

3657

ORIG

(1)

Book "J"

4-679

# BOOK 3657 FIELD NOTES

RE-  
OF THE SURVEY OF THE

4th Standard Parallel South, thru. Range 14 East, and

East boundary of T. 20 S., R. 13 E.,

AND OF THE SURVEY OF

East boundary, North boundary and Subdivision lines

of

TOWNSHIP 20 SOUTH, RANGE 14 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Sidney E. Blout,

U. S. Cadastral Engineer,

In the capacity of U. S. Surveyor, under Special Instructions dated December 16, 1921, issued by the United States Surveyor General to govern surveys included in Group No. 119, Arizona, which were approved by the Commissioner of the General Land Office, February 2, 1922, and Assignment Instructions dated September 15, 1922.

Survey and Survey commenced June 6, 1923

Survey and Survey completed October 11, 1923,

3051

3657

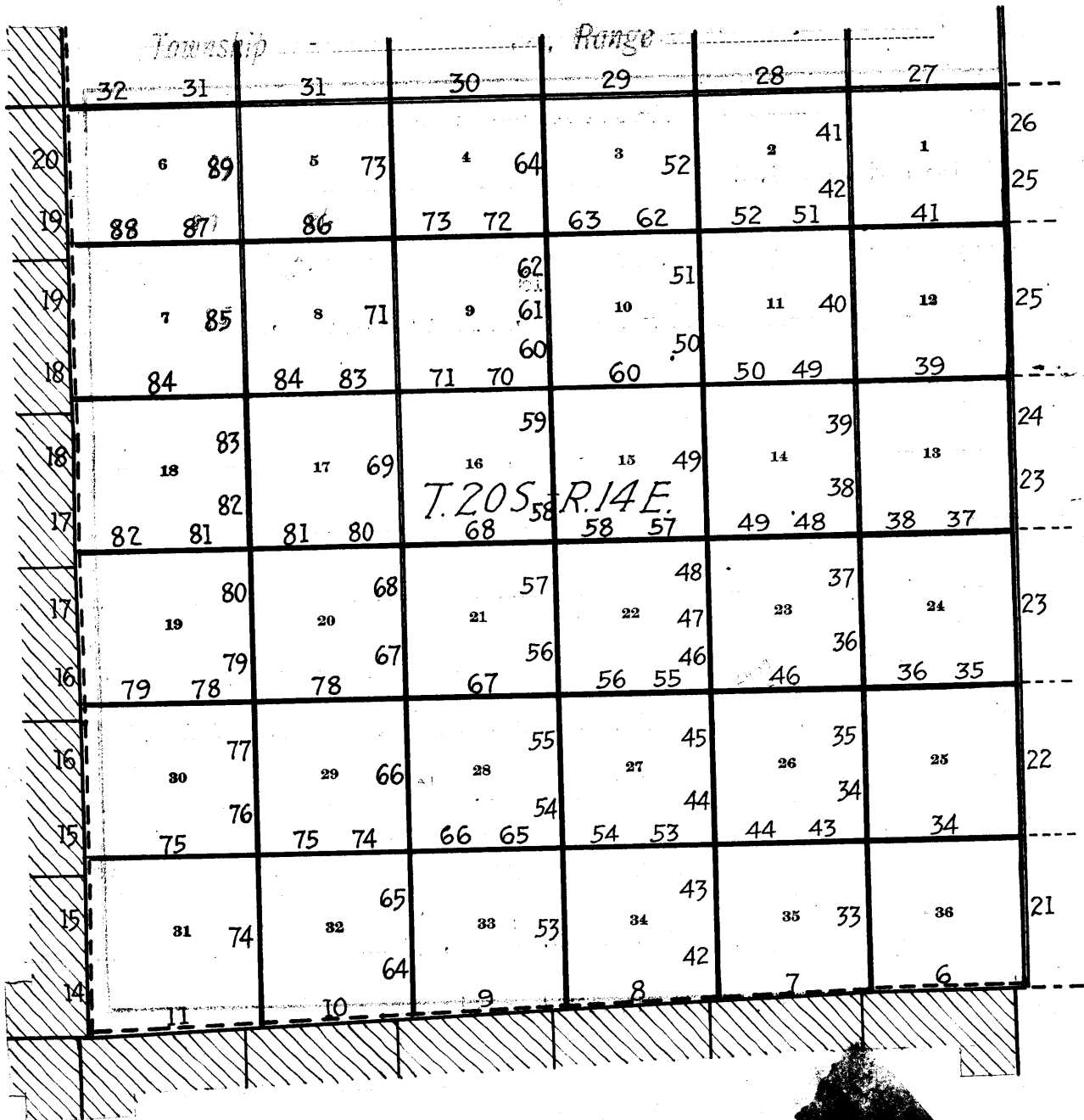
Book "J"




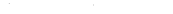

Group 119- Arizona.

Township 20 South, Range 14 East.

# BOOK 3657

## INDEX DIAGRAM.



-  Lines surveyed under this group.
-  Lines resurveyed under this group.
-  Accepted surveys.
-  Unsurveyed.
-  Areas surveyed as per accepted plats on file.

Book "J"  
Group 119 - Arizona.  
Township 20 South, Range 14 East.

DATE DIAGRAM.  
1923

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4th Standard Parallel South

Indicates surveys executed by Sidney E. Blout, U.S.C.E.  
on dates shown thereon.

Indicates resurveys executed by Sidney E. Blout, U.S.C.E.  
on dates shown thereon.

The resurveys and surveys, hereinafter described, commenced June 5, 1923, and executed on dates shown on diagram on page 1 hereof, by Sidney E. Blout, U.S. Cadastral Engineer, using a Buff "Rocky Mountain Favorite" solar transit No. 9984, with U-shaped standards,  $4\frac{1}{2}$ -inch horizontal circle, 4-inch vertical circle, and improved Smith solar attachment; all azimuth determinations are accomplished with the solar attachment, except the special observations on Polaris and the sun for meridian, upon which to test the solar apparatus, as stated in the field notes.

The instrument was examined, tested on the meridian at the Federal Building at Phoenix, Arizona, found correct, and was approved by the Assistant Supervisor of Surveys for Arizona and California, September 15, 1922, conditional upon satisfactory field tests.

TEST OF INSTRUMENT.

June 4, 1923: Examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations, made during a.m. and p.m. hours with a meridian established by observations on Polaris, proceed as follows:

In camp at the Bird Yoas ranch, near the  $\frac{1}{4}$  sec. cor. of secs. 25 and 26, T. 20 S., R. 13 E., in approximate latitude  $31^{\circ}40'N.$ , and longitude  $110^{\circ}59'W.$ ; at 2h. 46.8m. a.m., l.m.t., by my watch, which is set by telegraphic clock to read the correct local mean time, observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a nail driven in a stake set firmly in the ground about 10 chs. N. of instrument.

Azimuth of Polaris at elongation  $1^{\circ}18'19''E.$

June 5: At 7h. 30m. a.m., lay off the azimuth of Polaris  $1^{\circ}18\frac{1}{2}'$  to the West, and mark the meridian thus determined by a tally pin in peg driven firmly in the ground about 10 chs. N.

At same station, June 5, make an altitude observation on Polaris at upper culmination for latitude, making four observations, two each with telescope in direct and reversed positions:

Mean time of observation = 8h. 41m. a.m.  
 Mean observed vertical angle =  $32^{\circ}48'$   
 Reduced latitude =  $31^{\circ}39'48''$

At 9h. 00m. a.m. app. time, set off  $31^{\circ}40'N.$  on the lat. arc;  $22^{\circ}29\frac{1}{2}'N.$  on the decl. arc, and determine a meridian with the solar, and mark a point thereof, by a tack driven in stake already set about 10 chs. N.; this point falls 01' in angular measure E. of the meridian established by the Polaris observation.

At apparent noon with the latitude arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $22^{\circ}30'N.$ , which agrees with the computed decl. of the sun.

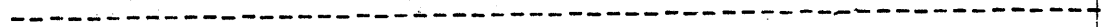
At 3h. 00m. p.m. app. time, with the lat. arc unchanged, set off  $22^{\circ}31'N.$  on the decl. arc, and determine a meridian with the solar, and mark a point thereof on the stake already set about 10 chs. N. on which the solar meridian falls 01' West of the meridian established by the Polaris observations.



As all the solar observations during the usual hours of solar work come within 1'30" of the true meridian, conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.00m.a.m., is N. 13°50'W.

All measurements are made with a Lufkin 5-chain steel tape, compared with a Chesterman standard steel tape, and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.



## BOOK 3657

## ④ Resurvey of 4th. Std. Parallel South, thru. Range 14 East.

Chains.

The Fourth Standard Parallel South, thru. Range 14 East, and also, the Subdivision lines and E. bdy. of T. 21 S., R. 14 E. were surveyed by George J. Roskrige, U.S.D.S. in 1887; the sectional closing corners, which he established on the parallel being tied to the standard sec. cors. of T. 20 S., R. 14 E., and the closing cor. of Ts. 21 S., Rs. 14 and 15 E. tied to the standard cor. of Ts. 20 S., Rs. 14 and 15 E. In the resurvey described in the following field notes, all of the existing standard  $\frac{1}{4}$  sec. and sec. cors. except original standard cor. of secs. 35 and 36 are changed to angle points, the parallel resurveyed on the courses determined between said angle points, and the std.  $\frac{1}{4}$  sec. and sec. cors. reestablished alternately at intervals of 40.00 chs. in westing, measuring from the standard cor. of Ts. 20 S., Rs. 14 and 15 E., and placing the excess measurement in W.  $\frac{1}{2}$  of S. bdy. of sec. 31.

Retracement for Resurvey.

