60° W. about 4 chs. dist.
- Derailing switch brs. S. 87° 50' W. about 70 lks. dist.
- Land, gently rolling.
- Soil, sandy 2nd rate.
- Timber, palo verde and iron wood.
- Undergrowth, scattering mesquite and greasewood.

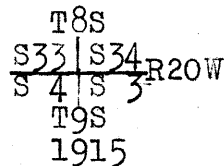
From true point for cor. of secs. 2, 3, 34 and 35, West bet. secs. 3 and 34. Over gently rolling land, through scattering timber and undergrowth.

- .81 Block signal line brs. NW. and SE.
- 3.60 Telephone line brs. NW. and SE.
- 3.85 Fence brs. NW. and SE. Leave R.R. yard property.
- 22.20 Ravine, course NE.
- 31.90 Ravine, course NE.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for sec. cor., mkd. on brass cap



and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

- 54.30 Draw course NE.
- 74.25 Enter draw course N.
- 80.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, mkd. on brass cap



from which, An iron wood, 14 ins. diam., brs. S. 12° E. 253 lks. dist. mkd. T 9 S R 20 W S 3 B T.

- No other trees within limits.
- Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- Land, gently rolling.
- Soil, 2nd rate.
- Timber, scattering palo verde and iron wood.
- Undergrowth, greasewood, ocotillos and cacti.

Chains

West bet. secs. 4 and 33.
 Over rolling mountainous land, through scattering timber
 and undergrowth.
 2.25 Leave draw course N.
 Foot of mountains brs. N. and S. Asc. rolling NE. slope,
 69 ft. to
 4.80 Spur slopes SE. Thence asc SE. slope 80 ft. to
 14.00 Spur slopes NE. Desc. NW. slope, 46 ft. to
 22.85 Gulch, course NE. Asc. E. slope, 30 ft. to
 33.00 Spur slopes N. Thence along N. slope.
 38.64 Enter rocky gulch, course N.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins in the
 ground, to solid rock, in a mound of stone, for $\frac{1}{4}$
 sec. cor., mkd. on brass cap

S 33
 $\frac{1}{4}$
 S 4
 1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.

40.90 Leave gulch; asc. E. slope 121 ft. to
 44.32 Spur slopes NE. Asc. 61 ft. to
 47.25 Spur slopes N. Desc. 94 ft. to
 49.22 Ravine, course NE. Asc. E. slope, 129 ft. to
 53.05 Spur slopes SW. Thence along rolling S. slope to
 57.50 Spur slopes SW. Desc. to
 58.37 Ravine, course SW. Asc. 74 ft. to
 64.80 Spur slopes NE. Asc. 178 ft. to
 69.80 Spur slopes N. Thence along N. slope to
 78.70 Spur slopes NW. Desc. 53 ft. to
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 10 ins. in
 the ground, for cor. of secs. 4, 5, 32 and 33, mkd.
 on brass cap

T8S
 S32 | S33
 S 5 | S 4 R20W
 T9S
 1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor. 6 ft. dist. (Could not raise mound to W.
 on account of slide rock.)

Land, rolling mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood, ocotillos.

West bet. secs. 5 and 32.
 Over rolling mountainous land, through scattering timber
 and undergrowth.
 Asc. to
 12.00 Spur slopes NW. Desc. 200 ft. to
 14.00 Gulch, course NE. Asc. 627 ft. to
 36.50 Spur slopes NE. Thence along N. slope to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 32
 $\frac{1}{4}$
 S 5
 1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.

12

South bdy. of T. 8 S., R. 20 W.

Chains

62.57 Asc. NE. slope, 305 ft. to
 Dividing ridge brs. NW and SE. Thence desc. along
 rolling S. slope to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 4 ins. in the
 ground, to solid rock; in a mound of stone, for cor.
 of secs. 5, 6, 31 and 32, mkd. on brass cap

T8S.
 S31 | S32
 S 6 | S 5 R20W
 T9S
 1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 N. of cor. (Could not raise mound of stone W. of cor.
 on account of steep slope.)

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood and ocotillos.

West bet. secs. 6 and 31.
 Over mountainous land, through scattering timber and
 undergrowth.

27.50 Asc. along rocky SE. slope to
 Ridge brs. NE. and SW. Desc. to

34.00 Head of gulch, course NW. Asc. to

39.99 Spur slopes NW. 262 ft. below main ridge.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on surface
 rock, in a mound of stone, for 1/4 sec. cor., mkd on
 brass cap

S 31
 1/4
 S 6
 1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 N. of cor.

49.41 Desc. along N. slope, to
 Intersect E. bdy. of T. 9 S., R. 21 W. 38.62 chs. S. of
 the cor. of Ts. 8 and 9 S., R. 21 W., hereinbefore
 described. At point of intersection
 Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in
 the ground, to solid rock, in a mound of stone, for
 C. C. of Ts. 8 and 9 S., R. 20 W., mkd. on brass cap

T8SR20W
 S36 | S31
 S 1 | C
 S 6
 R21W T 9S
 1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 E. of cor.

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

Survey of North bdy. of T. 8 S., R. 20 W.

Chains From original cor. of Ts. 7 & 8 S., Rs. 19 & 20 W., which is a 3 in. iron post with brass cap, mkd. & witnessed as described by Surv. Genl West bet. secs. 1 and 36.
 Over mountainous land, through scattering timber and undergrowth.
 Asc. E. slope, 238 ft. to
 11.19 Spur slopes N. at N. end of Klotho's Temple. Desc. W. slope 476 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., mkd. on brass cap

S 36
 1/4
 S 1
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 Desc. 30 ft. to
 42.30 Ravine, 5 ft. deep, course S. Asc. 173 ft. to
 60.00 Spur slopes SW. Desc. W. slope, 127 ft. to
 67.60 Ravine, 15 ft. deep, course S. Asc. E. slope, 126 ft. to
 71.05 Spur slopes SW. Desc. along rolling N. slope, 141 ft. to
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, mkd. on brass cap

T7S
 S35 | S36
 S 2 | S 1 R20W
 T8S.
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood and ocotillos.

West bet. secs. 2 and 35.
 Over rolling mountainous land, through scattering timber and undergrowth.
 1.05 Enter ravine course W.
 5.00 Leave ravine, 10 ft. deep, course SW.
 6.25 Ravine, 6 ft. deep, course SW. Asc. E. slope 71 ft. to
 9.60 Spur slopes S. Asc. gradual slope to
 14.60 Spur slopes S. Thence along rolling S. slope.
 20.75 Spur slopes S.
 37.00 Spur slopes SW. Thence along rolling N. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., mkd. on brass cap

S 35
 1/4
 S 2
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
 Asc. 11 ft. to
 41.40 Spur slopes N. Desc. W. slope, 73 ft. to
 45.60 Gulch, course S. Asc. E. slope 66 ft. to
 48.40 Spur slopes S. Thence along S. slope,
 51.25 Spur slopes SW. Desc. NW. slope. Desc. 178 ft. to
 63.60 Canyon course SW. Thence along rolling SW. slope. Desc. 19 ft. to

14 North hdy. of T. 8 S., R. 20 W.

Chains
 71.00 Gulch, course S. Asc. SE. slope, 68 ft. to
 75.50 Spur slopes SW. Desc. NW. slope, 70 ft. to
 78.00 Gulch, course SW. Asc. gradual SE. slope to
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, for cor. of secs. 2, 3, 34 and 35, mkd.
 on brass cap

T7S
 S34 | S35 R20W
 S 3 | S 2
 T8S
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde, cat claw, and mesquite.
Undergrowth, greasewood and cat claw.

West bet. secs. 3 and 34.
Over rolling hilly land, through scattering timber and undergrowth.

Asc. SE. slope, 55 ft. to
 2.90 Spur slopes SW. Desc. W. slope, 59 ft. to
 5.10 Gulch, course S. Asc. E. slope, along foot of mountains,
 100 ft. to
 10.40 Spur slopes S. Desc. NW. slope, 202 ft. to
 21.90 Gulch, course SW. Asc. SE. slope, 60 ft. to
 25.20 Rocky mesa brs. NE. and SW. Thence over rolling mesa to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for sec. cor., mkd. on brass cap

S 34.
 1/2
 S 3
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

42.20 Ravine, 10 ft. deep, course SW. Asc. SE. slope, 37 ft. to
 45.80 Spur slopes SW. Desc. NW. slope 94 ft. to
 52.40 Draw course SW. Asc. SE. slope, 71 ft. to
 63.00 Spur slopes SW. Desc. NW. slope, 66 ft. to
 76.50 Draw course SW. Asc. SE. slope, 20 ft. to
 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in
 the ground, or cor. of secs. 3, 4, 33 and 34, mkd.
 on brass cap

T7S
 S33 | S34
 S 4 | S 3 R20W
 T8S
 1916

from which,
An iron wood, 16 ins. diam., brs. S. 62° E. 1/2 N.,
W. 218 lks. dist. mkd. T 8 S R 20 W S 3 B T.

No other trees within limits.
Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
Land, rolling and hilly.
Soil, rocky, 4th rate.
Timber, scattering mesquite and cat claw.
Undergrowth, cat claw.

North boundary of Township 8 South, Range 20 West. 15.

Chains.

West, bet. secs. 4 and 33.
 Over rolling land, thru scattering timber and undergrowth.
 Ascend SE. slope, 26 ft. to
 2.50 Spur, slopes SW. Descend NW. slope, 103 ft. to
 28.00 Foot of hills, brs. NE. and SW. Thence descend gradual
 slope, to
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the
 the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 33
 $\frac{1}{4}$
 S 4
 1916

from which,
 An ironwood, 10 ins. in diam., brs. N. 14° E., 213 lks.
 dist., marked $\frac{1}{4}$ S 33 B T.

No other trees within limits.
 Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Thence over level land.
 79.00 Enter dense mesquite, brs. NW and SE.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 4, 5, 32 and 33, marked on
 brass cap,

T 7 S
 S 32 S 33
 S 5 S 4 R 20 W
 T 8 S
 1916

from which,
 A mesquite, 10 ins. in diam., brs. S 10 $\frac{1}{2}$ ° W., 53 lks.
 dist., marked T 8 S R 20 W S 5 B T.

No other trees within limits. Dig pits 18x18x12 ins., in
 each sec. 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft.
 base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, E. 40 chs., gravelly and rocky, 4th rate; remainder
 sandy loam, 1st rate.
 Timber, mesquite.
 Undergrowth, mesquite.

West, bet. secs. 5 and 32.
 Over level land, subject to overflow from Gila River.
 Through scattering timber and dense undergrowth,
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 32
 $\frac{1}{4}$
 S 5
 1916

dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.,
 and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.

40.55 Row of fence posts, brs. N. and S.
 60.10 Road brs. NE. and SW.
 62.70 Road brs. NE. and SW.
 78.18 Brush fence brs. NW. and SE.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 5, 6, 31 and 32, marked on
 brass cap,

16. North boundary of Township 8 South, Range 20 West.

Chains.

T 7 S	
S 31	S 32
R 20 W	
S 6	S 5
T 8 S	
1916	

dig pits, 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level, subject to overflow.
Soil, loam, 1st rate.
Undergrowth, mesquite, and greasewood.
Timber, mesquite.

West, bet. secs. 6 and 31.
Over level land, thru. dense undergrowth.