- From the standard cor. of Ts. 20 S., Rs. 13 and 14 E., hereinafter described,
- 40.65 East on a random line on original S. bdy. of sec. 31 (W.  $\frac{1}{2}$ ). Fall 117 lks. S. of the original std.  $\frac{1}{4}$  sec. cor. of sec. 31, hereinafter described.  
True course and dist. of W.  $\frac{1}{2}$  of original S. bdy. of sec. 31 are therefore, S. 88° 21' W., 40.67 chs.  
Thence,
- 40.12 East, on a random line on original S. bdy. of sec. 31 (E.  $\frac{1}{2}$ ). Fall 133 lks. S. of the original closing cor. of secs. 5 and 6, T. 21 S., R. 14 E., hereinafter described.  
Continue line and measurement.
- 41.21 Fall 137 lks. S. of the original std. cor. of secs. 31 and 32, hereinafter described.  
True course and dist. of E.  $\frac{1}{2}$  of original S. bdy. of sec. 31 are therefore, S. 88° 06' W., 41.23 chs., and the closing cor. is on line.
- 
- 39.10 East, on a random line, on original S. bdy. of sec. 32 (W.  $\frac{1}{2}$ ). Fall 243 lks. S. of the original std.  $\frac{1}{4}$  sec. cor. of sec. 32, hereinafter described.  
True course and dist. of W.  $\frac{1}{2}$  of original S. bdy. of sec. 32 are therefore, S. 86° 26' W., 39.17 chs.  
Thence,
- 39.37 East, on a random line, on original S. bdy. of sec. 32 (E.  $\frac{1}{2}$ ). Fall 63 lks. S. of the original closing cor. of secs. 4 and 5, T. 21 S., R. 14 E., hereinafter described. Continue line and measurement.
- 40.62 Fall 65 lks. S. of the original std. cor. of secs. 32 and 33, hereinafter described.  
True course and dist. of E.  $\frac{1}{2}$  of original S. bdy. of sec. 32 are therefore S. 89° 05' W., 40.62 chs., and the closing cor. is on line.
- 
- 40.42 East, on a random line on original S. bdy. of sec. 33 (W.  $\frac{1}{2}$ ). Fall 39 lks. S. of the original std.  $\frac{1}{4}$  sec. cor. of secs. 33 hereinafter described.  
True course and dist. of W.  $\frac{1}{2}$  of original S. bdy. of sec. 33 are therefore, S. 89° 27' W., 40.42 chs.  
Thence,
- 39.57 East, on a random line, on original S. bdy. of sec. 33 (E.  $\frac{1}{2}$ ). Fall 54 lks. N. of the original closing cor. of secs. 3 and 4, hereinafter described. Continue line and measurement.
- 40.95 Fall 56 lks. N. of the original std. cor. of secs. 33 and 34, hereinafter described.  
True course and dist. of E.  $\frac{1}{2}$  of original S. bdy. of sec.

Resurvey of 4th Std. Parallel South, thru. Range 14 East. (5)

Chains.

sec. 33 are, therefore N. 89° 13' W., 40.95 chs., and the closing cor. is on line.

40.00 East, on a random line on the original S. bdy. of sec. 34. Diligent search in this vicinity fails to reveal any trace of original std. 1/4 sec. cor. of sec. 34. Set temp. 1/4 sec. cor. and continue line and measurement.

84.32 Fall 488 lks. S. of the original closing cor. of secs. 2 and 3, T. 21 S., R. 14 E., hereinafter described. Continue line and measurement.

86.05 Fall 499 lks. S. of the original std. cor. of secs. 34 and 35, hereinafter described.

True course and dist. of the original S. bdy. of sec. 34, are therefore, S. 86° 41' W., 86.19 chs., and the closing cor. is on line.

39.21 East, on a random line, on the original S. bdy. of sec. 35 (W. 1/4).

Fall 272 lks. S. of the original std. 1/4 sec. cor. of sec. 35, hereinafter described.

True course and dist. of the W. 1/4 of the original S. bdy. of sec. 35 are, therefore, S. 86° 01' W., 39.31 chs.

38.92 Thence, East, on a random line on the original S. bdy. of sec. 35 (E. 1/4).

Fall 6 lks. S. of the original closing cor. of secs. 1 and 2, T. 21 S., R. 14 E., hereinafter described.

Continue line and measurement.

40.47 Fall 6 lks. S. of the original std. cor. of secs. 35 and 36, hereinafter described.

True course and dist. of E. 1/4 of the original S. bdy. of sec. 35, are therefore S. 89° 55' W., 40.47 chs., and the closing cor. is on line.

40.00 East, on a random line, on the original S. bdy. of sec. 36. Diligent search in this vicinity fails to reveal any trace of the original standard 1/4 sec. cor. of sec. 36.

Set temp. 1/4 sec. cor., and continue line and measurement.

78.14 (Record dist.) Diligent search in this vicinity fails to reveal any trace of the original closing cor. of Ts. 21 S., Rs. 14 and 15 E. Continue line and measurement.

80.00 Diligent search in this vicinity fails to reveal any trace of the original standard cor. of Ts. 20 S., Rs. 14 and 15 E.

The Parallel E. from this point is unsurveyed.

RESURVEY.

The 4th. Std. Parallel S. being unsurveyed in Range 15 East, reestablish the standard cor. of Ts. 20 S., Rs. 14 and 15 E. at 80.00 chs. E. from the original std. cor. of secs. 35 and 36, as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone, 6 ft. base, 2 ft. high, for reestablished std. cor. of Ts. 20 S., Rs. 14 and 15 E., marked on brass cap,

S C  
T20S  
R14E R15E  
S36 | S31

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6 Resurvey of 4th Std. Parallel South, thru Range 14 East.

Chains.

from which,

A juniper, 24 ins. in diam., brs. N. 44° E., 104  
lks. dist., marked SC T20S R15E S31 BT.A juniper, 30 ins. in diam., brs. N. 26° W., 210  
lks. dist., marked SC T20S R14E S36 BT.

Thence,

West, on true line, on S. bdy. of sec. 36.

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

Descend 473 ft., over steep SW. slope.

14.34 Wash, 10 lks. wide, in gulch, course S. 20° W.

Ascend 83 ft., over SE. slope.

16.60 Spur, slopes S. 10° W.

Descend 123 ft., over W. slope.

24.55 Wash, 15 lks. wide, in gulch, course S. 10° E.

Ascend 63 ft. over E. slope.

26.43 Point of spur, slopes SE.

Descend 45 ft., over SW. slope.

31.06 Wash, 20 lks. wide, course S. 20° E.

Ascend 115 ft., over SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in  
the ground to bed rock, deposit a stone marked with a  
cross (x) at base of post, and raise a mound of stone  
around post, for reestablished std.  $\frac{1}{4}$  sec. cor. of sec.  
36, marked on brass cap,

S 8

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

1923

from which,

An oak, 12 ins. in diam., brs. N. 76° W., 38 lks.  
dist., marked SC  $\frac{1}{4}$ S 36 BT.

No other bearing trees available.

Ascend 115 ft., over SE. slope.

43.25 Ridge, brs. NE. and SW.

Descend 562 ft., over steep W. slope.

55.60 Wash, 10 lks. wide, in gulch, course NW.

Ascend 65 ft., over NE. slope.

64.33 Spur, slopes NW.

Descend 163 ft., over W. slope.

71.00 Head of gulch, course N.

Ascend 44 ft., over E. slope.

77.15 Spur, slopes NW.

Descend 117 ft. over W. slope, to

80.00 Intersect the original standard cor. of secs. 35 and 36,  
which is a granite stone in place 3x2x2 ft. above  
ground, marked with a cross (x) on top, 1 groove E.,  
and 5 grooves W. of cross, and witnessed by four bear-  
ing trees as follows:An oak, 10 ins. in diam., N. 6 $\frac{1}{4}$ ° E., 72 lks. dist.,  
marked SC T20S R14E S36 BT.An oak, 13 ins. in diam., N. 0° E., 55 lks. dist.,  
marked T20S R14E S36 BT.An oak, 9 ins. in diam., N. 19° W., 30 lks. dist.,  
marked SC T20S R14E S35 BT.An oak, 10 ins. in diam., N. 3 $\frac{1}{2}$ ° W., 109 lks. dist.,  
marked SC T20S R14E S35 BT.Make no change in this monument, inasmuch as it is a good  
durable stone which will last indefinitely, and is  
properly marked and witnessed.

Land, mountainous.

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

Timber, oak and juniper.

Undergrowth, scrub oak, manzanita and mountain mahogany.

Good grass.

Chains.

S. 89° 55' W., on true line, on S. bdy. of sec. 35.  
 Over mountainous land, thru. scattering timber and dense undergrowth.

1.55 Descend 46 ft., over W. slope, to  
 Intersect the original closing cor. of secs. 1 and 2, T. 21 S., R. 14 E., which is a granite stone 16x10x10 ins. above ground, firmly set, marked C C on S. face, and 1 groove on E. face, and 5 grooves on W. face, and witnessed by four properly marked oak bearing trees, two each SE. and SW. of cor.

Continue line and measurement.

10.15 Descend 337 ft., over precipitous W. slope.  
 Wash, 10 lks. wide, in gulch, course N.  
 Ascend 94 ft., over steep E. slope.

13.26 Spur, slopes N.  
 Descend 219 ft., over steep W. slope.

25.90 Wash, 15 lks. wide, in gulch, course NW.  
 Ascend 46 ft., over NE. slope.

27.20 Point of spur, slopes NW.  
 Descend 180 ft., over NW. slope.

34.60 Bottom of Josephine Canyon, 200 lks. wide, containing a stream of clear water, 6 lks. wide, 5 ins. deep, course SW.  
 Ascend 27 ft., over SE. slope, to

37.00 Top of bank, brs. NE. and SW. Thence over rolling land.  
 Ascend gradually over SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for reestablished std.  $\frac{1}{4}$  sec. cor. of sec. 35, marked on brass cap.

S C  
 $\frac{1}{4}$  S 35  
 1923

No bearing trees available.  
 From this cor., Cor. No. 6 of the "Emma" patented lode mining claim, Mineral Sur. No. 829, identical with cor. No. 6 of the Josephine patented lode mining claim of Mineral Survey No. 663, brs. N. 3° 15' W., 8.87 chs. dist.

40.47 Ascend slightly over SE. slope, to  
 Intersect the original std.  $\frac{1}{4}$  sec. cor. of sec. 35, which is a granite stone in place, 3x2x1 ft. above ground marked with a cross (x) for exact cor. point, and SC  $\frac{1}{4}$  N of cross, and witnessed by a mound of stone, 2 ft. base,  $\frac{1}{2}$  ft. high, N. of cor.

No bearing trees.  
 Change this cor. to an angle point by obliterating the marks SC  $\frac{1}{4}$ , and remark stone AP S35 N. of cross.

Thence,  
 S. 86° 1' W., on true line, continuing measurement of S. bdy. of sec. 35.  
 Over rolling land, thru. scattering timber and undergrowth.

49.87 Ascend gradually over SE. slope.  
 Descend 90 ft., over SW. slope, to

61.55 Wash, 10 lks. wide, course SW.  
 Descend 43 ft., over SW. slope, to

68.00 Wash, 15 lks. wide, course SE. Enter mountainous land.  
 Ascend 56 ft., over SE. slope, to

79.78 Intersect the original std. cor. of secs. 34 and 35, which is a granite stone 10x8x8 ins. above ground, firmly set, marked SC on N. face, 2 grooves on E. face, and 4 grooves on W. face, and witnessed by three properly marked oak bearing trees, two NE. and one NW. of cor.

Change this cor. to an angle point by obliterating all the old marks on the stone and bearing trees, and remarking the stone AP S35 on N. face.

Thence,  
 S. 86° 41' W., on true line, continuing measurement of S. bdy. of sec. 35.  
 Ascend 6 ft., over SE. slope, to

## BOOK 3657

8 Resurvey of 4th. Std. Parallel South, thru. Range 14 East.

Chains.

80.10 (80.00 chs. in westing from std. cor. of secs. 35 and 36) Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for reestablished std. cor. of secs. 34 and 35, marked on brass cap,

	S	C
T20S		R14E
S34		S35
1923		

The old bearing trees to the original std. cor. of secs. 34 and 35 are the only trees within limits, and are so badly decayed as to be unsuitable for new bearing trees.

Land, mountainous and rolling,

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

Timber, oak.

Undergrowth, greasewood, scrub oak and mountain mahogany.

Grass, fair.

S. 86° 41' W., on true line, on S. bdy. of sec. 34.

Over mountainous land, thru. scattering timber and undergrowth.

Ascend 36 ft., over SE. slope, to

1.50 Intersect the original closing cor. of secs. 2 and 3, T. 21 S., R. 14 E., which is a granite stone 10x9 ins. above ground, firmly set, marked CC on S. face, 2 grooves on E. face and 4 grooves on W. face, and witnessed by a mound of stone 2 ft. base, 1½ ft. high, S. of cor.

No bearing trees.

Continue line and measurement.

Ascend 26 ft., over SE. slope.

4.10 Descend 110 ft., over S. slope, to

40.07 (40.00 chs. in westing from std. cor. of secs. 34 and 35) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished std. cor. of sec. 34, marked on brass cap,

	S	C
¼S		34
,1923		

No bearing trees available.

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

Descend 42 ft., over S. slope, to

54.00 Spur, slopes SW.

Descend 194 ft., over NW. slope.

60.72 Dry bed of creek, 25 lks. wide, in gulch, course S. 40° W.

Ascend 100 ft., over SE. slope.

78.85 Spur, slopes S.

Descend 37 ft., over W. slope, to

80.14 (80.00 chs. in westing from std. cor. of secs. 34 and 35) Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for reestablished std. cor. of secs. 33 and 34, marked on brass cap,

	S	C
T20S		R14E
S33		S34
1923		

No bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Land, mountainous.

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

Timber, oak.

Undergrowth, scrub oak.

Good grass.

Chains.

- S.  $86^{\circ}41'W.$ , on true line, on S. bdy. of sec. 33.  
Over mountainous land, thru. scattering timber and undergrowth.
- 2.25 Descend 60 ft., over W. slope.  
Wash, 15 lks. wide, in gulch, course SE.  
Ascend 50 ft., over E. slope, to
- 5.73 Intersect the original std. cor. of secs. 33 and 34, which is a granite stone in place  $2x3x2$  ft. above ground, marked on top with a cross (x) for exact cor. point, SC on N. face, 3 grooves on each of E. and W. faces, and witnessed by a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. No bearing trees.  
Change this cor. to an angle point by obliterating the old marking on stone and remarking stone AP S33 on N. face.
- Thence,  
N.  $89^{\circ}13'W.$ , on true line, continuing measurement of S. bdy. of sec. 33.  
Over mountainous land, thru. scattering timber and undergrowth.
- 7.11 Ascend 128 ft., over E. slope, to  
Intersect the original closing cor. of secs. 3 and 4, T. 21 S., R. 14 E., which is a granite stone  $14x8x8$  ins. above ground, firmly set, marked CC on S. face and 3 grooves on each of E. and W. faces; and witnessed by a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor. No bearing trees. Continue line and measurement.
- 27.00 Ascend 220 ft., over steep SE. slope.  
Ridge, brs. N. and SW.
- 40.01 Descend 250 ft., over NW. slope, to  
(40.00 chs. in westing from std. cor. of secs. 33 and 34),  
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished standard  $\frac{1}{4}$  sec. cor. of sec. 33, marked on brass cap,

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

1923

No bearing trees available. Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

- 46.68 Descend 20 ft., over NW. slope, to  
Intersect the original std.  $\frac{1}{4}$  sec. cor. of sec. 33, which is a granite stone  $1x3x2$  ft. above ground, marked on top with a cross (x) at exact cor. point, and SC  $\frac{1}{4}$  N. of cross, and witnessed by a mound of stone, 2 ft. base;  $1\frac{1}{2}$  ft. high, N. of cor. No bearing trees.  
Change this cor. to an angle point by obliterating the old marking on stone, and remarking stone AP S33 N of cross.

Thence,  
S.  $89^{\circ}27'W.$ , on true line, continuing measurement of S. bdy. of sec. 33.

- 51.80 Descend 17 ft., over N. slope, to  
Spur, slopes NW.
- 80.01 Descend 491 ft., over steep W. slope, to  
(80.00 chs. in westing from standard cor. of secs. 33 and 34)  
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for reestablished std. cor. of secs. 32 and 33, marked on brass cap,

S C  
T20S | R14E  
S32 | S33

1923

No bearing trees available.  
Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
Land, mountainous.

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

Timber, oak.

Undergrowth, scrub oak and greasewood. Good grass.

## BOOK 3657

10 Resurvey of 4th. Std. Parallel South, thru Range 14 East.

Chains,

- S.  $89^{\circ}27'W.$ , on true line, on S. bdy. of sec. 32.  
Over mountainous land; thru scattering undergrowth.  
Descend 51 ft., over W. slope, to
- 7.09 Intersect the original std. cor. of secs. 32 and 33, which is a granite stone 12x10x9 ins. above ground, firmly set, marked with a cross (x) on top at exact cor. point, 4 grooves on E. face and 2 grooves on W. face, and witnessed by a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. No bearing trees.  
Change this cor. to an angle point by obliterating old marking on stone, and remarking stone AP S32 on N. face. This angle point is alongside a wire fence, bearing N. and S.
- Thence,  
S.  $89^{\circ}5'W.$ , on true line, continuing measurement of S. bdy. of sec. 32.  
Descend 20 ft., over W. slope, to
- 8.36 Intersect the original closing cor. of secs. 4 and 5, T. 21 S., R. 14 E. which is a granite stone 12x10x9 ins. above ground, firmly set, marked CC on S. face, 4 grooves on E. face, and 2 grooves on W. face, and witnessed by a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.  
No bearing trees. Continue line and measurement.  
Descend 104 ft., over W. slope.
- 18.05 Wash, 8 lks. wide, course NW.  
Ascend 67 ft., over NE. slope.
- 28.25 Spur, slopes NW.  
Descend 107 ft., over SW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished std.  $\frac{1}{4}$  sec. cor. of sec. 32, marked on brass cap,

S C  
18 32

1923

- No bearing trees available.  
Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
Descend 28 ft., over SW. slope, to
- 41.86 Wash, 6 lks. wide, course NW.  
Ascend 83 ft., over NE. slope, to
- 47.71 Intersect the original std.  $\frac{1}{4}$  sec. cor. of sec. 32, which is a granite stone 14x10x6 ins. above ground, firmly set, marked with a cross (x) on top at exact cor. point and SC  $\frac{1}{4}$  on N. face, and witnessed by a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
No bearing trees.  
Change this cor. to an angle point by obliterating the old marks on stone and remarking the stone AP S32 on N. face.

Thence,  
S.  $86^{\circ}26'W.$ , on true line, continuing measurement of S. bdy. of sec. 32.

- Ascend 145 ft., over NE. slope.
- 53.08 Spur, slopes NW.  
Descend 461 ft., over SW. slope, to
- 77.60 Wash, 10 lks. wide, course NW.  
Descend 48 ft., over NW. slope, to
- 80.06 (80.00 chs. in westing from the std. cor. of secs. 32 and 33).  
Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground for reestablished std. cor. of secs. 31 and 32, marked on brass cap,

S C  
T20S | R14E  
S31 | S32

1923

- No bearing trees available.  
Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.



BOOK 3657

Resurvey of 4th. Std. Parallel South, thru. Range 14 East. 11

Chains.

Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, none.  
Undergrowth, greasewood and scrub mesquite.  
Good grass.