- 2.70 Fence brs. NW. and SE.
5.05 Road brs. NE. and SW.
12.00 Road brs. NW. and SE.
13.30 Fence brs. NW. and SE.
15.60 Fence brs. NW. and SE.
18.84 Road brs. N. and S.
19.04 Old river bank, brs. N. and S. Enter willow and cotton-wood timber.
26.00 Leave timber and undergrowth, thence over dry river channel, course NW.
40.00 Set an iron post, 3 ft. long, 1 in. indiam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor., marked on brass cap,

S 31	
$\frac{1}{2}$	

S 6	
1916	

Dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

- 50.33 Intersect E. bdy. of T. 8 S., R. 21 W., 2.00 chs. N. $0^{\circ}16'$ W. of the reestablished $\frac{1}{2}$ sec. cor., of sec. 1, hereinbefore described. At point of intersection,
Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing corner of Ts. 7 and 8 S., R. 20 W., marked on brass cap,

T 7 S R 20 W	
S 36	S 31
S 1 C	
C	
S 6	
R 21 W T 8 S	
1916	

Dig pits, 30x24x12 ins., on each line, N. and S. 4 ft., and E. of post, 8 ft. dist., and raise a mound of earth, 5 ft. base, $2\frac{1}{2}$ ft. high, E. of cor.
Land, level river bottom.
Soil, sandy silt, 1st rate.
Timber, scattering mesquite.
Undergrowth, dense willow and mesquite brush.

Survey of Subdivision lines of T 8 S. R. 20 W.

Chains

Survey executed with a Young and Son's light mountain transit No. 8523, with solar attachment, as described in book "A".

From recent and repeated field tests of the transit and solar attachment, they are known to be in satisfactory adjustment.

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

N. 0° 1' W. bet. secs. 35 and 36.

Over gently rolling land, draining towards the N.

2.70 Old road brs. E. and W.

5.40 Old R. R. grade brs. NW. and SE.

6.20 Enter land, subject to overflow.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S35 $\frac{1}{4}$ |S36
1915

from which,

A cotton wood, 8 ins. diam., brs. N. 67 $\frac{1}{2}$ ° E.
52 lks. dist. mkd. $\frac{1}{4}$ S 36 B T.

A willow, 6 ins. diam., brs. N. 56° W.
244 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.

56.80 Left bank of dry channel of Gila River. Bank 8 ft. high. Course of River W. Thence across dry channel of river.

70.25 Right bank of Gila river. Bank 4 ft. high.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, mkd. on brass cap.

T 8S R20W
S26|S25
S35|S36
1915

from which,

A mesquite, 7 ins. diam., brs. S. 88° W.
193 lks. dist., mkd. T 8 S R 20 W S 35 B T.

No other trees within limits.

Dig pits 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling; 1st 6 chs. sandy hills, 74 chs. of land, subject to overflow.

Soil, alluvial, 1st rate.

Timber, scattering willow and cottonwood.

Undergrowth, greasewood and arrow weed.

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

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

80.04 Intersect E. bdy. of Tp., 9 lks. N. of orig. cor. of secs. 25, 30, 31 and 36, an iron post, with brass cap, marked and witnessed, as described by the surveyor general.

Thence

N. 89° 56' W. on a true line bet. secs. 25 and 36.

Over gently rolling land, through scattering timber and undergrowth.

40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 25
 $\frac{1}{4}$
S 36
1915

from which,

A mesquite, 14 ins. diam., brs. N. 3° E.
197 lks. dist. mkd. $\frac{1}{4}$ S 25 B T.

Chains

74.75 A mesquite 10 ins. diam., brs. S. 14° W.
 80.04 103 lks. dist., mkd., $\frac{1}{4}$ S 36 B T.
 Enter land, subject to overflow. brs. NW. and SE.
 The cor. of secs. 25, 26, 35 and 36.
 Land, nearly level.
 Soil, 1st rate.
 Timber, scattering mesquite, willow and cottonwood.
 Undergrowth, dense arrow weed, mesquite and greasewood.

2.00 N. 0° 1' W. bet. secs. 25 and 26.
 39.95 Over level land, through dense mesquite undergrowth.
 40.00 Overflow line brs. E. and W.
 Row of fence posts brs. E. and W.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 26 $\frac{1}{4}$ | S 25
 1916

from which,
 A mesquite, 9 ins. diam., brs. N. 88° E.
 135 lks. dist., mkd. $\frac{1}{4}$ S 25 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.
 and raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 60.05 Row of fence posts brs. E. and W.
 79.92 Row of fence posts brs. E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 23, 24, 25 and 26, mkd.
 on brass cap

T 8 S R 20 W
 S 23 | S 24
 S 26 | S 25
 1916

from which,
 A mesquite, 8 ins. diam., brs. S. 58 $\frac{1}{2}$ ° W.
 115 lks. dist. mkd. T 8 S R 20 W S 26 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.
 and raise a mound of earth, 4 ft. base, 2 ft. high,
 W. of cor.
 Land, level.
 Soil, 1st rate.
 Timber, mesquite.
 Undergrowth, dense mesquite brush.

40.00 East on a random line bet. secs. 24 and 25.
 80.14 Set temp. $\frac{1}{4}$ sec. cor. orig.
 Intersect E. bdy. of Tp., 14 lks. S. of cor. of secs.
 19, 24, 25 and 30. an iron post with brass cap, marked
 and witnessed as described by the surveyor general.

Thence
 S. 89° 54' W. on a true line bet. secs. 24 and 25.
 Over level land through scattering timber and under-
 growth.
 32.84 Old fence brs. NE. and SW.
 40.07 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 24
 $\frac{1}{4}$
 S 25
 1916

Subdivision of a portion of T. 8 S. R. 20 W. 19

Chains

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
 54.20 Road brs. NW. and SE.
 79.94 Row of fence posts brs. N. and S.
 80.14 The cor. of secs., 23, 24, 25 and 26.
 Land, level.
 Soil, 1st rate.
 Timber, scattering mesquite.
 Undergrowth, dense mesquite undergrowth.

N. 0° 1' W. bet. secs. 23 and 24.
 Over level land, through scattering timber and undergrowth
 20.25 Road brs. NW. and SE.
 27.00 Swale 2 chs. wide, course W.
 39.95 Fence brs. E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

S23 1/4 | S24
 1916

from which,
 A mesquite, 6 ins. diam., brs. N. 37 1/4° E.
 52 lks. dist., marked 1/2 S 24 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.
 43.00 Vacant adobe house brs. W. about 15 chs. dist.
 73.10 Fence brs. NW. and SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs, 13, 14, 23 and 24, mkd. on brass cap

T 8S R20W
 S14 | S13
 S23 | S24
 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
 Land, level.
 Soil, 1st rate.
 Timber, scattering mesquite.
 Undergrowth, dense mesquite brush.

East on a random line bet. secs. 13 and 24.
 40.00 Set temp. 1/4 sec. cor. orig.
 80.14 Intersect E. bdy. of Tp., 6 lks. S. of cor. of secs. 13, 18, 19 and 24, an iron post with brass cap, marked and witnessed as described by the surveyor general.

Thence
 S. 89° 57' W. on a true line bet. secs. 13 and 24.
 Over rolling land, through scattering timber and undergrowth.
 3.90 Desc. gradual slope to
 14.00 Ravine, course SW. Thence over gently rolling land to
 18.90 Desc. 126 ft. to
 22.84 Ravine, course S. Asc. 115 ft. to
 28.44 Spur slopes S. Desc. gradual slope to
 30.14 Ravine, course SW. Asc. gradual slope
 39.00 Spur slopes SW. Desc. 90 ft. to
 40.07 Small ravine, course SW.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap, and raise mound of stone 2 ft. base, 1 1/2 ft. high, S 13
 S 24

20 Subdivision of portion of T. 8 S., R. 20 W.

Chains	high, N. of cor. Asc. 25 ft. to
43.14	Spur slopes S. Desc. 58 ft. to
48.94	Wash, 50 lks. wide, 2 ft. deep, course SW. Thence over gently rolling land.
60.14	Small wash, course S. Asc. 20 ft. to
70.14	Spur slopes S. Desc. 14 ft. to
77.14	Enter level land.
80.14	The cor. of secs. 13, 14, 23 and 24. Land, rolling to 77.14 remainder level. Soil, rocky 4th rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood.
N. 0° 1' W. bet. secs. 13 and 14. Over rolling land, through scattering timber and undergrowth. Asc. low rolling SW. slope, 23 ft. to	
21.00	Enter draw and series of washes course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
S14 $\frac{1}{4}$ S13 1916	
from which, An iron wood, 5 ins. diam., brs. N. 43 $\frac{1}{4}$ ° W. .23 lks. dist. mkd. $\frac{1}{2}$ S 14 B T. No other trees within limits.	
40.50	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Leave draw course SW.
43.58	Ravine, course W. Desc. gradual slope, 43 ft. to
55.00	Wash, 25 lks. wide, 3 ft. deep, course SW.
67.30	Gulch, 150 lks. wide, 7 ft. deep, course SW. Asc. SE. slope 127 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, to solid rock, in a mound of stone, for cor. of secs. 11, 12, 13 and 14, mkd. on brass cap
T 8S R20W S11 S12 S14 S13 1916	
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling. Soil, rocky 4th rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood.	
East on a random line bet. secs. 12 and 13.	
40.00	Set temp. $\frac{1}{4}$ sec. cor. at a corner orig.
80.16	Intersect E. bdy. of Tp., 19 lks. S. of cor. of secs. 7, 12, 13 and 18, an iron post with brass cap, marked & witnessed, as described by the surveyor general. S. 89° 52' W. on a true line bet. secs. 12 and 13. Over rolling land, through scattering timber and undergrowth. Desc. 45 ft. to
2.30	Asc. 44 ft. to
7.50	Spur slopes N. Desc. 98 ft. to
13.90	Ravine, course SW. Thence over rolling S. slope.
33.15	Ravine, course S. Asc. 80 ft. to
40.08	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

Subdivision of a portion of Township 8 South, Range 20 West. 21

Chains.

S 12
S 13
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Ascend gradual slope, to
43.95 Spur, slopes SW. Descend 116 ft. to
59.55 Gulch, course S. Ascend 23 ft. to
64.00 Descend 34 ft. to
65.28 Ravine, 15 ft. deep, course S. Ascend 139 ft. to
76.09 Spur, slopes SW. Descend 58 ft. to
79.05 Ravine, course S.
80.16 The cor. of secs. 11, 12, 13 and 14.
Land, rolling,
Soil, rocky, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood.

N. 0° 1' W., bet. secs. 11 and 12.
Over rolling land, thru scattering timber and undergrowth.
Ascend 31 ft. to

6.50 Descend 29 ft. to
12.75 Ravine, course SW. Ascend SE slope, 29 ft. to
14.10 Spur, slopes SW. Descend gradual slope, to
15.75 Ravine, 25 ft. deep, course SW. Descend 73 ft. to
26.39 Ravine, course W. Ascend gradual slope, 29 ft. to
29.00 Spur, slopes W. Descend 81 ft. to
31.32 Ravine 75 ft. deep, course SW.
37.17 Ravine 80 ft. deep, course W. Ascend 90 ft. to
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for 1/4 sec. cor., marked on brass cap,

S 11 1/4 | S 12
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.

Ascend 93 ft. to
42.65 Spur, slopes SW. Descend 149 ft. to
50.00 Ravine, course W. Ascend 101 ft. to
54.30 Spur, slopes SW. Descend NW slope, 134 ft. to
70.67 Gulch, course SW. Ascend gradual slope to
78.25 Ravine, course SW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., .16 ins. in
the ground, to solid rock, in a mound of stone, for cor.
of secs. 1, 2, 11 and 12, marked on brass cap,

T8 S R20W
S 2 | S 1
S 11 | S 12
1916

and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Land, rolling and hilly.
Soil, rocky, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood.

Note: On account of secs. 1 and 12, being rough, mountainous
land, containing neither agricultural nor grazing land,
I omit the subdivisional line, bet. secs. 1 and 12.

N. 0° 1' W., on a random line, bet. secs. 1 and 2.
40.00 Set temp. 1/4 sec. cor.
80.49 Intersect N. bdy. of Tp., 29 lks. W. of cor. of secs. 1, 2, 35 and
36, hereinbefore described.

22. Subdivision of portion of Township 8 South, Range 20 West.

Chains.