- S. 86° 26' W., on true line, on S. bdy. of sec. 31.  
Over mountainous land, thru. scattering undergrowth.  
Descend 53 ft., over NW. slope, to
- 6.82 Intersect the original standard cor. of secs. 31 and 32, which is a granite stone 10x10x8 ins. above ground, firmly set, marked with a cross (x) on top at exact cor. point, SC on N. face, 5 grooves on E. face, and 1 groove on W. face, and witnessed by a mound of stone 2 ft. base, 1½ ft. high, N. of cor. No bearing trees.  
Change this cor. to an angle point by obliterating the old marks on stone, and remarking stone AP S31 on N. face.
- Thence,  
S. 88° 06' W., on true line, continuing measurement of S. bdy. of sec. 31.  
Descend 29 ft., over NW. slope, to
- 7.89 Intersect the original closing cor. of secs. 5 and 6, T. 21 S., R. 14 E., which is a granite stone, 10x10x7 ins. above ground, firmly set, marked CC on S. face, 5 grooves on E. face, and 1 groove on W. face, and witnessed by a mound of stone 2 ft. base, 1½ ft. high, S. of cor. No bearing trees.
- Continue line and measurement.  
Descend 143 ft., over NW. slope.
- 20.67 Wash, 5 lks. wide, course SW.  
Ascend 117 ft., over SE. slope.
- 31.45 Point of spur, slopes SW.  
Descend 79 ft., over W. slope, to
- 40.02 (40.00 chs. in westing from std. cor. of secs. 31 and 32) Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for reestablished std. cor. of sec. 31, marked on brass cap,
- S C  
1/4 S 31  
1923
- No bearing trees available.  
Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
Descend 46 ft., over W. slope, to
- 48.05 Intersect the original std. cor. of sec. 31, which is a granite stone, 12x12x9 ins. above ground, firmly set marked with a cross (x) on top at exact cor. point, and SC ¼ on N. face, and witnessed by a mound of stone 2 ft. base, 1½ ft. high, N. of cor. No bearing trees.  
Change this cor. to an angle point by obliterating the old marks on stone, and remarking stone AP S31 N of cross.
- Thence,  
S. 88° 21' W., on true line, continuing measurement of S. bdy. of sec. 31.  
Descend 11 ft. over W. slope, to
- 49.45 Wash, 5 lks. wide, course NW.  
Ascend 38 ft., over NE. slope.
- 50.80 Point of spur, slopes NW.  
Descend 62 ft., over W. slope, to
- 58.30 Enter rolling land.  
Descend 52 ft., over W. slope, to
- 88.72 Intersect the std. cor. of Ts. 20 S., Rs. 13 and 14 E., established by T.F. White, U.S.D.S. in 1876, which is a granite stone 16x10x6 ins. above ground, firmly set, marked SC on N. face, and 6 grooves on each of E. W. and N. faces, and witnessed by a mound of stone 3 ft. base, 1½ ft. high, N. of cor. No bearing trees.  
This cor. monument being a good durable stone which will

## BOOK 3657

12 Resurvey of 4th Std. Parallel South, thru. Range 14 East.

Chains.

last indefinitely, and being properly marked and witnessed, requires no reconstructions

Land, mountainous and rolling.

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

Timber, none.

Undergrowth, ocotillo, scrub mesquite and greasewood.

Good grass.

## Resurvey of East bdy. of Township 20 South, Range 13 East. 13

Chains.

This township boundary was surveyed by Lewis Wolfley, U.S. D.S. in 1885, establishing all cor. monuments thereon, with a common reference to areas on both sides of the line. No retracement or resurvey of any portion of this township boundary is of record.

The following notes describe a resurvey of the entire line, changing all the existing  $\frac{1}{4}$  sec. and sec. cor. monuments to refer to areas in T.20 S., R.13 E. only; and reestablishing  $\frac{1}{4}$  sec. cors. to refer to quarters in the W. range of secs. in T.20 S., R.14 E. at midpoints between the closing cors. of said secs., except the  $\frac{1}{4}$  sec. cor. of sec. 31, which is reestablished at 40.00 chs. in southing from C.C. of secs. 30 and 31, and the  $\frac{1}{4}$  sec. cor. of sec. 6, which is reestablished at 40.00 chs. in northing from the C.C. of secs. 6 and 7.

Retracement for Resurvey.

- From the Standard cor. of Ts. 20 S., Rs. 13 and 14 E., on the 4th Standard Parallel South, hereinbefore described,
- 40.18 North on random line on E. bdy. of sec. 36 (S.  $\frac{1}{2}$ ).  
Fall 1 lk. E. of the original  $\frac{1}{4}$  sec. cor. of secs. 31 and 36, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of E. bdy. of sec. 36 are therefore N. 0° 1' W., 40.18 chs.  
Thence,
- 42.19 North, on random line, on E. bdy. of sec. 36 (N.  $\frac{1}{4}$ ).  
Fall 4 lks. E. of the original cor. of secs. 25, 30, 31 and 36, hereinafter described.  
True course and distance of N.  $\frac{1}{2}$  of E. bdy. of sec. 36 are therefore N. 0° 3' W., 42.19 chs.
- 40.30 North, on random line, on E. bdy. of sec. 25 (S.  $\frac{1}{2}$ ).  
Fall 10 lks. E. of the original  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of E. bdy. of sec. 25 are therefore N. 0° 9' W., 40.30 chs.  
Thence,
- 39.81 North, on random line on E. bdy. of sec. 25 (N.  $\frac{1}{2}$ ).  
Fall 27 lks. E. of the original cor. of secs. 19, 24, 25 and 30, hereinafter described.  
True course and dist. of N.  $\frac{1}{2}$  of E. bdy. of sec. 25 are therefore, N. 0° 23' W., 39.81 chs.
- 40.50 North, on random line on E. bdy. of sec. 24 (S.  $\frac{1}{2}$ ).  
Fall 7 lks. E. of the original  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of E. bdy. of sec. 24 are therefore, N. 0° 6' W., 40.50 chs.  
Thence,
- 40.16 North, on random line, on E. bdy. of sec. 24 (N.  $\frac{1}{2}$ ).  
Fall 21 lks. E. of the original cor. of secs. 13, 18, 19 and 24, hereinafter described.  
True course and dist. of N.  $\frac{1}{2}$  of E. bdy. of sec. 24, are therefore, N. 0° 18' W., 40.16 chs.
- 39.91 North, on random line, on E. bdy. of sec. 13 (S.  $\frac{1}{2}$ ).  
Fall 43 lks. E. of the original  $\frac{1}{4}$  sec. cor. of secs. 13 and 18, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of E. bdy. of sec. 13 are therefore N. 0° 37' W., 39.91 chs.  
Thence,  
North, on random line on E. bdy. of sec. 13 (N.  $\frac{1}{2}$ ).

## BOOK 3657

## 14 Resurvey of East bdy. of Township 20 South, Range 13 East.

- Chains. Retracement for Resurvey-continued.
- 40.05 Fall 42 lks.W. of the original cor.of secs. 7,12,13 and 18, hereinafter described.  
True course and dist. of N.½ of E. bdy.of sec.13 are therefore N.0°36'E., 40.05 chs.
- 
- 40.42 North, on random line, on E. bdy.of sec.12 (S.½).  
Fall 30 lks.E. of the original ¼ sec.cor.of secs.7 and 12, hereinafter described.  
True course and dist. of S.½ of E. bdy. of sec.12 are therefore N.0°26'W., 40.42 chs.  
Thence,
- 41.60 North, on random line on E. bdy.of sec.12 (N.½).  
Fall 43 lks.E. of the original cor.of secs. 1,6,7 and 12, hereinafter described.  
True course and dist.of N.½ of E. bdy. of sec.12 are therefore N.0°36'W., 41.60 chs.
- 
- 40.84 North, on random line on E. bdy.of sec.1 (S.½).  
Fall 70 lks.W.of the original ¼ sec.cor.of secs.1 and 6, hereinafter described.  
True course and dist.of S.½ of E. bdy.of sec. 1 are therefore, N.0°59'E., 40.85 chs.  
Thence,
- 38.78 North, on random line on E. bdy.of sec.1 (N.½).  
Fall 44 lks.E. of the original cor.of Ts.19 and 20 S.,Rs. 13 and 14 E., hereinafter described.  
True course and dist. of N.½ of E. bdy. of sec.1 are therefore, N.0°39'W., 38.78 chs.
- 

RESURVEY.

- From the std.cor. of Ts. 20 S., Rs.13 and 14 E., on 4th. Std.Par.S., hereinbefore described,  
N.0°1'W., on true line, on E. bdy. of sec.36 (S.½).  
Over rolling land, thru. scattering undergrowth, parallel to fence about 10 lks.W.of line.  
Descend 37 ft., over NW.slope, to  
4.80 Top of bank, brs.E and W. Enter mountainous land.  
Descend 72 ft., over N.slope.  
13.17 Wash, 20 lks.wide, in gulch, course W.  
Ascend 42 ft., over SW.slope.  
16.00 Point of spur, slopes W.  
Descend 48 ft., over NW.slope.  
23.28 Wash, 30 lks.wide, course SW.  
Ascend 23 ft., over S.slope.  
26.38 Point of spur, slopes SW.  
Descend 70 ft., over NW.slope.  
35.31 Ascend 74 ft., over S. slope, to  
40.18 Intersect the original ¼ sec.cor. of secs.31 and 36, which is a granite stone, 12x10x8 ins. above ground, firmly set, marked ¼ S on W.face, and witnessed by a mound of stone 2 ft. base, 1½ ft. high, W.of cor. No bearing trees. This cor.monument now refers to the quarters of sec.36 only. No change in marking of accessory is required.  
Thence,  
N.0°3'W., on true line, on E. bdy.of sec.36 (N.½).  
Over mountainous land, thru. scattering undergrowth, parallel to fence about 10 lks.W.of line.  
Ascend 34 ft. over S.slope.  
4.91 Ridge, brs.N. 60°E. and S.60°W.  
Descend 75 ft., over N.slope.  
12.04 Cottonwood wash, 25 lks.wide, in gulch, course S.80°W.  
Ascend 52 ft., over S.slope.  
13.00 Spur, slopes S.80°W.

# BOOK 3657

Resurvey of East bdy. of Township 20 South, Range 13 East. 15

Chains.

13.18 Descend slightly over N.slope, to  
 (40.00 chs. in southing from closing cor. of secs. 30 and 31, and 53.36 chs. in northing from std. Tp. cor.)  
 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor. of sec. 31 only, marked on brass cap,

$\frac{1}{4}$ S31

1923

No bearing trees available.  
 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor.  
 Continue over mts. land, thru. scattering undergrowth, parallel to fence about 10 lks. W. of line.

17.42 Descend 88 ft., over N.slope.  
 Wash, 20 lks. wide, in gulch, course N. 80° W.

22.23 Ascend 92 ft., over S. slope, to  
 Top of bank, brs. N. 70° E. and S. 70° W. Thence over gently rolling land.

33.98 Ascend gradually over W. slope.  
 Old road, brs. E. and W.

34.25 Top of bank, brs. E. and W.

39.42 Descend 40 ft., over N. slope.

42.19 Wash, 10 lks. wide, course W.

Ascend 57 ft., over S. slope, to  
 Intersect the original cor. of secs. 25, 30, 31 and 36, which is a malpais stone 12x8x6 ins. loosely set in a mound of stone, firmly marked with 5 notches on N., and 1 notch on S. edges. No accessories.

Reconstruct this cor. monument as follows: Destroy the old mound of stone, reset old cor. stone in same position, 9 ins. in the ground, and alongside same,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 25 and 36 only, marked on brass cap,

T20S	T20S
S25	S31
S36	
R13E	R14E

1923

No bearing trees available.  
 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 Fence cor. brs. W. 5 lks. dist., from which fences extend W., S. and N.

Land, rolling and mountainous.  
 Soil, gravelly and rocky, 3rd rate.  
 Timber, none.  
 Undergrowth, greasewood and ocotillo.  
 Good grass.

N. 0° 9' W., on true line on E. bdy. of sec. 25 (S.  $\frac{1}{2}$ ).  
 Over rolling land, thru. scattering undergrowth, along E. side of wire fence, bearing N. and S. at 5 lks. W. of line.

2.00 Ascend 5 ft., over S. slope.  
 Spur, slopes W.

2.75 Descend 71 ft., over N. slope.

10.25 Wire fence, brs. E. and W. Fence cor. brs. W. 5 lks. dist., from which fences extend E. and S.

10.99 Wash, 12 lks. wide, course W.  
 Ascend 15 ft., over S. slope, to

(93.36 chs. in northing from std. tp. cor.) Intersect the sectional correction line surveyed due west thru. T. 20 S., R. 14 E. Closing cor. of secs. 30 and 31 established at this point of intersection as hereinafter described.

Continue line and measurement.  
 Ascend 16 ft., over S. slope, to

## BOOK 3657

16 Resurvey of East bdy. of Township 20 South, Range 13 East.

Chains.

- 13.40 Top of N. bank of wash, brs. E. and W. and  $N. 30^{\circ} W.$   
Thence, over nearly level land, sloping SW.  
Ascend 24 ft., to
- 26.96 Low spur, slopes W. Enter rolling land.  
Descend 70 ft., over N. slope.
- 27.93 Road, brs. E. and W.
- 37.76 Wash, 20 lks. wide, course W.  
Ascend 61 ft., over S. slope, to
- 40.30 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, which  
is a limestone,  $8 \times 8 \times 6$  ins. above ground, firmly set,  
marked  $\frac{1}{4}$  on W. face, and witnessed by a mound of stone  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. No bearing trees.  
This cor. monument refers to the quarters of sec. 25 only.  
No change in marking or accessory is required.  
Thence,  
 $N. 0^{\circ} 23' W.$ , on true line, on E. bdy. of sec. 25 ( $N. \frac{1}{2}$ ).  
Over rolling land, thru. scattering undergrowth.  
Asc. 83 ft., over S. slope.
- 1.30 Spur, slopes W.  
Descend 24 ft., over N. slope, to
- 8.03 Wash, 10 lks. wide, course W.  
Descend gradually over W. slope, to
- 10.75 (Midpoint of W. bdy. of sec. 30) Set an iron post, 3 ft.  
long, 1 in. in diam., 27 ins. in the ground for reestab-  
lished  $\frac{1}{4}$  sec. cor. of sec. 30 only, marked on brass cap,
- S30  
1923
- No bearing trees available. Raise a mound of stone, 2 ft.  
base,  $1\frac{1}{2}$  ft. high, E. of cor.  
Continue line and measurement.  
Descend 10 ft., over W. slope.
- 16.84 Wash, 10 lks. wide, course W.  
Ascend 57 ft., over S. slope.
- 24.50 Spur, slopes W.  
Descend 40 ft., over NW. slope, to
- 33.50 Head of wash, course S.  $80^{\circ} W.$   
Ascend 34 ft., over S. slope.
- 35.60 Spur, slopes W.  
Descend 59 ft., over N. slope, to
- 39.81 Intersect the original cor. of secs. 19, 24, 25 and 30,  
which is a granite stone,  $12 \times 9 \times 5$  ins. above ground,  
firmly set, marked with 4 grooves on N. face, and 2  
grooves on S. face, and witnessed by a mound of stone  
2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. No bearing trees.  
This cor. monument now refers to secs. 24 and 25 only.  
No change in marking or accessory is required.  
Land, rolling.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
Timber, none.  
undergrowth, greasewood and catclaw.  
Good grass.
- 
- $N. 0^{\circ} 6' W.$ , on true line, on E. bdy. of sec. 24 (S.  $\frac{1}{2}$ ).  
Over rolling land, thru. scattering undergrowth.  
Descend 16 ft., over N. slope.
- 2.79 Wash, 20 lks. wide, course W.  
Ascend 98 ft., over S. slope, to
- 11.00 (80.12 chs. in northing from C.C. of secs. 30 and 31). Inter-  
sect the Subdivision line, bet. secs. 19 and 30, surveyed  
due west. Closing cor. of said secs. established at this  
point of intersection, as hereinafter described.  
Continue line and measurement.  
Ascend 33 ft., over S. slope, to
- 16.37 S. edge of top of spur, brs. E. and W. Thence over nearly  
level top of spur, sloping W.
- 19.17 N. edge of top of spur, brs. E. and W. Leave top of spur.  
Descend 45 ft., over N. slope to bank of wash.

## Resurvey of East bdy. of Township 20 South, Range 13 East. 17

## Chains.

- 30.14 Road, brs.E. and W. Extends northwesterly to Amado.
- 33.45 South bank of wash, brs.E. and W.  
Descend 38 ft., over N. slope, to
- 35.75 Wash, 30 lks. wide, course W.  
Ascend 40 ft., over S. slope, to
- 38.41 North bank of wash, brs.E. and W.  
Ascend 18 ft., over S. slope, to
- 40.50 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, which is a limestone, 12x11x6 ins. above ground, marked  $\frac{1}{4}$  S on W. face, and witnessed by a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
No bearing trees.  
This cor. monument now refers to the quarters of sec. 24 only. No change in marking or accessory is required.  
Thence,  
N.  $0^{\circ}18'$  W., on true line, on E. bdy. of sec. 24 (N.  $\frac{1}{2}$ ).  
Over rolling land, thru. scattering undergrowth.  
Ascend 35 ft., over S. slope.
- 8.48 Ridge, brs.E. and W. Enter mountainous land.  
Descend 34 ft., over N. slope, to
- 10.49 (Midpoint of W. bdy. of sec. 19). Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor. of sec. 19 only, marked on brass cap,  
18 19  
1923.
- No bearing trees available.  
Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor.  
Continue over mountainous land, thru. scattering undergrowth.  
Descend 98 ft., over N. slope.
- 18.51 Wash, 15 lks. wide, course W. Enter rolling land.  
Ascend 85 ft., over S. slope.
- 34.19 Spur, slopes N.  $80^{\circ}$  W.  
Descend 83 ft., over N. slope, to
- 40.16 Intersect the original cor. of secs. 13, 18, 19 and 24, which is a granite stone 8x8x8 ins. above ground, firmly set, marked with 3 notches on each of N. & S. edges, and witnessed by a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. No bearing trees.  
This cor. monument now refers to secs. 13 and 24 only.  
No change in marking or accessory is required.  
Land, rolling, and mountainous.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, ocotillo and greasewood.  
Good grass.
- 
- N.  $0^{\circ}37'$  W., on true line, on E. bdy. of sec. 13 (S.  $\frac{1}{2}$ ).  
Over rolling land, thru. scattering undergrowth.  
Descend 24 ft., over N. slope.
- 4.20 Wash, 10 lks. wide, course W.  
Ascend 76 ft., over S. slope, to closing cor.
- 10.04 Wire fence, brs.E. and W.
- 10.32 (79.98 chs. in northing from C.C. of secs. 19 and 30) Intersect the Subdivision line bet. secs. 18 and 19, surveyed due west. Closing cor. of said secs. established at this point of intersection, as hereinafter described.  
Continue line and measurement.  
Ascend 51 ft., over S. slope.
- 18.60 Spur, slopes W.  
Descend 25 ft., over N. slope, to
- 28.80 South bank of wash, brs.E. and W. Enter mountainous land.  
Descend 64 ft., over N. slope.
- 31.33 Wash, 10 lks. wide, course W.  
Ascend 102 ft., over SW. slope, to
- 39.91 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 13 and 18, which is a limestone 12x8x6 ins. above ground, firmly set, marked  $\frac{1}{4}$  S on W. face, and witnessed by a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. No bearing trees.

## BOOK 3657

18 Resurvey of East bdy. of Township 20 South, Range 13 East.

Chains.