- Thence,
S. 0° 11' W., on a true line, bet. secs. 1 and 2.
Over rolling, mountainous land, through scattering timber
and undergrowth.
Ascend N. slope, 94 ft. to
6.08 Spur, slopes W. Descend 317 ft. to
16.34 Rocky gulch, course W. Ascend 74 ft. to
27.89 Spur, slopes SW. Descend 117 ft. to
32.69 Ravine, course W. Ascend steep N. slope, 102 ft. to
37.19 Spur, slopes W. Descend 136 ft. to
40.34 Ravine, course W. Ascend 87 ft. to
40.49 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec cor. marked on brass cap,
- S2 $\frac{1}{4}$ S 1
1916
- and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W.
of cor.
Descend along W. slope, 137 ft. to
50.26 Ravine, course W. Ascend 231 ft. to
67.89 Descend along SE. slope, 225 ft. to
80.49 The cor. of secs. 1, 2, 11 and 12.
Land, rolling, mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood.
-
- From true point for cor. of secs. 2, 3, 34 and 35, on S bdy. of
Tp., hereinbefore described, (Witness cor. brs. E. 3:50 chs.
dist.)
N. 0° 1' W., bet. secs. 34 and 35.
Across Southern Pacific R.R. Co.'s yard at Ligurta Flag
Sta.
.12 Main line track brs. NW. and SE.
.34 Side track parallel to main line.
.52 Side track parallel to main line.
.57 Telegraph line brs. NW. and SE.
.87 Fence brs. NW. and SE. thence over gently rolling land,
thru. scattering timber and undergrowth.
4.00 Section house brs. W. about 30 lks. dist.
4.12 Cor. of fence, brs. E. 250 lks. dist. Fence brs. NE., SW. and SE.
4.55 Fence brs. NW. and SE. Leave R.R. yard property.
8.25 Road brs. NE. and SW.
11.70 Wash, 30 lks. wide, 2 ft. deep, course NE.
19.65 Road brs. E* and W.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- S34 $\frac{1}{4}$ S35
1915
- dig pits 18x18x12 ins., N. and S of post, 3 ft. dist.,
and raise a mound of earth 3 ft. base, 1 $\frac{1}{2}$ ft. high, W.
of cor.
41.20 Old R.R. grade, brs. E. and W.
42.60 Road brs. E* and W.
44.00 Enter land, subject to overflow.
Thence thru. dense undergrowth.
44.50 Fence brs. E and W.
47.35 Left bank of dry channel of Gila river; 15 ft. high, brs. E. & W.
52.30 Right bank of river, banks 6 ft. high, brs. E* and W.
Thence over land, subject to overflow.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 26, 27, 34 and 35, marked on
brass cap,

Subdivision of portion of T. 8 S., R. 20 W.

Chains

T 8S R20W
S27|S26
S34|S35
1915

from which,
A cottonwood, 8 ins. diam., brs. N. 55 $\frac{1}{4}$ ° E.
110 lks. dist. mkd. T. 8 S R 20 W S 26 B T.
A cottonwood, 7 ins. diam., brs. S. 37 $\frac{3}{4}$ ° E.
75 lks. dist. mkd. T 8 S R 20 W S 35 B T.
A cottonwood, 9 ins. diam., brs. S. 79 $\frac{1}{2}$ ° W.
482 lks. dist. mkd. T 8 S R 20 W S 34 B T.
A cottonwood, 10 ins. diam., brs. N. 72 $\frac{1}{2}$ ° W.
247 lks. dist. mkd. T 8 S R 20 W S 27 B T.

Land, gently rolling.
Soil, sandy 2nd rate to 44 chs.; remainder 1st rate.
Timber, scattering mesquite willow and cottonwood.
Undergrowth, greasewood with arrowweed and mesquite
brush along river bottom.

40.00 East on a random line bet. secs. 26 and 35.
Set temp. $\frac{1}{4}$ sec. cor.
79.95 Intersect N. and S. line, 2 lks. N. of cor. of secs.
25, 26, 35 and 36.

Thence
N. 89° 59' W. on a true line bet. secs. 26 and 35.

Across overflow land.

39.97 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 26
 $\frac{1}{4}$
S 35
1915

from which,
A cottonwood, 10 ins. diam., brs. N. 22° E.
296 lks. dist. mkd. $\frac{1}{4}$ S 26 B T.
A cottonwood, 10 ins. diam., brs. S. 67° W.
90 lks. dist. mkd. $\frac{1}{4}$ S 35 B T.

79.95 The cor. of secs, 26, 27, 34 and 35.
Land, gently rolling.
Soil, alluvial, sandy, 1st rate.
Timber, scattering mesquite and cottonwood.
Undergrowth, dense willow and mesquite and cottonwood.

31.90 N. 0° 1' W. bet. secs. 26 and 27.
Over level overflow land, through scattering timber and
undergrowth.
40.00 Leave land, subject to overflow, NW. and SE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S27 $\frac{1}{4}$ |S26.
1915

from which,
A mesquite, 10 ins. diam., brs. N. 84° W. 49 lks.
49 lks. dist. mkd. $\frac{1}{4}$ S 27 B T.
No other trees within limits.
Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, W. of cor.

24

Subdivision of portion of T. 8 S., R. 20 W.

Chains
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, mkd. on brass cap

T 8S R20W
S22|S23
S27|S26
.1915

from which,

A mesquite, 7 ins. diam., brs. S. $20\frac{1}{2}^\circ$ E.
208 lks. dist. mkd. T 8 S R 20 W S 26 B T.

No other trees within limits.

Dig pits, 18 X 18 X 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, 1st rate.

Timber, scattering willow mesquite and cottonwood.

Undergrowth, dense mesquite undergrowth.

40.00
79.92

East on a random line bet. secs. 23 and 26.

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

Intersect N. and S. line, 19 lks. N. of cor. of secs. 23, 24, 25 and 26.

Thence

N. $89^\circ 52'$ W. on a true line bet. secs. 23 and 26.

Over level land, through scattering timber and undergrowth.

39.60
39.96

Road brs. NW. and SE.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 23
 $\frac{1}{4}$
S 26
1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

60.67
79.71

Road brs. NW. and SE.

Fence brs. N. and S. Fence cor. brs. S. 20 lks. dist. from which fence brs. N. and S.

79.92

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

Land, level.

Soil, 1st rate.

Timber, scattering mesquite.

Undergrowth, dense mesquite.

20.00

N. $0^\circ 1'$ W. bet. secs. 22 and 23.

Over gently rolling land, through scattering timber and undergrowth.

Row of fence posts brs. E. and W. Fence cor. brs. E. 25 lks. dist., from which, fence brs. N., S., E. and W.

38.40
39.80

Road brs. NW. and SE.

Cor. of fence brs. E. 25 lks. dist. from which, fence brs. N. S. and E.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

Subdivision of portion of T. 8 S., R. 20 W.

Chains

S22 1/4 | S23
1916

41.00 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 79.82 dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.
 80.00 high, W. of cor.
 Road brs. NW. and SE.
 Fence brs. E. and W.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 14, 15, 22 and 23, mkd.
 on brass cap

T 8S R20W
S15 | S14
S22 | S23
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
 W. of cor.
 Land, level and gently rolling.
 Soil, sandy 1st rate.
 Timber, scattering mesquite.
 Undergrowth, dense mesquite brush.

40.00 East on a random line bet. secs. 14 and 23.
 80.08 Set temp. 1/4 sec. cor.
 Intersect N. and S. line, 10 lks. N. of cor. of secs.
 13, 14, 23 and 24.
 Thence
 N. 89° 56' W. on a true line bet. secs. 14 and 23.
 Over gently rolling land, through scattering timber and
 undergrowth.
 9.08 Enter series of washes, 2 ft. deep, course SW.
 10.58 Fence brs. NW. and SE.
 16.68 Leave washes course SW.
 40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., mkd. on brass cap

S 14
1/4
S 23
1916

40.13 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 56.08 dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.
 79.87 high, N. of cor.
 80.08 Fence brs. N. and S.
 Road brs. NW. and SE.
 Fence brs. N. and S.
 The cor. of secs. 14, 15, 22 and 23.
 Land, level and gently rolling.
 Soil, 1st rate.
 Timber, scattering mesquite.
 Undergrowth, mesquite brush.

17.10 N. 0° 1' W. bet. secs. 14 and 15.
 39.80 Over level land, through scattering timber and under-
 40.00 growth.
 Road brs. NW. and SE
 Fence brs. E. and W.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., mkd. on brass cap

S15 1/2 | S14
1916

Chains

from which,

A mesquite, 7 ins. diam., brs. S. $17\frac{1}{2}^\circ$ E.
34 lks. dist. mkd. $\frac{1}{4}$ S 14 B T.

A mesquite, 6 ins. diam., brs. S. $33\frac{1}{2}^\circ$ W.
7 lks. dist. mkd. $\frac{1}{4}$ S 15 B T.

50.00 Freeman's house brs. N. 78° W. about 25 chs. dist.

63.95 Fence brs. NW. and SE.

Enter palo verde and iron wood timber.

76.50 Series of washes course SW.

78.40 Road brs. NW. and SE. and leave series of washes.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 10, 11, 14 and 15, mkd.
on brass cap

T 8S R20W
S10|S11
S15|S14
1916

from which,

An iron wood, 8 ins. diam., brs. S. 69° E.
55 lks. dist. mkd. T 8 S R 20 W S 14 B T.

No other trees within limits.

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

Soil, 1st rate.

Timber, scattering mesquite and palo verde and iron wood.

Undergrowth, mesquite brush.

East on a random line bet. secs. 11 and 14.

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

80.27 Intersect N. and S. line, 7 lks. N. of cor. of secs. 11,
12, 13 and 14.

Thence

N. $89^\circ 57'$ W. on a true line bet. secs. 11 and 14.

Over rough land, through scattering timber and under-
growth.

Asc. 34 ft. to

6.00 Desc. 84 ft. to

10.00 Asc. gradual slope to

16.27 Spur slopes SW. Desc. 67 ft. to

20.77 Ravine, course SW. Asc. 63 ft. to

24.27 Spur slopes S. Desc. 51 ft. to

28.97 Ravine, course SW. Asc. 14 ft. to

32.57 Spur slopes S. Desc. gradual slope to

35.05 Ravine, course SE. Asc. 86 ft. to

38.22 Spur slopesqSE. Desc. gradual slope.

40.13¹ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 11
 $\frac{1}{4}$
S 14
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

Desc. to

45.87 Ravine, course S.

56.37 Draw, course S. Thence over rolling land.

74.27 Series of washes course SW.

78.00 Leave washes course SW.

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

Land, rolling.

Soil, rocky 3rd rate.

Timber, scattering palo verde and iron wood.

Undergrowth, greasewood.

Subdivision of portion of T. 8 S., R. 20 W.

Chains

N. 0° 1' W. bet. secs. 10 and 11.
 Over rolling land, through scattering timber and undergrowth.
 Asc. gradual slope over rocky flat.
 5.50 Leave rocky flat. Thence over rolling hills draining S.
 Desc. 17 ft. to
 15.60 Ravine, course SW.
 31.00 Ravine, 10 ft. deep, course SW.
 39.00 Ravine, 5 ft. deep, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap.

S10 $\frac{1}{4}$ | S11
 1916

from which,
 An iron wood, 24 ins. diam., brs. S. 12° W.
 86 lks. dist. mkd. $\frac{1}{4}$ S 10 B T.

No other trees within limits.
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 40.95 Ravine, 6 ft. deep, course SW. Thence over mesa to
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, mkd. on brass cap

T 8S R20W
 S 3 | S 2
 S10 | S11
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, rocky, 3rd rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, sahuaro and greasewood.