- This cor. monument now refers to the quarters of sec. 13 only. No change in marking or accessory is required. Thence, N. 0° 36' E., on true line on E. bdy. of sec. 13 (N.  $\frac{1}{2}$ ). Over mountainous land, thru: scattering undergrowth. Ascend 25 ft., over SW. slope.
- 2.17 NW. end of ridge, bearing N: 60° W. and S: 60° E.
- 10.51 Descend 45 ft., over N. slope, to (Midpoint of W. bdy. of sec. 18); Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor. of sec. 18 only, marked on brass cap,
- |  $\frac{1}{4}$ S 18  
1923
- No bearing trees available. Raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, E. of cor. Descend 93 ft., over N. slope.
- 16.26 Agua Caliente Wash, 50 lks. wide, in bottom of canyon, course W. Fringe of timber along both sides of wash. Ascend 152 ft., over SW. slope.
- 21.52 Point of spur, slopes W. Descend 89 ft., over NW. slope.
- 28.11 Wash, 15 lks. wide, in gulch, course W. Ascend 38 ft., over SW. slope.
- 30.03 Point of spur, slopes SW. Descend 54 ft., over NW. slope.
- 32.71 Wash, 20 lks. wide, course SW. Ascend 103 ft., over S. slope, to
- 40.05 Intersect the original cor. of secs. 7, 12, 13 and 18, which is a quartz stone 16x12x8 ins., loosely set, dimly marked with 2 notches on N. edge, and 4 notches on S. edge, and witnessed by two bearing trees, as follows:  
A palo verde, 10 ins. in diam., N. 25° E., 100 lks. dist., marked T20S R14E S7 BT.  
A mesquite, 10 ins. in diam., N. 9° W., 252 lks. dist., marked T20S R13E S12 BT.
- Reconstruct this cor. monument as follows: Reset same stone in its original position, 12 ins. in the ground for cor. of secs. 12 and 13 only, obliterate marking "S7" on the old NE. bearing tree. No other bearing tree W. of line available. Raise a mound of stone 2 ft. base, 1  $\frac{1}{2}$  ft. high, W. of cor. on E. end of ridge. No bearing trees available.
- Land, rolling and mountainous.  
Soil, sandy, gravelly and rocky, 2nd and 3rd rate.  
Timber, palo verde, mesquite and oak along the Agua Caliente Wash, and near N. end of mile. None elsewhere.  
Undergrowth, greasewood, ocotillo and scrub mesquite.  
Good grass.
- 
- N. 0° 26' W., on true line on E. bdy. of sec. 12 (S.  $\frac{1}{2}$ ). Over mountainous land, thru: scattering undergrowth. Ascend 41 ft., over S. slope.
- 8.88 Spur, slopes W. Descend 36 ft., over NW. slope, to
- 10.55 (80.19 chs. in northing from C.C. of secs. 18 and 19) Intersect the subdivision line bet. secs. 7 and 18, surveyed due west. Closing cor. of said secs. established at this point, as hereinafter described. Continue line and measurement.
- Descend 55 ft., over NW. slope.
- 13.49 Wash, 15 lks. wide, in gulch, course SW. Ascend 157 ft., over SW. slope.
- 14.61 Wire fence, brs. NE. and SW.
- 19.55 Spur, slopes W. Descend 115 ft., over N. slope.



Resurvey of East bdy. of Township 20 South, Range 13 East. 19

chains.

28.84 Wash, 30 lks. wide, in gulch, course W.  
 Ascend 190 ft. over S. slope, to  
 40.42 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 7 and 12, which is a limestone, 14x12x8 ins. above ground, firmly set, marked  $\frac{1}{4}$  S on W face, and witnessed by a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. No bearing trees. This cor. monument now refers to the quarters of sec. 12 only. No change in marking or accessory is required. Thence, N. 0° 36' W., on true line, on E. bdy. of sec. 12 (N. S). Over mountainous land, thru. scattering undergrowth. Ascend 168 ft., over S. slope.  
 9.05 Spur, slopes W.  
 Descend 13 ft., over N. slope, to  
 10.12 (Midpoint of W. bdy. of sec. 7) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for reestablished  $\frac{1}{4}$  sec. cor. of sec. 7 only, marked on brass cap,

S 7  
 1923

No bearing trees available.  
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, E. of cor.  
 Descend 63 ft., over N. slope, to  
 14.37 Head of gulch, course W.  
 Ascend 112 ft. over SW. slope.  
 24.28 Spur, slopes NW.  
 Descend 204 ft., over steep N. slope.  
 31.70 Wash, 10 lks. wide, in gulch, course W.  
 Ascend 222 ft., over steep S. slope, to  
 41.60 Intersect the original cor. of secs. 1, 6, 7 and 12, which is a granite stone 16x12x8 ins. above ground, firmly set, marked with 1 notch on N. edge and 5 notches on S. edge, and witnessed by a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.  
 No bearing trees.  
 This cor. monument now refers to secs. 1 and 12 only. No change in marking or accessory is required.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd rate.  
 Timber, none.  
 Undergrowth, greasewood, scrub palo verde, and ocotillo.  
 Good grass.

N. 0° 59' E., on true line, on E. bdy. of sec. 1 (S.  $\frac{1}{4}$ )  
 Over mountainous land, thru. scattering undergrowth.  
 Ascend 85 ft., over SE. slope, to  
 8.52 (79.99 chs. in northing from C.C. of secs. 7 and 18), Intersect the Subdivision line bet. secs. 6 and 7, surveyed due west. Closing cor. of said secs. established at this point of intersection, as hereinafter described. Continue line and measurement.  
 Ascend 102 ft., over SE. slope, to  
 16:50 Saddle in ridge, bearing SE. and NW.  
 Descend 409 ft., over NE. slope, to  
 37.32 Wash, 10 lks. wide, course NE. near head.  
 Descend 10 ft., over steep E. slope, to  
 40.85 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 1 and 6, which is a cross (x) on E. face of granite cliff about 3 ft. above base, and  $\frac{1}{4}$  S above and a little W. of cross, and witnessed by a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high, at foot of cliff, E. of cor. point. Impracticable to raise mound W., No bearing trees. This cor. point now refers to the quarters of sec. 1 only. No change in marking or accessory is required.  
 Thence, N. 0° 39' W., on true line, on E. bdy. of sec. 1 (N. S).

## BOOK 3657

20 Resurvey of E. bdy. of Township 20 South, Range 13 East.

Chains.

- Over mountainous land, thru. scattering undergrowth.  
Ascend 52 ft., over SE. slope.
- 2.58 Spur, slopes NE.
- 7.67 Descend 52 ft., over NW. slope, to  
(40.00 chs. in northing from the closing cor. of secs. 6 and 7)
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished  $\frac{1}{2}$  sec. cor. of sec. 6 only, marked on brass cap,

Ts 6

1923

- No bearing trees available.
- Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor.
- 10.82 Descend 27 ft., over NW. slope, to  
Head of gulch, course NE.
- 15.78 Descend 40 ft., over E. slope.
- 19.76 Ascend 30 ft., over SE. slope.
- Point of spur, slopes NE.
- 38.78 Descend 215 ft., over N. slope, to  
(71.10 chs. in northing from C.C. of secs. 6 and 7) Intersect the original cor. of Ts. 19 and 20 S., Rs. 13 and 14 E., which is a granite stone, 6x8x4 ins. above ground, firmly set, dimly marked with 6 notches on each of N., E., S. and W. edges, and witnessed by a mound of stone 3 ft. base, 2 ft. high, W. of cor. No bearing trees.
- Reconstruct this cor. monument as follows:  
Alongside old stone, set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in the ground for cor. of Ts. 19 and 20 S., Rs. 13 and 14 E., marked on brass cap,

T19S	
R13E	R14E
S36	S31
S 1	S 6
T20S	
1923	

No bearing trees available. Destroy the old mound of stone, W. of cor. and raise a new mound of stone, 3 ft. base, 2 ft. high, S. of cor.

Land, mountainous.

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

Timber, none.

Undergrowth, greasewood, scrub palo verde, and ocotillo.

Fair grass.

Chains.

- From the reestablished std.cor. of Ts.20 S.,Rs.14 and 15 E., on the 4th Std.Par.S., hereinbefore described, North, on true line, bet.secs.31 and 36.
- Over mountainous land, thru. scattering timber and undergrowth.
- Ascend 82 ft., over SW. slope.
- 4.10 Point of spur, slopes S.80°W.
- Descend 209 ft., over NW. slope.
- 9.72 Wash, 10 lks.wide, course S.80°W.
- Ascend 65 ft., over SE.slope, to
- 14.00 Point of spur, slopes SW.
- Ascend 50 ft., over W.slope.
- 17.80 Descend 19 ft., over NW.slope.
- 21.08 Wash, 15 lks.wide, course SW.
- Ascend 165 ft., over SE.slope.
- 25.80 Point of spur, slopes E.
- Descend 21 ft., over NE.slope.
- 27.16 Wash, 5 lks.wide, course S.80°E., near head.
- Ascend 68 ft., over S.slope.
- 36.65 Spur, slopes SE.
- Descend 32 ft., over NE.slope.
- 37.76 Head of wash, 10 lks.wide, course S.80°E.
- Ascend 39 ft., over SE.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
 S36 | S31  
 1923

- from which,
- A juniper, 24 ins.in diam., brs.N.78°W., 44 lks. dist., marked  $\frac{1}{4}$  S 36 BT.
- A juniper, 14 ins.in diam., brs.S.33°E., 83 lks. dist., marked  $\frac{1}{4}$  S 31 BT.

- Ascend 17 ft., over SE.slope.
- 41.76 Ridge, brs.E. and W.
- Descend 246 ft., over steep N.slope, to
- 47.89 Wash, 10 lks.wide in head of gulch, course NE.
- Descend 180 ft., over NE.slope.
- 62.20 Wash, 20 lks.wide, containing a stream of water, 2 lks.wide, 2 ins.deep, course N.30°W. in bottom of canyon.
- Ascend 83 ft., over SW.slope.
- 69.08 Spur, slopes NW.
- Descend 137 ft., over NE.slope.
- 78.70 Wash, 10 lks.wide, course NW.
- Ascend 40 ft., over SW.slope, to
- 80.00 Set an iron post, 3 ft.long, 2 ins.in diam., 27 ins. in the ground for cor.of secs.25, 30, 31 and 36, marked on brass cap,

T20N  
 R14E | R15E  
 S25 | S30  
 S36 | S31  
 1923

- from which,
- A juniper, 12 ins. in diam., brs.S.35 $\frac{1}{2}$ °E., 107 lks.dist., marked T20S R15E S31 BT.
- A juniper, 12 ins.in diam., brs.S.26 $\frac{3}{4}$ °W., 126 lks.dist., marked T20S R14E S36 BT.
- A pine, 12 ins.in diam., brs.S.44 $\frac{1}{2}$ °W., 85 lks.dist., marked T20S R14E S36 BT.
- No other bearing trees available.

Raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$  ft.high, W.of cor.  
 Land, mountainous.  
 Soil, rocky, 3rd rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub oak, manzanita and mountain mahogany.  
 Fair grass.

## BOOK 3657

22 Survey of East bdy. of Township 20 South, Range 14 East.

Chains.