40.00 East on a random line bet. secs. 2 and 11.
 80.09 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 3 lks. N. of cor. of secs. 1, 2, 11 and 12.
 Thence
 N. 89° 59' W. on a true line bet. secs. 2 and 11.
 Over rolling and hilly land, through scattering timber and undergrowth.
 6.30 Asc. E. slope, 97 ft. to
 11.50 Spur slopes S. Desc. 63 ft. to
 13.50 Asc. 62 ft. to
 19.00 Spur slopes S. Desc. 15 ft. to
 21.50 Asc. 56 ft. to
 28.50 Spur slopes S. Desc. 102 ft. to
 Ravine, course S. Asc. along rolling S. slope, along foot of mountains 29 ft. to
 40.04 $\frac{1}{4}$ Set an iron post, 3 ft. long, 1 in. diam., 7 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 2
 $\frac{1}{4}$
 S 11
 1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Desc. gradual slope to
 47.69 Ravine, course S. Asc. 162 ft. to
 53.99 Spur slopes S. Desc. 13 ft. to
 58.00 Asc. 34 ft. to
 60.59 Spur slopes S. Desc. NW. slope to

Chains	
72.09	Thence over rolling land to
80.09	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling and hilly.
	Soil, rocky, 4th rate,
	Timber, scattering palo verde and iron wood.
	Undergrowth, greasewood.
	N. 0° 1' W. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.34	Intersect N. bdy. of Tp., 46 lks. W. of cor. of secs. 2, 3, 34 and 35, hereinbefore described.
	Thence
	S. 0° 19' W. on a true line bet. secs. 2 and 3.
	Over rolling hilly land, through scattering timber and undergrowth.
	Desc. 37 ft. to
5.34	Ravine, 15 ft. deep, course SW.
14.64	Ravine, 20 ft. deep, course SW.
	Foot of mountains brs. E. and W. Asc. gradual slope to
17.74	Spur slopes W. Desc. gradual slope to
22.74	Ravine, course W. Asc. 40 ft. to
29.10	Spur slopes W. Thence over gently rolling land to
40.34	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap.
	S 3 $\frac{1}{4}$ S 2 1916
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Desc. 76 ft. to
48.10	Ravine, course SW. Asc. 23 ft. to
66.85	Gulch, course W. Desc. over rolling land to
76.30	Ravine, course W. Desc. gradual slope to
80.34	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling and hilly.
	Soil, rocky, 4th rate.
	Timber, scattering palo verde and iron wood.
	Undergrowth, greasewood and ocotillos.
	From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., hereinbefore described,
	N. 0° 2 $\frac{1}{2}$ ' W. bet. secs. 33 and 34.
	Over gently rolling land, through scattering timber and undergrowth.
	Along rocky wash, course N.
7.00	Leave wash, course from NE.
31.70	Ravine, course NE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap.
	S 33 $\frac{1}{4}$ S 34 1916
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
42.80	Ravine, 10 ft. deep, course NE.
53.30	Ravine, 20 ft. deep, course NE.
55.00	Enter draw, course NE.
75.60	Leave draw course NE.
78.80	Telephone line brs. NW. and SE.
79.40	Fence brs. NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in ground for cor. of secs. 27, 28, 33 and 34, mkd. on brass cap.

Subdivision of portion of Township 8 South, Range 20 West. 29.

Chains.

T 8S R20W
S28 S27
S33 S34
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, gently rolling.
Soil, stone, conglomerate formation, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood and ocotillos.

- 40.00 East, on a random line, bet. secs. 27 and 34.
- 40.00 Set temp. ¼ sec. cor.
- 80.08 Intersect N. and S. line, at cor. of secs. 26, 27, 34 and 35.
- Thence West, on a true line, bet. secs. 27 and 34.
- Over level land, thru. scattering timber, and dense undergrowth.
- 24.30 Right bank of dry channel of Gila river, 6 ft. high, brs. NW. and SE.
- 40.04 True point for ¼ sec. cor. falls in dry bed of Gila river.
- 48.87 Old left bank of Gila river, 5 ft. high, brs. NW. and SE.
- 49.57 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to ¼ sec. cor., marked on brass cap,

S 27
S 34
1916

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

- 54.07 Leave land, subject to overflow, brs. NW. and SE.
- Thence over gently rolling land.
- 66.10 Old R.R. grade, brs. NW. and SE.
- 70.17 Road brs. NW. and SE.
- 72.00 Wash, 30 lks. wide, 3 ft. deep, course N.
- 76.15 Fence brs. NW. and SE.
- 77.35 Telegraph line, brs. NW. and SE.
- 78.54 S.P.R.R. brs. NW. and SE.
- 79.60 Block signal, line, brs. NW. and SE.
- 80.08 The cor. of secs. 27, 28, 33 and 34.
- Land, level, subject to overflow, to 54.00 chs. Last 26.07 chs. rolling land.
- Soil, 1st rate.
- Timber, scattering willow and mesquite.
- Undergrowth, mesquite brush.

N. 0° 2' W., bet. secs. 27 and 28.
Over gently rolling mesa, thru. scattering timber and undergrowth.

- .38 Block signal, line, brs. NW. and SE.
- 1.10 S.P.R.R. brs. NW. and SE.
- 1.85 Telegraph line, brs. NW. and SE.
- 2.95 Fence, brs. NW. and SE.
- 6.25 Road, brs. NW. and SE.
- 7.60 Old R.R. grade, brs. E. and W.
- 8.18 Old R.R. grade, brs. E. and W.
- State highway in course of construction, brs. NW. and SE.
- 11.00 Over level land, thru. dense undergrowth.
- 20.25 Enter land, subject to overflow.
- 35.20 Present left bank of Gila river, course from SE. to N.
- Bank of river, 5 ft. high, brs. NW. and SE. At foot of bank, the water channel turns N. from SE., and continues N. for about three quarters of a mile, thus rendering the continuation of the survey of the line by chain measurement impracticable.
- As the true point for the ¼ sec. cor. will fall in the water, return to
- 34.60 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for witness corner to ¼ sec. cor., marked on brass

39. Subdivision of portion of Township 8 South, Range 20 West.

Chains.

cap,

WC¹
S28 | S27
1916

from which,

A mesquite, 8 ins. diam., brs. S⁷⁹¹/₂°W., 192 lks. dist., marked WC¹ S 28 B.T.

No other trees within limits. Dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist.; and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high, W. of cor.

From this witness cor. project the sec. line by means of triangulation as shown on accompanying diagram and described as follows:

Leave flag on witness cor. designated as Station "A."

From a point on right bank of river, designated as Sta. "B," flag brs. S. 68° 24' W.

From Sta. "B," measure a base line, N. 2° 30' W.

43.54 chs. to station "C." At this point, set a stake for later reference in the survey of line bet. secs. 22 and 27. From this point flag at Sta. "A" brs. S. 3° 49' W.

True point for cor. of secs. 21, 22, 27 and 28 falls in water channel of river.

Set a flag on right bank of river approximately N. of the sec. cor. point at station "E"

From sta. "C" lay off a base line N. 30° 9' E., 8.66 chs. to sta. "D."

From sta. "D" the flag sta. "E" brs. N. 35° 47' W.

From sta. "C" the flag sta. brs. N. 9° 35' W.

The conversion of the above compound triangulation into a traverse bet. witness cor. at sta. "A" and flag at station "E" is computed as follows:

The included angles of triangle A-B-C are 64° 35', 109° 06' and 6° 19', the sum of which is 180° 00'.

The included angles of triangle C-D-E are 39° 44', 114° 04' and 26° 12', the sum of which is 180° 00'.

Length of line A-B = $\frac{\text{base} \times \sin 6^\circ 19'}{\sin 64^\circ 35'}$ or $\frac{11002 \times 43.54}{.90321} = 5.30$ chs.

Length of line C-E = $\frac{\text{base} \times \sin 114^\circ 4'}{\sin 26^\circ 12'}$ or $\frac{.91307 \times 8.66}{.44151} = 17.91$ chs

Traverse A-B-C-E is therefore tabulated as follows:

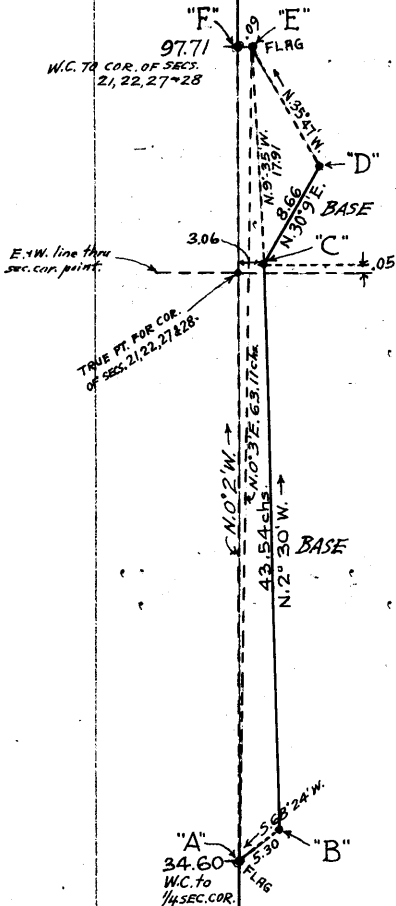
Line designated.	Bearing.	Length	Latitudes.		Departures.	
			N.	S.	E.	W.
A-B	N. 68° 24' E.	5.30	1.95		4.93	
B-C	N. 2° 30' W.	43.54	43.50			1.90
C-E	N. 9° 35' W.	17.91	17.66			2.98
Totals.			63.11	00.00	4.93	4.88
			00.00		4.88	
Northing,			63.11			
Easting,					0.05	

From above traverse table, the true course and length of line A-E is found to be N. 0° 3' E., 63.11 chs.

In order to locate witness cor. to cor. of secs. 21, 22, 27 and 28 on line N. 0° 2' W. from the witness cor. to $\frac{1}{4}$ sec. cor. of secs. 27 and 28, compute the length of line E-F as shown on diagram to be 9 lks.

As the length of line A-E is 63.11 chs., the section line projected from sta. "A" to sta. "F" will be N. 0° 2' W., 63.11 chs., which length added to 34.60 chs. (dist. of sta. "A" from cor. of secs. 27, 28, 33 and 34) = 97.71 chs. The dist. from the sec. cor. point to witness cor. at sta. "F" will be 97.71 chs. - 80.00 chs. = 17.71 chs.

Therefore, at a point 9 lks. W. of flag at sta. "E" and 17.71 chs. N. 0° 2' W. of sec. cor. point, or as a continuation



Subdivision of a portion of Township 8 South, Range 20 West. 31

Chains.

97.71 of measurement of line, bet. secs. 27 and 28, at Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for witness cor. to cor. of secs. 21, 22, 27 and 28, marked on brass cap.

T 8 S R 20 W
S 21 S 22
W C

S 28 S 27
1916

from which,
A mesquite, 10 ins. in diam., brs. N. 71° E., 135 lks. dist., marked W C T 8 S R 20 W S 22 B T.

No other trees within limits. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level river bottom and water surface.
Soil, loam, 1st rate. Timber, scattering mesquite and willow.
Undergrowth, scattering mesquite brush.

From the cor. of secs. 22, 23, 26 and 27, West, on a random line, bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

77.01 Fall 23 lks. S. of stake left on right bank of Gila river in the triangulation of line bet. secs. 27 and 28. This stake is designated on the diagram hereinbefore shown, as sta. "C." This point is shown to be 5 lks. N. of an E. and W. line, drawn thru. the sec. cor. point, and 3.06 chs. E. of said cor. point. Therefore, the falling of the line bet. secs. 22 and 27 if projected to the cor. point, would be 23 lks. - 5 lks. = 18 lks., resulting in a true course and length for this line of S 89° 52' E., 80.07 chs.

From a point 5 lks. S. of stake, and 3.06 chs. S. 89° 52' E. of sec. cor. point, on right bank of Gila river, brs. N. and S., S. 89° 52' E., on a true line, bet. secs. 22 and 27.

Continuing measurement from sec. cor. point.
Over level river bottom land, subject to overflow.

12.87 Old bank of river and slough, brs. NE. and SW., 3 chs. wide.

17.37 Old right bank of river, 6 ft. high, brs. NW and SE. Leave overflow land.

40.03 1/2 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

S 22

S 27
1916

from which,
A mesquite, 14 ins. in diam., brs. S. 28 1/2° W., 155 lks. dist., marked 1/4 S 27 B T.

No other trees within limits.
Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

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

Land, level river bottom subject to overflow.
Soil, sandy loam, 1st rate. Timber, scattering mesquite.
Undergrowth, dense mesquite and arrowweed.

N. 0° 2' W., bet. secs. 21 and 22, from true point for cor. of secs. 21, 22, 27 and 28. Over running water of Gila river, measurement by triangulation as hereinbefore described and illustrated in notes of survey of line, bet. secs. 27 and 28.

17.40 Right bank of Gila river, 10 ft. high, brs. NW. and SE. Thence over level land.

17.71 Witness cor. to cor. of secs. 21, 22, 27 and 28, hereinbefore described. Thence continue measurement by chaining.

40.00 Set an iron post, 3 ft long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. marked on brass cap,

S 21 S 22

1916

dig pits, 18x18x12 ins. N. and S of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

32. Subdivision of a portion of Township 8 South, Range 20 West.

Chains.	
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap, $\begin{array}{r} T8 \ S \ R20W \\ S16 \ S15 \\ \hline S21 \ S22 \\ 1916 \end{array}$ dig pits, 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. This cor. falls in road, which brs. NW. and SE. Land, level. Soil, sandy, 1st rate. Timber, scattering mesquite. Undergrowth, dense mesquite brush.

	East, on a random line, bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
79.87	Intersect N. and S. line, 27 lks. S. of cor. of secs. 14, 15, 22 and 23. Thence, $S 89^{\circ} 48' W.$, on a true line, bet. secs. 15 and 22. Over level land, thru. scattering timber and undergrowth.
39.30	Row of fence posts brs. N. and S.
39.93½	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, $\begin{array}{r} S 15 \\ \hline S 22 \\ 1916 \end{array}$ dig pits 18x18x12 ins., E* and W. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
79.87	The cor. of secs. 15, 16, 21 and 22. Land, level. Soil, sandy, 1st rate. Timber, scattering mesquite. Undergrowth, dense mesquite brush.

	N. 0° 2' W* bet. secs. 15 and 16. Over level land, thru. dense undergrowth.
.10	Fence brs. E and W.
19.20	Row of fence posts brs. E* and W.
39.60	Road brs. NE* and SW.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, $\begin{array}{r} S16 \ S15 \\ \hline 1916 \end{array}$ dig pits 18x18x12 ins. N. and S* of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
40.05	Fence brs. E and W.
44.75	Swale, 2 chs. wide, 8 ft. deep, course W.
71.50	Swale, 1 ch. wide, 7 ft. deep, course NW.
79.99	Row of fence posts, brs. E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap, $\begin{array}{r} T8 \ S \ R20W \\ S 9 \ S10 \\ \hline S16 \ S15 \\ 1916 \end{array}$ dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy 1st rate. Timber, scattering mesquite. Undergrowth, dense mesquite brush.

	East, on a random line, bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line, 23 lks. S. of cor. of secs. 10, 11, 14 and 15. Thence, $S. 89^{\circ} 50' W.$, on a true line, bet. secs. 10 and 15. Over level land, thru. scattering timber and undergrowth.

Chains	
2.80	Road brs. NW. and SE.
19.60	Fence brs. NW. and SE.
19.85	Fence brs. N. and S.
38.95	Fence brs. N. and S.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	S 10 $\frac{1}{4}$ S 15 1916
	from which, A mesquite, 8 ins. diam., brs. S. $69\frac{1}{2}^{\circ}$ W. 179 lks. dist., mkd. $\frac{1}{4}$ S 15 B T.
	No other trees within limits.
	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.40	Road brs. NW. and SE.
46.20	Road brs. NW. and SE.
79.70	Fence brs. N. and S.
79.90	The cor. of secs. 9, 10, 15 and 16. Land, level. Soil, sandy, 1st rate. Timber, scattering mesquite. Undergrowth, dense mesquite brush.
	N. $0^{\circ} 2'$ W. bet. secs. 9 and 10. Over level land, through dense undergrowth.
26.10	Enter cleared land brs. E. and W.
38.50	Old well brs. W. about 2 chs. dist.
39.90	Road brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap
	S $9\frac{1}{4}$ S 10 1916
	dig pits, 18 X 18 X 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
48.90	Leave cleared land, brs. NW. and SE.
59.80	Fence brs. E. and W.
61.00	Road brs. NW. and SE.
70.00	Leave dense undergrowth, enter scattering undergrowth and timber.
74.20	Road brs. NW. and SE.
76.00	Enter series of small washes course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, mkd. on brass cap
	T 8S R20W. S 4 S 3 S 9 S 10 1916
	from which, An iron wood, 14 ins. diam., brs. N. 83° W. 19 lks. dist. mkd. T 8 S R 20 W S 4 B T.
	No other trees within limits.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Land, level to 70 chs.; last 10 chs. gently rolling.
	Soil, sandy 1st rate on level land, gravelly 2nd rate on rolling land.
	Timber, scattering mesquite, palo verde and iron wood.
	Undergrowth, greasewood and mesquite brush.

34

Subdivision of portion of T. 8 S., R. 20 W.

Chains

East on a random line bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 23 lks. S. of cor. of secs., 2,
 3, 10 and 11.
 Thence
 S. $89^{\circ} 50'$ W. on a true line bet. secs. 3 and 10.
 Over gently rolling land, through scattering timber and
 dense undergrowth.
 Desc. gradual slope to
 24.50 Wash, 2 chs. wide, 4 ft. deep, course SW.
 30.50 Wash, 40 lks. wide, 18 ins. deep, course SW.
 39.99 Set an iron post, 3 ft. long, 2 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 3
 $\frac{1}{4}$
 S 10
 1916

from which,
 An iron wood, 14 ins. diam., brs. S. $71\frac{1}{2}^{\circ}$ E.
 240 lks. dist. mkd. $\frac{1}{4}$ S 10 B T.
 No other trees within limits.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 45.00 Small spur slopes SW. Desc. gradual slope to
 53.80 Wash, 60 lks. wide, 1 ft. deep, course SW.
 69.75 Over series of small washes to
 79.98 The cor. of secs 3, 4, 9 and 10.
 Land, rolling.
 Soil, gravelly 2nd rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, sahuaro.

N. $0^{\circ} 2'$ W. on a random line bet. secs. 3 and 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.52 Intersect N. bdy. of Tp., 51 lks. W. of cor. of secs.
 3, 4, 33 and 34, hereinbefore described.
 Thence
 S. $0^{\circ} 19'$ W. on a true line bet. secs. 3 and 4.
 Over gently rolling land, through scattering timber and y
 undergrowth.

2.10 Ravine 10 ft. deep, course W.
 16.70 Ravine, 15 ft. deep, course SW.
 31.70 Wash, 2 chs. wide, 12 ft. deep, course, SW.
 40.52 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S $4\frac{1}{4}$ | S 3
 1916

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

43.90 Ravine, 25 ft. deep, course SW.
 57.60 Ravine, course SW.
 67.40 Wash, 30 lks. wide, 4 ft. deep, course SW.
 80.00 Wash, 25 lks. wide, 2 ft. deep, course SW.
 80.52 The cor. of secs, 3, 4, 9 and 10.
 Land, rolling.
 Soil, rolling hills to 60 chs. gravelly, 3rd rate, remainder
 gravelly 2nd rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, scattering greasewood and scrub palo verde.

subdivision of portion of Township 8 South, Range 20 West 35

Chains. From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp. hereinbefore described, N. 0° 2' W., bet. secs. 32 and 33.

Over rolling, hilly land, thru scattering timber and undergrowth. Descend along broken NW slope, 273 ft. to 8.90 Gulch, course NE. Ascend 61 ft. to 12.30 Spur, slopes NE. Descend gradual slope, to 14.30 Rocky gulch, course NE. Ascend NE slope, to 19.00 Spur, slopes NE. Descend to 20.00 Ravine, course NE. Ascend gradual slope, to 26.15 Spur, slopes NE. Descend 153 ft. to 31.10 Ravine, course E. Ascend S. slope, 180 ft. to 35.32 Spur, slopes NE. Descend N. slope, 113 ft. to 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., marked on brass cap, S 32 S 33 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Descend N. slope, 129 ft. to 49.96 Ravine, course E. Ascend 33 ft. to 52.25 Spur, slopes E. Descend 45 ft. to 54.46 Ravine, course E. Ascend gradual slope to 56.25 Spur, slopes E. Descend 34 ft. to 59.50 Foot of mountains brs. E. and W. 59.85 Rocky gulch, course E. Thence over nearly level land, thru scattering timber and dense undergrowth. 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap, T 8 S R 20 W S 29 S 28 S 32 S 33 1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, rolling and hilly. Soil, rocky, 4th rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood and ocotillo.

----- East, on a random line, bet. secs. 28 and 33. 40.00 Set temp. 1/4 sec. cor. 80.01 Intersect N. and S. line, 3 lks. S. of cor. of secs. 27, 28, 33 and 34. Thence, S. 89° 59' W., on a true line, bet. secs. 28 and 33. Over gently rolling, mesa land, thru scattering timber and undergrowth. .80 Fence, brs. NW and SE. Ascend 29 ft. to 1.40 Telephone line, brs. NW and SE. 11.00 Draw, course NE. 18.40 Wash, 150 lks. wide, 3 ft. deep, course NE. 36.25 Ravine, 15 ft. deep, course NE. 40.00 1/2 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., marked on brass cap, S 28 S 33 1916

and raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. 41.90 Wash, 75 lks. wide, 4 ft. deep, course NE. 80.01 The cor. of secs. 28, 29, 32 and 33. Land, rolling, rocky mesa. Soil, rocky, 4th rate, conglomerate formation. Timber, scattering palo verde and ironwood. Undergrowth, greasewood and ocotillos.

----- N. 0° 2' W., bet. secs. 28 and 29. Over gently rolling land, thru scattering timber & undergrowth. 15.60 Enter rocky wash, 10 ft. deep, course NE. 21.30 Leave same wash, course NE. 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the

36. Subdivision of a portion of Township 8 South, Range 20 West.

Chains

ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $S29\frac{1}{4} S28$
 1916

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

43.30 Ravine, course NE.

50.75 Ravine, course E.

56.60 Ravine, course NE.

64.10 Rocky gulch, course E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass

T8 S R20W
 $S20 S21$
 $S29 S28$
 1916

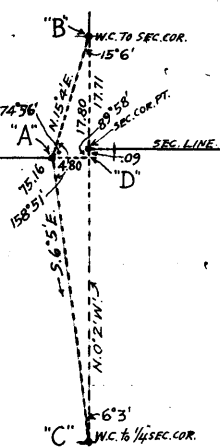
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, gently rolling. Soil, rocky, 3rd rate.
 Timber, scattering palo verde, and ironwood.
 Undergrowth, greasewood.

East, on a random line, bet. secs. 21 and 28.

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

75.16 Left bank of Gila river. Impracticable to continue chaining further east, and as sec. cor. point falls in water channel, make measurement thereto by triangulation, as illustrated by diagram and explanation, as follows:



From this point on random line, designated as sta. "A" on diagram, a flag on witness cor. to sec. cor. designated as sta. "B" brs. N. $15^{\circ}4'E$.

From sta. "A" a flag set at witness cor. to $\frac{1}{4}$ sec. cor. of secs. 27 and 28, designated as sta. "C" brs. S. $6^{\circ}5'E$.

From previous triangulation, line C-D-B is found to be N. $0^{\circ}2'W$, 63.11 chs.