- North, on true line, bet. secs. 25 and 30.  
Over mountainous land, thru. dense timber and undergrowth.  
Ascend 28 ft., over steep SW. slope.
- .32 Point of spur, slopes W.  
Descend 87 ft. over NW. slope.
- 3.41 Wash, 8 lks. wide in gulch, course SW.  
Ascend 93 ft., over SE. slope.
- 5.90 Point of spur, slopes SW.  
Descend 54 ft., over NW. slope.
- 7.70 Wash, 10 lks. wide, course W. from NE.  
Ascend 145 ft., over S. slope.
- 17.15 Point of spur, slopes SW.  
Descend 89 ft., over NW. slope.
- 21.00 Wash, 15 lks. wide, in gulch, course SW.  
Ascend 327 ft., over SE. slope.
- 35.50 Spur, slopes SW.  
Descend 70 ft., over NW. slope.
- 37.79 Wash, 15 lks. wide; course SW.  
Ascend 60 ft., over SE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S25	S30
-----	-----

1923

from which,

A juniper, 8 ins. in diam., brs. S.  $21\frac{1}{2}^{\circ}$  E., 80  
lks. dist., marked  $\frac{1}{4}$  S 30 BT.

A pine, 8 ins. in diam., brs. S.  $53\frac{1}{2}^{\circ}$  W., 61 lks.  
dist., marked  $\frac{1}{4}$  S 25 BT.

- Ascend 143 ft., over steep SE. slope.
- 44.20 Spur, slopes SW.  
Descend 120 ft., over NW. slope.
- 52.25 Wash, 15 lks. wide, in gulch, course SW.  
Ascend 304 ft., over SE. slope.
- 62.75 Spur, slopes SW.  
Descend 150 ft., over NW. slope.
- 64.47 Wash, 20 lks. wide in gulch, course W.  
Ascend 53 ft., over SW. slope.
- 65.50 Point of spur, slopes SW.  
Descend 25 ft., over NW. slope.
- 68.54 Wash, 10 lks. wide, course SW.  
Ascend 229 ft., over SE. slope, to
- 80.00 Ridge, brs. NE. and SW. Set an iron post, 3 ft. long, 2 ins.  
in diam., 27 ins. in the ground for cor. of secs. 19, 24,  
25 and 30, marked on brass cap,

T20S

R14E	R15E
------	------

S24	S19
-----	-----

S25	S30
-----	-----

1923

from which,

A cedar, 4 ins. in diam., brs. N.  $45^{\circ}$  E., 7 lks.  
dist., marked BT.

An oak, 6 ins. in diam., brs. S.  $87\frac{1}{2}^{\circ}$  W., 36 lks.  
dist., marked T20S R14E S25 BT.

An oak, 12 ins. in diam., brs. S.  $32\frac{1}{2}^{\circ}$  E., 51 lks.  
dist., marked T20S R15E S30 BT.

A cedar, 4 ins. in diam., brs. N.  $28\frac{1}{2}^{\circ}$  W., 28 lks.  
dist., marked BT.

Land, mountainous.

Soil, rocky, 3rd and 4th rate.

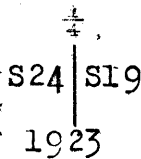
Timber, pine, cedar, oak and juniper.

Undergrowth, scrub oak, manzanita, mountain mahogany and  
scrub cedar.

Good grass.

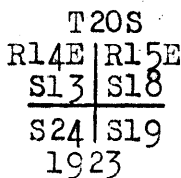
Chains.

North on true line, bet. secs. 19 and 24.  
 Over mountainous land, thru. dense timber and undergrowth.  
 Descend 287 ft., over steep NW. slope, to  
 11.01 Wash, 30 lks. wide, course W.  
 Ascend 20 ft., over SW. slope.  
 12.65 Point of spur, slopes SW.  
 Descend 53 ft., over NW. slope.  
 17.50 Wash, 20 lks. wide, course SW.  
 Ascend 268 ft., over SE. slope.  
 31.82 Spur, slopes SW.  
 Descend 46 ft., over NW. slope.  
 37.34 Wash, 10 lks. wide, course SW.  
 Ascend 34 ft., over SE. slope, to  
 40.00 Spur, slopes SW. Set an iron post, 3 ft. long, 1 in. in  
 diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on  
 brass cap,



from which,  
 An oak, 4 ins. in diam., brs. N. 80° W., 26 lks.±  
 dist., marked BT.  
 A cedar, 12 ins. in diam., brs. S. 26 $\frac{1}{2}$ ° E., 20 lks.±  
 dist., marked  $\frac{1}{4}$  S 19 BT.

Descend 36 ft., over NW. slope.  
 44.60 Wash, 20 lks. wide, course SW.  
 Ascend 59 ft., over SE. slope.  
 48.00 Spur, slopes SW.  
 Descend 12 ft., over NW. slope.  
 49.70 Center of wash, 100 lks. wide, course SW. Enter scattering  
 timber.  
 Ascend 147 ft., over SE. slope, to  
 57.10 Wash, 5 lks. wide, course SE.  
 Ascend 86 ft., over SW. slope.  
 58.70 Spur, slopes SE.  
 Ascend 48 ft., over steep E. slope, to  
 62.45 Head of gulch, course SE.  
 Ascend 242 ft., over steep SE. slope.  
 68.80 Ridge, brs. NE. and SW.  
 Descend 50 ft., over NW. slope.  
 76.45 Wash, 8 lks. wide, course NW. near head.  
 Ascend 11 ft., over SW. slope.  
 77.75 Point of spur, slopes NW.  
 Descend 33 ft., over NW. slope.  
 79.15 Wash, 5 lks. wide, course NW.  
 Ascend 20 ft., over SW. slope, to  
 80.00 Point of spur, slopes NW. Set an iron post, 3 ft. long, 2  
 ins. in diam., 27 ins. in the ground, for cor. of secs.  
 13, 18, 19 and 24, marked on brass cap,



No bearing trees available. Raise a mound of stone, 2 ft.  
 base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.  
 Soil, rocky, 3rd and 4th rate.  
 Timber, pine, juniper, cedar and oak.  
 Undergrowth, scrub oak, manzanita and mountain mahogany.  
 Fair grass.

North, on true line, bet. secs. 13 and 18.  
 Over mountainous land, thru. scattering timber and dense  
 undergrowth.  
 Descend 5 ft., over N. slope.

## BOOK 3657

24 Survey of East boundary of Township 20 South, Range 14 East.

Chains.

- 1.12 Wash, 5 lks.wide, course W.  
Ascend 50 ft., over SW.slope.
- 3.30 Point of spur, slopes W.  
Descend 6 ft., over NW.slope.
- 4.10 Wash, 6 lks.wide, course W.  
Ascend 48 ft., over S.slope.
- 6.00 Point of spur, slopes SW.  
Ascend 18 ft., over W.slope, to
- 10.75 Wash, 8 lks.wide, course SW.  
Ascend 72 ft., over SE.slope, to
- 13.50 Spur, slopes SW.  
Ascend 25 ft., over W.slope, to
- 15.70 Wash, 10 lks.wide, course SW.  
Ascend 370 ft., over steep SE.slope.
- 17.10 Forest Service pack trail, brs.NW. and SE.
- 31.32 Spur, slopes SW.  
Ascend 22 ft., over steep W.slope, to
- 32.60 Head of wash, course W.  
Ascend 55 ft., over W.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins.in  
the ground for  $\frac{1}{4}$  sec.cor., marked on brass cap,

S13 | S18

1923

from which,

An oak, 5 ins. in diam., brs.S.32 $\frac{1}{2}$ °E., 34 lks.  
dist., marked  $\frac{1}{4}$ S 18 BT.A pine, 8 ins. in diam., brs.S.79 $\frac{1}{2}$ °W., 41 lks.  
dist., marked  $\frac{1}{4}$ S 13 BT.

- Ascend 91 ft., over W.slope, to
- 46.00 Wash, 5 lks.wide, course SW.  
Ascend 175 ft., over S.slope.
- 51.75 Main ridge of the Santa Rita Mountains, brs.E. and W.The  
top of Mt. Baldy brs.E. about 35 chs.dist.
- Descend 135 ft., over NW.slope, to
- 55.85 Wash, 5 lks.wide, course W.  
Descend 24 ft., over W.slope.
- 61.38 Wash, 6 lks.wide, course W.  
Ascend 101 ft., over S.slope.
- 70.31 Spur, slopes W.  
Descend 142 ft., over NW.slope to sec.cor.
- 78.80 Forest Service telephone line from Tucson, Arizona to look-  
out station on top of Mt. Baldy, brs.NE. and SW.
- 78.99 Pack trail, brs.NE. and SW.
- 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins. in  
the ground, for cor.of secs.7,12,13 and 18, marked on  
brass cap,

T20S  
R14E | R15E  
S12 | S 7  
S13 | S18

1923

from which,

A pine, 16 ins. in diam., brs.N.47 $\frac{1}{2}$ °E., 32 lks.  
dist., marked T20S R15E S7 BT.A pine, 20 ins. in diam., brs.S.69 $\frac{1}{2}$ °E., 124 lks.  
dist., marked T20S R15E S18 BT.A pine, 12 ins. in diam., brs.S.68 $\frac{1}{2}$ °W., 40 lks.  
dist., marked T20S R14E S13 BT.A pine, 16 ins. in diam., brs.N.42 $\frac{1}{2}$ °W., 25 lks.  
dist., marked T20S R14E S12 BT.

Land, mountainous.

Soil, stony, 3rd and 4th rate.

Timber, pine, oak and juniper.

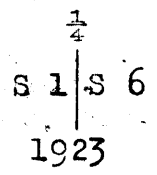
Undergrowth, scrub oak and mountain mahogany.

Fair grass.

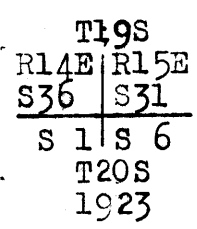
# BOOK 3657

26 Survey of East bdy. of Township 20 South, Range 14 East.

Chains.