The included angles of the triangle A-B-C are $158^{\circ}51'15''$ and $6^{\circ}3'$, the sum of which is $180^{\circ}00'$.

Point where random line projected intersects the sec. line projected is designated as sta. "D."

$$\text{Line AD} = \frac{63.11 (\sin 6^{\circ}3')}{(\sin 158^{\circ}51') (\sin 89^{\circ}58')} \times \sin 15^{\circ}6'$$

$$\text{or}$$

$$\frac{63.11 \times .10540}{.36081 \times 1.00000} \times .26022 = 4.80 \text{ chs.}$$

$$\text{Line BD} = \frac{63.11 (\sin 6^{\circ}3')}{(\sin 158^{\circ}51') (\sin 89^{\circ}58')} \times \sin 74^{\circ}36'$$

$$\text{or}$$

$$\frac{63.11 \times .10540}{.36081 \times 1.00000} \times .96562 = 17.80 \text{ chs.}$$

Witness cor. to cor. of secs. being 17.71 chs. N. $0^{\circ}2'W$. from the cor. point, the falling of the random sec. line projected will be 17.80 chs. - 17.71 chs. = 9 lks. S. of cor. point. The true course of line bet. secs. 21 and 28 is therefore S. $89^{\circ}56'W$, and the length 79.96 chs. (75.16 chs. + 4.80 chs.)

From true point for sec. cor., S. $89^{\circ}56'W$, on true line, bet. secs. 21 and 28.

Over running water of Gila river, course N., measurement by triangulation.

4.80 Left bank of Gila river, 4 ft. high, brs. N. and S. Thence chaining measurement over level land, subject to overflow.

39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap;

S 21
 $\frac{1}{4}$
 $S 28$
 1916

Subdivision of portion of T. 8 S., R. 20 W.

Chains

from which,
 A cottonwood, 12 ins. diam., brs. N. 24° W.
 117 lks dist. mkd. $\frac{1}{4}$ S 21 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor.
 46.46 Leave land, subject to overflow brs. NW. and SE.
 51.56 Old R. R. grade brs. NW and SE.
 52.96 Enter mess brs. N. and S.
 58.20 Road brs. NW. and SE.
 64.26 Fence brs NW and SE.
 65.67 Telegraph line brs. NW. and SE.
 66.60 S. P. R. R, brs. NW, and SE.
 67.70 Block signal line brs. NW. and SE.
 68.96 Fence brs. NW. and SE.
 89.23 Telephone line brs. NW. and SE.
 76.66 Ravine, 12 ft. deep, course N.
 79.96 The cor. of secs. 20, 21, 28 and 29.
 Land, level.
 Soil, 1st rate.
 Timber, scattering cottonwood.
 Undergrowth, greasewood.

N. 0° 2' W. bet. secs. 20 and 21.
 Over level land, through scattering timber and undergrowth
 9.65 Telephone line brs. NW. and SE.
 9.87 Fence brs. NW. and SE.
 11.05 Block signal line brs. NW. and SE.
 12.00 S. P. R. R. brs. NW and SE.
 12.90 Telegraph line brs. NW and SE.
 14.25 Fence brs. NW. and SE.
 20.00 Leave scattering undergrowth. Thence through dense under-
 growth.
 28.70 Road brs. NW. and SE.
 30.55 Old R. R. grade brs. NW and SE.
 32.70 Enter plowed land brs. NE and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S20 $\frac{1}{4}$ | S21
 1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, 11 ft.
 high, W. of cor.
 From this cor. B. D. Yost's tent house brs. S. 82° W.
 about 24 chs. dist.
 P. C. Richard's tent house brs. S. 86° W. about 22 chs.
 dist.
 43.40 Leave plowed land brs. NW. and SE. Thence over land,
 subject to overflow.
 55.00 Left bank of dry channel of Gila River. Banks 4 ft. high,
 brs. E. and W.
 62.80 Right bank of Gila River, 2 ft. high brs. E. and W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 16, 17, 20 and 21, mkd.
 on brass cap

T 8S R20W
 S17 | S16
 S20 | S21
 1916

from which,
 A cottonwood, 10 ins. diam., brs. N. 7 $\frac{1}{2}$ ° E.
 474 lks. dist. mkd. T 8 S R 20 W S 16 B T.

Chains

A cottonwood, 9 ins. diam., brs. S. 67° E.
 35 lks. dist. mkd. T 8 S R 20 W S 21 B T.
 A cottonwood, 10 ins. diam., brs. S. 3/4° W.
 404 lks. dist. mkd. T 8 S R 20 W S 20 B T.
 A cottonwood, 6 ins. diam., brs. N. 80 1/4° W.
 200 lks. dist. mkd. T 8 S R 20 W S 17 B T.
 Land, rolling hills to 20 chs. level land to 43 chs.,
 land subject to overflow to 80 chs.
 Soil, 3rd and 1st rates.
 Timber, scattering cottonwood and willow.
 Undergrowth, dense willow brush.

40.00 East on a random line bet. secs. 16 and 21.
 Set temp. 1/4 sec. cor.
 80.00 Intersect N. and S. line, 7 lks. N. of cor. of secs. 15,
 16, 21 and 22.
 Thence
 N. 89° 57' W. on a true line bet. secs. 16 and 21.
 Over level land, through scattering timber and undergrowth.
 19.83 Fence brs. N. and S.
 20.00 Road brs. NE. and SW.
 33.90 Road brs. NW. and SE. Enter land subject to overflow.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., mkd. on brass cap

S 16

1/4

S 21

1916

from which,

A mesquite, 14 ins. diam., brs. N. 83 1/2° E.
 182 lks. dist. mkd. 1/4 S 16 B T.
 A mesquite, 12 ins. diam., brs. S. 72 1/2° E.
 253 lks. dist. mkd. 1/4 S 21 B T.

80.00 The cor. of secs. 16, 17, 20 and 21.
 Land, level.
 Soil, 1st rate.
 Timber, scattering willow, mesquite and cottonwood.
 Undergrowth, dense willow and mesquite brush.

N. 0° 2' W. bet. secs. 16 and 17.
 Over level land, through scattering timber and under-
 growth.

20.30 Road brs. NW. and SE.
 39.76 Fence brs. E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for 1/4 sec. cor., mkd. on brass cap

S 17 1/4 | S 16

1916

from which,

A mesquite, 8 ins. diam., brs. N. 77° E.
 30 lks. dist. mkd. 1/4 S 16 B T.
 A mesquite, 8 ins. diam., brs. N. 71 1/2° W.
 76 lks. dist. mkd. 1/4 S 17 B T.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 8, 9, 16 and 17, mkd.
 on brass cap

T 8 S R 20 W

S 8 | S 9

S 17 | S 16

1916

Chains

from which,
 A mesquite, 6 ins. diam., brs. N. $40\frac{1}{4}^{\circ}$ E.
 59 lks. dist. mkd. T 8 S R 20 W S 9 B T.
 A mesquite, 5 ins. diam., brs. S. $5\frac{1}{2}^{\circ}$ E.
 118 lks. dist. mkd. T 8 S R 20 W S 16 B T.
 A mesquite, 7 ins. diam., brs. S. $32\frac{1}{2}^{\circ}$ W.
 46 lks. dist. mkd. T 8 S R 20 W S 17 B T.
 A mesquite, 8 ins. diam., brs. N. $57\frac{1}{2}^{\circ}$ W.
 74 lks. dist. mkd. T 8 S R 20 W S 8 B T.

Land, level.
 Soil, 1st rate.
 Timber, scattering mesquite.
 Undergrowth, dense willow and mesquite brush.

40.00 East on a random line bet. secs. 9 and 16.
 79.97 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, at the cor. of secs, 9, 10, 15
 and 16.
 Thence
 West on a true line bet. secs. 9 and 16.
 Over level land, through scattering timber and undergrowth.
 26.25 Enter land, subject to overflow.
 39.80 Fence brs. N. and S.
 39.98 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 9
 $\frac{1}{4}$
 S 16
 1916

79.97 from which,
 A mesquite, 7 ins. diam., brs. N. 60° E. 53 lks.
 53 lks. dist. mkd. $\frac{1}{4}$ S 9 B T.
 A mesquite, 5 ins. diam., brs. S. 34° E.
 26 lks. dist. mkd. $\frac{1}{4}$ S 16 B T.
 The cor. of secs. 8, 9, 16 and 17.
 Land, level. From 26 chs. to 80.00 chs. land subject to
 overflow.
 Soil, 1st rate.
 Timber, scattering mesquite.
 Undergrowth, dense willow and mesquite brush.

40.00 N. 0° 2' W. bet secs. 8 and 9.
 Over level land, through scattering timber and dense
 undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S $8\frac{1}{4}$ | S 9
 1916

56.30 from which, a
 A mesquite, 8 ins. diam., brs. S. $68\frac{1}{2}^{\circ}$ E.
 183 lks. dist. mkd. $\frac{1}{2}$ S 9 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor.
 59.90 Leave land subject to overflow, brs. E. and W.
 Cor of fence from which fence brs. N. and E.

40

Subdivision of portion of T. 8 S., R. 20 W.

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, mkd. on brass cap

T 8S R20W

S 5 | S 4

S 8 | S 9

1916

dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level, subject to overflow to 56 chs.; remainder nearly level land.

Soil, 1st rate.

Timber, scattering mesquite.

Undergrowth, dense willow mesquite and greasewood.

40.00

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

79.93

Set temp. ¼ sec. cor.

Intersect N. and S. line, 5 lks. S. of cor. of secs. 3, 4, 9 and 10.

Thence

S. 89° 58' W. on a true line bet. secs. 4 and 9.

Over gently sloping land, through scattering timber and undergrowth.

.75

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

8.00

Road brs. NW. and SE.

15.00

Enter level bottom land, road brs. NW and SE.

20.05

Row of fence posts brs. N. and S. 25.65

25.65

Road brs. NW. and SE.

34.70

Road brs. NW. and SE.

39.96½

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

S 4

¼

S 9

1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

40.00

Row of fence posts brs. N. and S.

56.23

Road brs. NW. and SE.

79.93

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

Land, rolling and level.

Soil, silt, 1st rate.

Timber, scattering mesquite.

Undergrowth, mesquite and greasewood.

40.00

N. 0° 2' W. on a random line bet. secs 4 and 5.

80.54

Set temp. ¼ sec. cor.

Intersect N. bdy. of Tp., 38 lks. W. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.

Thence

S. 0° 14' W. on a true line bet. secs. 4 and 5.

Over level land, through scattering timber and undergrowth.

20.75

Row of fence posts brs. E. and W.

33.00

Road brs. E. and W.

40.54

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

S 5¼ | S 4

1916

Subdivision of portion of T. 8 S., R. 20 W.

Chains
40.70
80.54

from which,
A mesquite, 11 ins. diam., brs. N. $83\frac{1}{2}^\circ$ W.
92 lks. dist. mkd. $\frac{1}{4}$ S 5 B T.
No other trees within limits.
Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high, W. of cor.
Road brs. NW. and SE.
The cor. of secs. 4, 5, 8 and 9.
Land, level.
Soil, 1st rate.
Timber, scattering mesquite,
Undergrowth, mesquite and greasewood.

15.05
16.50
19.50
22.15
25.30
30.25
38.97
40.00

On account of mountainous land in secs. 30, 31, and 32,
which is neither agricultural nor grazing, I omit survey
of subdivisional lines bet. secs. 31 and 32, and 30
and 31.
From the cor. of secs. 28, 29, 32 and 33, hereinbefore
described,
West on a true line bet. secs. 29 and 32.
Over rolling mountainous land, through scattering timber
and undergrowth.
Asc. NE. slope, 23 ft. to
Ravine, 10 ft. deep, course N.
Ravine, 12 ft. deep, course NE. Asc. 53 ft. to
Foot of mountains brs. NE. and SW. Thence asc. SE. slope
to
Spur slopes NE. Desc. 23 ft. to
Ravine, course NE. Asc. 67 ft. to
Spur slopes NE. Asc. 119 ft. to
Spur slopes N. Desc. 10 ft. to
Set an iron post, 3 ft. long, 1 in. diam., on bed rock,
in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass
cap

S 29
 $\frac{1}{4}$
S 32
1916

56.55
74.13
74.50
80.00

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
Desc. 245 ft. to
Canyon course NE. Thence desc. along broken S. slope, 245
ft. to
Asc. gradual slope to
Spur slopes NE. Desc. W. slope. 209 ft. to
Set an iron post, 3 ft. long, 2 ins. diam., on bed rock,
in a mound of stone, for cor. of secs. 29, 30, 31 and
32, mkd. on brass cap

T 8S R20W
S30|S29
S31|S32
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
SW. of cor. 7 ft. dist. (Impossible to raise mound
W. of cor. on account of slide rock.)
Land, rolling mesa to 20 chs.; last 60 chs. mountainous.
Soil, rocky, 3rd and 4th rates.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood.

Chains

N. 0° 3' W. bat. secs. 29 and 30.
Over rolling mountainous land, through scattering timber and undergrowth.

Asc. rocky S. slope, 71 ft. to
1.90 Desc. 200 ft. to
9.16 Gulch, course NE. Asc. 200 ft. to
16.42 Spur slopes NE. Desc. over broken slope to
27.80 Gulch, course NE. Asc. gradual slope to
39.71 Spur slopes E.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S30 $\frac{1}{4}$ |S29
1916

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

Asc. rocky SW. slope, 208 ft. to
47.28 Spur slopes E. Desc. N. slope, 198 ft. to
58.26 Spur slopes NE. Thence along rolling W. slope to
65.50 Ravine, 20 ft. deep, course NE. Leave mountains br. NE. and SW.

Thence over rolling mesa
76.84 Ravine, course E.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, mkd. on brass cap

T. 8S R20 W
S19|S20
S30|S29
1916

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

Land, mountainous to 65 chs.; 15 chs. rolling mesa.
Soil, rocky, 4th rate, in mountains, mesa 3rd rate.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood.

East on a random line bet. secs. 20 and 29.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.12 Intersect N. and S. line, 5 lks. N. of cor. of secs. 20, 21, 28 and 29.

Thence
N. 89° 58' W. on a true line bet. secs. 20 and 29.
Over rolling land, through scattering timber and undergrowth.

Asc. gradual NE. slope 34 ft. to
7.20 Wash, 150 lks. wide, 6 ft. deep, course NE.
25.50 Ravine, 20 ft. deep, course NE.
30.25 Ravine, 15 ft. deep, course NE.
38.25 Wash, 45 lks. wide, 3 ft. deep, course NE.
40.06 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 20
 $\frac{1}{4}$
S 29
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

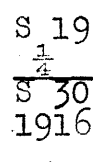
51.62 Ravine, 20 ft. deep, course N.
70.82 Rocky gulch, course NE.
Thence over rolling mesa to
80.12 The cor. of secs. 19, 20, 29 and 30.

Chains

Land, rolling.
Soil, rocky, 3rd rate.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood.

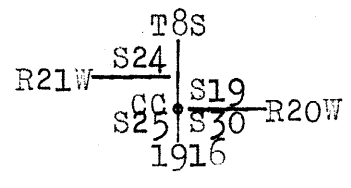
21.75
40.00

West on a true line bet. secs, 19 and 30.
Over mountainous land, through scattering timber and undergrowth.
Desc. gradual slope to
Gulch, course NE. Asc. SE. slope to
Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor. mkd. on brass cap



43.51
46.60
49.83

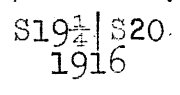
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Spur slopes NE.
Head of gulch, course N.
Intersect E. bdy. of T. 8 S., R. 21 W., 235 lks. N. of the $\frac{1}{4}$ sec. cor. of sec. 25, hereinbefore described.
At point of intersection Set an iron post, 3 ft. long, 2 ins. diam., 5 ins. in the ground, for C. C. of secs. 19 and 30, mkd. on brass cap



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
Land, rough mountainous.
Soil, rocky, 4th rate.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood and ocotillos.

5.35
11.75
31.25
40.00

From cor. of secs. 19, 20, 29 and 30,
N. $0^{\circ} 3'$ W. bet. secs. 19 and 20.
Over rolling land, through scattering timber and undergrowth.
Desc. gradual NE. slope over rolling mesa.
Ravine, 7 ft. deep, course NE.
Ravine, 8 ft. deep, course NE.
Ravine, 20 ft. deep, course NE.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap



46.00
62.10
63.65
63.90
64.90
65.65
66.24
67.33

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Wash, 105 lks. wide, 2 ft. deep, course NE.
Leave mesa, thence over level land.
Telephone line brs. NW. and SE.
Fence brs. NW. and SE.
Block signal line brs. NW. and SE.
S. P. R. R. brs. NW. and SE.
Telegraph line brs. NW. and SE.
Fence brs. NW. and SE.

Chains
80.00

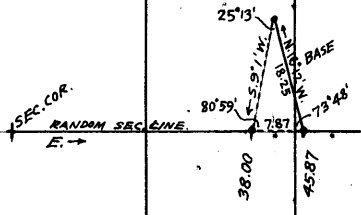
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, mkd. on brass cap

T 8S R20W
S18|S17
S19|S20
1916

dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
Land, rolling to 62 chs.; 18 chs. level.
Soil, 3rd rate on mesa; remainder 2nd rate.
Timber, scattering palo verde and iron wood.
Undergrowth, greasewood and ocotillos.

38.00

East on a random line bet. secs. 17 and 20.
Left bank of Gila River. Impossible to ford at this point. To determine the distance across river, I set a flag on line on E. bank of river, from which I lay off a base, N. 16° 12' W. 18.25 chs. From the northern end of this base, a flag set on left bank of river brs. S. 9° 11' W. From these bearings the angles are respectively 80° 59', 73° 48' and 25° 13' and the required distance is $\frac{\sin 25^\circ 13' \times 18.25}{\sin 80^\circ 59'} = \frac{.42604 \times 18.25}{.98764} = 7.87$ chs.



45.87
80.06

38.00+7.87 =
Right bank of Gila River.
Intersect N. and S. line, 10 lks. N. of cor. of secs. 16, 17, 20 and 21.

Thence
N. 89° 56' W. on a true line bet. secs. 17 and 20.
Over level river bottom land, through scattering timber and dense undergrowth.

10.17
34.19
40.03
41.27
42.06

Fence brs. NW. and SE.
Sand bar on right bank of Gila River; course of river, N.
True point for ¼ sec. cor., falls in river.
Left bank of river, bank 7 ft. high.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for W. C. to ¼ sec. cor., mkd. on brass cap

WC ¼° S17
S20
1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

57.70
62.50
74.80
80.06

Wagon road brs. NW. and SE.
Old R. R. grade and state highway in course of construction brs NW. and SE.
Old road brs. NW. and SE.
The cor. of secs. 17, 18, 19 and 20.
Land, level.
Soil, 1st rate.
Timber, scattering willow and cottonwood.
Undergrowth, mesquite brush.

West on a true line bet. secs. 18 and 19.
Over level land, through scattering timber and undergrowth.

10.02
11.00

Fence brs. NW. and SE.
Telegraph line brs. NW. and SE.

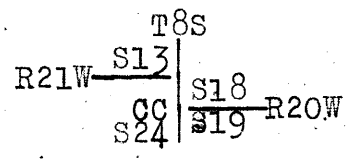
Subdivision of portion of T. 8 S., R. 20 W.

Chains
 11.60 S. P. R. R. brs. NW. and SE.
 12.29 Block signal line brs. NW. and SE.
 13.20 Fence brs. NW. and SE.
 13.97 Telephone line brs. NW. and SE.
 14.75 Leave level land. Asc. gradual E. slope, 69 ft. to
 23.57 Desc. to
 29.00 Gulch, course N.
 34.50 Gulch, course N. Asc. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in
 a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 18
 $\frac{1}{4}$
 S 19
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

40.19 Spur slopes SE. Thence along rocky cliffs sloping SE.
 48.48 Spur slopes SE. Thence along rocky cliffs sloping SE.
 49.90 Intersect E. bdy. of T. 8 S.; R. 21 W., 210 lks. N. of
 At the $\frac{1}{4}$ sec. cor., of sec. 24, hereinbefore described.
 Set an iron post, 3 ft. long, 2 ins. diam., on surface
 rock, in a mound of stone, for C. C. of secs. 18 and
 19, mkd. on brass cap



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 E. of cor.

Land, rolling mountainous.
 Soil, 15 chs. 1st rate, remainder rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

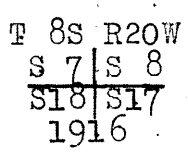
From cor. of secs. 17, 18, 19 and 20,
 N. $0^{\circ} 3'$ W. bet. secs. 17 and 18.
 Over level land, through scattering timber and under-
 growth.

8.70 Old road brs. NW. and SE.
 28.00 Old R. R. grade and state highway in course of construct-
 ion brs. NW. and SE.
 31.30 Present road brs. NW. and SE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S18 $\frac{1}{4}$ | S17
 1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor.

68.60 Enter land, subject to overflow, brs. NW. and SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 7, 8, 17 and 18, mkd.
 on brass cap



and raise a mound of stone

46

Subdivision of portion of T. 8 S., R. 20 W.

Chains

and dig pits, 18 X 18 X 12. ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, 1st rate, sandy.
 Timber, scattering mesquite.
 Undergrowth, mesquite brush.

14.60

East on a random line bet. secs. 8 and 17.
 Left bank of Gila River. To determine distance across river, I set a flag on line on the E. bank of river. From this point I lay off a base North, 10.00 chs., from which point the flag on left bank of river brs. S. 52° 37' W. From these bearings the angles are respectively 37° 23', 90°, and 52° 37', and the distance required is:

$$\frac{10.00}{\tan 37^\circ 23'} \text{ or } \frac{10.00}{.76410} = 13.08 \text{ chs. the required distance, which added to 14.60 chs. makes}$$

27.68

Right bank of river.

80.03

Intersect N. and S. line, 7 lks. S. of cor. of secs. 8, 9, 16 and 17.

Thence

S. 89° 57' W. on a true line bet. secs. 8 and 17.
 Over level bottom land, through scattering timber and dense undergrowth.

40.01½

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

$$\begin{array}{r} S \ 8 \\ \frac{1}{4} \\ \hline S \ 17 \\ 1916 \end{array}$$

from which,

A mesquite, 10 ins. diam., brs. N. 11½° W.
 27 lks. dist. mkd. ¼ S 8 B T.

A mesquite, 6 ins. diam., brs. S. 12½° E.
 38 lks. dist. mkd. ¼ S 17 B T.

52.45

Right bank of Gila River, course N., bank 3 ft. high.

65.53

Left bank of river, 6 ft. high.

79.90

Road brs. NW. and SE.

80.03

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

Land, level.

Soil, 1st rate.

Timber, scattering mesquite.

Undergrowth, dense mesquite brush.

West on a true line bet. secs. 7 and 18.

Over level land, through scattering timber and undergrowth.

3.40

Old R. R. grade and State highway in course of construction brs. N. and S.

4.40

Present wagon road brs. N. and S.

7.80

Leave level land subject to overflow and asc. gradual slope.

8.25

Fence brs. N. and S.

9.20

Telegraph line brs. N. and S.

9.78

S. P. R. R. brs. N. and S.

10.45

Block signal line brs. N. and S.

11.32

Fence brs. N. and S.

11.46

Telephone line brs. N. and S. Asc. 98 ft. to spur.

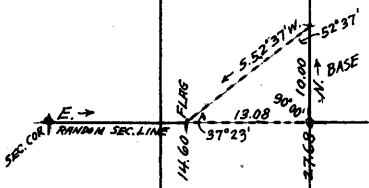
12.25

County rock crusher brs. S. 20° E. about 10 chs. dist.

R. R. company's steam shovel and rock crusher brs. S. 8° W. about 20 chs. dist.

18.50

Spur slopes SE. Thence asc. along SE. slope, 56 ft. to



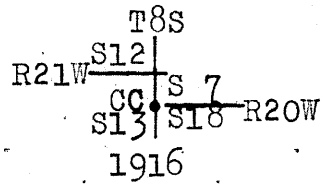
Subdivision of portion of T. 8 S., R. 20 W.

Chains

26.20 Head of gulch, course SE. Asc. steep rocky E. slope, 250 ft. to
 35.87 Spur slopes SE. Thence asc. along SE. slope, 77 ft. to
 39.00 Desc. 53 ft. to
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

S 7
 $\frac{1}{4}$
 S 18
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Asc. 32 ft. to
 41.45 Spur slopes S. Desc. steep W. slope, 204 ft. to
 46.00 Head of gulch, course N. Asc. along NE. slope, 64 ft. to
 49.00 Desc. 14 ft. to
 50.04 Intersect E. bdy. of T. 8 S., R. 21 W., 194 lks. N. of $\frac{1}{4}$ sec. cor. of sec. 13, hereinbefore described.
 At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., on surface rock, in a mound of stone, for C. C. of secs. 7 and 18, mkd. on brass cap

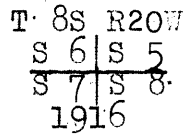


and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 Land, level to 7.80 chs. remainder mountainous.
 Soil, 1st and 4th rates.
 Timber, scattering mesquite.
 Undergrowth, greasewood and mesquite brush.

From cor. of secs. 7, 8, 17 and 18,
 N: 0° 3' W. bet. secs. 7 and 8.
 Over level bottom land, through scattering timber and dense undergrowth.
 .30 Road brs: NW. and SE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., mkd. on brass cap

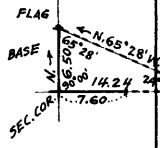
S 7 $\frac{1}{4}$ | S 8
 1916

from which,
 A cottonwood, 7 ins. diam., brs. S. $74\frac{1}{2}$ ° E. 37 lks. dist. mkd. $\frac{1}{4}$ S 8 B T.
 A cottonwood, 7 ins. diam., brs. N. $7\frac{1}{2}$ ° W. 103 lks. dist. mkd. $\frac{1}{4}$ S 7 B T.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, mkd. on brass cap



dig pits, 18 X 18 X 12 ins., in each sec.; 51 ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, 1st rate.
 Timber, scattering cottonwood.
 Undergrowth, dense arrow weed.

Chains



7.60 East on a random line bet. secs. 5 and 8.
 Left bank of Gila River. To determine dist. across, I set a flag on line on right bank, at a point from which a flag set 6.50 chs. N. of the cor. of secs. 5, 6, 7 and 8, brs. N. 65° 28' W. therefore the dist. is the cotan. 24° 32' X 6.50 or 2.19092 X 6.50 = 14.24 chs.

14.24 Right bank of Gila River.
 80.10 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 4, 5, 8 and 9.
 Thence N. 89° 54' W. on a true line bet. secs. 5 and 8. Over level land, through scattering timber and undergrowth.

9.50 Enter land, subject to overflow, brs. NW. and SE.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

S 5
 1/4
 S 8
 1916

from which,
 A mesquite, 7 ins. diam., brs. N. 40° E.
 20 lks. dist. mkd. 1/4 S 5 B T.
 A mesquite 10 ins. diam., brs. S. 49° W.
 55 lks. dist. mkd. 1/4 S 8 B T.

65.86 Right bank of Gila River, 6 ft. high, brs. NW and SE. high.
 72.50 Left bank of Gila River 3 ft. high, brs. N. and S.
 80.10 The cor. of secs. 5, 6, 7 and 8.
 Land, level, last 70.60 chs. subject to overflow.
 Soil, 1st rate.
 Timber, scattering mesquite.
 Undergrowth, dense mesquite and willow brush.

West on a true line bet. secs. 6 and 7.
 Over level river bottom, through scattering timber and dense undergrowth.

28.80 Leave land, subject to overflow brs. NW. and SE. Thence over level land.

35.46 Old R. R. grade brs. NW. and SE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. mkd. on brass cap

S 6
 1/4
 S 7
 1916

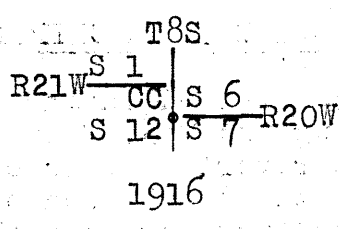
dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

41.10 State highway in course of construction brs. NW. and SE. Thence over rolling land.

43.51 Telegraph line brs. NW. and SE.
 44.12 S. P. R. R. brs. NW. and SE.
 44.42 Side track brs. NW. and SE.
 45.00 Block signal line brs. NW. and SE.
 46.11 Fence brs. NW. and SE.
 46.30 Telephone line brs. NW. and SE.
 49.00 Enter placer diggings.
 50.05 Intersect E. bdy. of T 8 S., R. 21 W. 174 lks. N. of reestab. 1/4 sec. cor. of sec. 12, hereinbefore described.
 At point of intersection, Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for C. C. of secs. 6 and 7, mkd. on brass cap

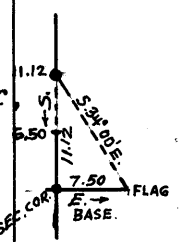
Subdivision of portion of T. 8 S., R. 20 W.

Chains



and raise a mound of stone, 2 ft base, 1½ ft. high;
 E. of cor.
 Land, level to 49 chs., remainder rolling.
 Timber, scattering cottonwood, willow and mesquite.
 Undergrowth, greasewood, and scattering mesquite brush.

- 6.50 From cor. of secs. 5, 6, 7 and 8,
 N. 0° 3' W. on a random line bet. secs. 5 and 6.
 Left bank of Gila River. To determine dist. across river,
 I proceed as follows: From a point on the right
 bank of the river, the cor. of secs. 5, 6, 7 and 8,
 brs. S. and a flag set 7.50 chs. E. of the cor. of
 secs. 5, 6, 7 and 8, brs. S. 34° 0' E. and the dist.
 is 7.50 chs. X tan. 56° 0' or 7.50 X 1.48256 =
- 11.12 Right bank of Gila river.
- 40.00 Set temp. ¼ sec. cor.
- 80.40 Intersect N. bdy. of Tp., 47 lks. W. of the cor. of secs.
 5, 6, 31 and 32, hereinbefore described.
 Thence
 S. 0° 17' W. on a true line bet. secs. 5 and 6.
 Over level bottom land, through scattering timber and
 undergrowth.
- 1.43 Fence brs. NE. and SW.
- 2.05 Fence brs. NW. and SE.
- 5.81 Road brs. E. and W.
- 6.56 Road brs. E. and W.
- 9.14 Fence brs. NW. and SE.
- 10.00 Juan Nunez's house brs. W. about 5 chs. dist.
- 12.05 Road brs. E. and W.
- 12.45 Fence brs. E. and W.
- 12.50 Enter overflow land; thence thru dense willow brush.
- 23.63 Fence brs. NW. and SE.
- 40.40 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for ¼ sec. cor., mkd. on brass cap



S. 6½ | S. 5
 1916

- from which,
 A willow, 6 ins. diam., brs. N. 20° E.
 85 lks. dist. mkd. ¼ S 5 B T.
 No other trees within limits.
 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, 3½ ft. base, 1½ ft
 high, W. of cor.
- 69.28 Right bank of Gila River, 3 ft. high, course of river
 along this bank is NW.
- 73.90 Left bank of Gila River, course of river W.
- 80.40 The cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, 1st rate.
 Timber, scattering willow and cottonwood.
 Undergrowth, mesquite and willow brush.

GENERAL DESCRIPTION.

This township is situated in the Valley of the Gila river, between the Muggins Mts. NE. of the river, and the Gila Mts. SW. of the river. The former mountains cover about one-fourth of the total area of the township, situated in the northeastern part, and the latter mountains cover about one-eighth of the total area, situated in the southwestern and western part. The remainder of the township consists of level channel and overflow land of the Gila river, and the level and gently rolling bottom land, adjacent. The Gila river, course NW. from the SE. cor. to the NW. cor. drains the entire township, and carries a permanent flow of water. There is no other running water. The soil in the overflow and bottom land is mostly 1st. rate, while that in the mountains is rocky, 3rd and 4th rate. Over the mountains is a scattering undergrowth of greasewood and cactus, with scattering timber of palo verde and ironwood. Over the overflow and bottom land, the undergrowth consists of willow and mesquite in both dense and scattering growths, and the timber consists of a scattering growth of willow, mesquite and cottonwood. No indications of mineral deposits were found.

The Southern Pacific Railroad bearing NW and SE passes thru. the Tp., along the edge of the bottom land, SW. of the river. The flag station known as Liguarta is situated at the intersection of the R.R. with the S. bdy. of the Tp., and Dome Sta. is situated on the railroad at its crossing of the W. bdy. of the Tp. Several settlers are located in the bottom lands, who have made improvements such as houses and fences.

Boundaries of Township 8 South, Range 20 West.
Latitudes, departures, and closing errors.

Line designated.	Bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	449.41				449.41
West boundary,	North,	438.62	438.62			
	N. 0° 16' W.	42.12	42.12			.19
North boundary,	East,	450.33			450.33	
East boundary,	South,	480.03		480.03		
Convergency,					.43	
	Totals,		480.74	480.03	450.76	449.60
			480.03		449.60	
	Error in latitude,		0.71			
	Error in departure,				1.16	

Book "F."

Group 47 - - - Arizona.

Township 8 South, Range 20 West.

BOOK 3177

4-6-0

DATE DIAGRAM.

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

Surveys, retracements and resurveys executed on dates shown on above diagram, by William B. Kimmel, U.S. Surveyor.

BCOY. 3177

CERTIFICATE OF UNITED STATES SURVEYOR.

I, William B. Kimmel, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 47, Arizona, bearing date of the 5th day of February, 1915, 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~~ ^{retraced} all those parts or portions of the North boundaries and Subdivision lines of Township 8 South, Range 21 West, and RESURVEYED all those parts or portions of the South boundary of Township 8 South, Range 19 West, and East bdrs. of Ts. 8 South, Ranges 20 and 21 West, and SURVEYED all those parts or portions of the E. bdrs. of Ts. 8 and 9 S., R. 21 W., and N. and S. bdrs. and Subdivision lines of T. 8 S., R. 20 W. of the Gila & Salt River Base & 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~~ ^{retracement, resurvey and} survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 47, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~retracement, resurvey and survey~~.

William B. Kimmel
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, March 20, 1918

The foregoing field notes of the retracement of a portion of North bdy. and Subdivision lines of TOWNSHIP 8 SOUTH, RANGE 21 WEST, and RESURVEY of Portions of South bdy. of TOWNSHIP 8 SOUTH, RANGE 19 WEST, and Portions of East bdrs. of TOWNSHIPS 8 SOUTH, RANGES 20 AND 21 WEST, and SURVEY of Portions of East bdrs. of TOWNSHIPS 8 & 9 SOUTH, RANGE 21 WEST, and All of North & South bdrs. & portions of Subdivision lines of TOWNSHIP 8 SOUTH, RANGE 20 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by William B. Kimmel, U. S. Surveyor, under his special instructions dated Feb. 5, 1915, for Group 47, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~surveys~~ ^{retracements, resurveys &} surveys they describe, are hereby approved.

Frank O. Frost
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described retracement, resurvey and survey, has been correctly copied from the original notes on file in this office.