- from which,
- An oak, 8 ins. in diam., brs. N.  $87\frac{1}{2}^{\circ}$  E., 10 lks. dist., marked  $\frac{1}{4}$  S 6 BT.
- An oak, 4 ins. in diam., brs. N.  $51\frac{1}{2}^{\circ}$  W., 19 lks. dist., marked, BT.
- Ascend 28 ft., over SW. slope.
- 41.33 Point of spur, slopes W.
- Descend 287 ft., over steep NW. slope.
- 50.25 Wash, 15 lks. wide, in bottom of ravine, course W.
- Ascend 316 ft., over steep S. slope.
- 59.58 Spur, slopes W.
- Descend 15 ft., over NW. slope.
- 61.45 Head of wash, course W.
- Ascend 126 ft., over SW. slope, to
- 71.64 Intersect random N. bdy. of T. 20 S., R. 14 E. run due East from original cor. of Ts. 19 and 20 S., Rs. 13 and 14 E., as hereinafter described.
- At this point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in the ground for cor. of Ts. 19 and 20 S., Rs. 14 and 15 E., marked on brass cap,



- from which,
- A pine, 8 ins. in diam., brs. N.  $57\frac{1}{2}^{\circ}$  E., 82 lks. dist., marked T19S R15E S31 BT.
- A pine, 10 ins. in diam., brs. S.  $14\frac{1}{2}^{\circ}$  E., 75 lks. dist., marked T20S R15E S6 BT.
- A pine, 16 ins. in diam., brs. S.  $43\frac{3}{4}^{\circ}$  W., 88 lks. dist., marked T20S R14E S1 BT., and
- A pine, 26 ins. in diam., brs. N.  $40\frac{1}{2}^{\circ}$  W., 77 lks. dist., marked T19S R14E S36 BT.
- Land, mountainous.
- Soil, gravelly and rocky, 3rd and 4th rate.
- Timber, oak, juniper and pine.
- Undergrowth, mountain mahogany and scrub oak.
- Good grass.

BOOK 3657

Survey of East bdy. of Township 20 South, Range 14 East. 25

Chains.

- North, on true line, bet. secs. 7 and 12.  
Over mountainous land, thru. dense timber and undergrowth.  
Descend 455 ft., over NW. slope.  
21.35 Wash, 10 lks. wide, in gulch, course W. Asc. 45 ft., over S. slope.  
27.68 Spur, slopes W.  
Descend 218 ft., over steep N. slope.  
32.29 Wash, 10 lks. wide, in gulch, course W.  
Ascend 95 ft., over S. slope.  
37.30 Spur, slopes W.  
Descend 37 ft., over N. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S12 | S 7  
 1923

from which,

- A pine, 18 ins. in diam., brs. N.  $30\frac{1}{2}^{\circ}$  E., 43 lks.  
dist., marked  $\frac{1}{4}$  S 7 BT.  
A pine, 24 ins. in diam., brs. N.  $74\frac{1}{2}^{\circ}$  W., 9 lks.  
dist., marked  $\frac{1}{4}$  S 12 BT.  
Descend 110 ft., over NW. slope.  
43.10 Wash, 8 lks. wide, course NW.  
Ascend 46 ft., over SW. slope.  
49.75 Spur, slopes NW.  
Descend 144 ft., over steep NE. slope.  
53.80 Wash, 10 lks. wide, in gulch, course NW.  
Ascend 160 ft., over SW. slope.  
65.93 Spur, slopes NW.  
Descend 300 ft., over steep NE. slope.  
74.34 Wash, 15 lks. wide, in bottom of canyon, course NW.  
Ascend 116 ft., over SW. slope, to  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins.  
in the ground for cor. of secs. 1, 6, 7 and 12, marked  
on brass cap,

T20S  
 R14E | R15E  
 S 1 | S 6  
 S12 | S 7  
 1923

from which,

- An oak, 8 ins. in diam., brs. N.  $29\frac{1}{2}^{\circ}$  E., 32 lks.  
dist., marked T20S R15E S6 BT.  
An oak, 12 ins. in diam., brs. S.  $12^{\circ}$  E., 52 lks.  
dist., marked T20S R15E S 7 BT.  
An oak, 8 ins. in diam., brs. S.  $77^{\circ}$  W., 36 lks.  
dist., marked T20S R14 E S12 BT.  
An oak, 12 ins. in diam., bears N.  $32\frac{3}{4}^{\circ}$  W., 24 lks.  
dist., marked T20S R14E S1 BT.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper, pine and oak.  
Undergrowth, mountain mahogany and scrub oak.  
Good grass.

- North, on true line, bet. secs. 1 and 6.  
Over mountainous land, thru. dense timber and under-  
growth. Asc. 353 ft., over steep SW. slope.  
13.75 Spur, slopes NW.  
Descend 534 ft., over NE. slope.  
33.85 Wash, 20 lks. wide, in bottom of ravine, course NW.  
Ascend 152 ft., over SW. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,



Chains.

From the cor. of Ts. 19 and 20 S., Rs. 13 and 14 E., hereinbefore described, East, on a random line, setting temp.  $\frac{1}{4}$  sec. and sec. cors. alternately at intervals of 40.00 chs.; and at 488.50 chs., intersect the E. bdy. of T. 20 S., R. 14 E., surveyed north, at 471.64 chs. N. from the std. cor. of Ts. 20 S., Rs. 14 and 15 E.

At this point of intersection, establish the cor. of Ts. 19 and 20 S., Rs. 14 and 15 E., as hereinbefore described.

Thence,

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

Over mountainous land, thru. dense timber and undergrowth. Descend 80 ft., over SW. slope, to

3.17 Spur, slopes S. 80° W.

Descend 874 ft., over steep NW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 36  
S 1  
1923

from which,

An oak, 10 ins. in diam., brs. N. 72° E., 15 lks. dist., marked  $\frac{1}{4}$  S 36 BT.

An oak, 12 ins. in diam., brs. S. 45° E., 32 lks. dist., marked  $\frac{1}{4}$  S 1 BT.

Descend 500 ft., over steep NW. slope.

58.60 Intersect E. side line (2-3) of the "Daniels No. 9" unpatented lode mining claim, Mineral Survey No. 3747, at a point, 7.50 chs. S. 13° 39' W. from cor. No. 3 (NE. cor.) thereof. Thence across said claim and "Daniels No. 10" claim of same mineral survey.

60.00 Enter wash, 40 lks. wide, course W. from NE.

Descend 24 ft., in wash to

61.70 Leave wash, course SW. from E.

Descend 64 ft., over SW. slope, to

65.75 Wash, 60 lks. wide, course SW.

Descend 25 ft., over S. slope, to

67.20 Point of spur, slopes SW.

Descend 20 ft., over SW. slope.

68.76 Wash, 30 lks. wide, course SW.

Ascend 10 ft., over SE. slope.

69.94 Point of spur, slopes S.

Descend 57 ft., over SW. slope.

72.72 Wash, 5 lks. wide, course S.

Ascend 15 ft., over SE. slope.

73.60 Descend 28 ft., over SW. slope.

77.30 Wash, 5 lks. wide, course S., near head.

Ascend 10 ft., over SE. slope.

77.34 Intersect W. side line (1-4) of the "Daniels No. 10" unpatented lode mining claim, Mineral Survey No. 3747 at a point 2.57 chs. S. 13° 39' W. from cor. No. 4 thereof.

Leave mining claims.

79.00 Point of spur, slopes SW.

Descend 17 ft., over W. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, supported in a mound of stone for cor. of secs. 1, 2, 35 and 36, marked on brass cap,

T19S | R14E  
S35 | S36  
S 2 | S 1  
T20S  
1923

from which,

A juniper, 4 ins. in diam., brs. N. 38 $\frac{1}{2}$ ° E., 54 lks. dist., marked BT.

A juniper, 4 ins. in diam., brs. S. 26° E., 52 lks. dist., marked BT.

# BOOK 3657

28 Survey of North bdy. of Township 20 South, Range 14 East.

Chains.

An oak, 8 ins. in diam., brs. S. 88<sup>3</sup>/<sub>4</sub>° W., 38 lks. dist., marked T20S R14E S2 BT.  
 A juniper, 5 ins. in diam., brs. N. 57<sup>1</sup>/<sub>2</sub>° W., 38 lks. dist., marked T19S R14E S35 BT.  
 From this cor., U.S.L.M. No. 3747 brs. S. 16° 07' W.  
 Cor. No. 4 of the Daniels Lode claim, survey No. 3747, brs. N. 52° 22' E., 4.10 chs. dist.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper, pine and oak.  
 Undergrowth, scrub oak, and scrub juniper.  
 Good grass.

- 14.27 West, on true line, bet. secs. 2 and 35.
- 21.57 Over mountainous land, thru. dense timber and undergrowth. Descend 205 ft., over W. slope.
- 26.42 Old road, brs. NW. and SE.
- 28.79 Wash, 20 lks. wide, 18 ft. deep, course NW.
- 35.97 Descend 38 ft., over NW. slope, to Forest Service Telephone line from Tucson, Arizona, to Lookout station on summit of Mt. Baldy, brs. NW. and SE.
- 36.42 Road, brs. NW. and SE.
- 38.40 A cabin, brs. S. 10 lks. dist.
- 39.90 Road, brs. N. and S.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor., marked on brass cap,

$\frac{1}{4}$  S 35  
 S 2  
 1923

from which,  
 A juniper, 40 ins. in diam., brs. N. 8<sup>3</sup>/<sub>4</sub>° E., 9 lks. dist., marked  $\frac{1}{4}$  S 35 BT.  
 An oak, 7 ins. in diam., brs. S. 20° E., 45 lks. dist., marked  $\frac{1}{4}$  S 2 BT.

- 40.90 Descend 9 ft., over NW. slope.
- 49.18 Bottom of Madera Canyon, 50 lks. wide, containing a stream of running water, 4 lks. wide, 6 ins. deep, course N.
- 62.75 Ascend 105 ft., over NE. slope, to Wash, 5 lks. wide, course NE. near head.
- 77.10 Ascend 323 ft. over E. slope.
- 80.00 Spur, slopes N. 10° E.
- Descend 282 ft., over steep W. slope.
- Wash, 10 lks. wide, in gulch, course NW.
- Ascend 18 ft., over NE. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

T19S	R14E
S34	S35
S 3	S 2
T20S	
1923	

from which,  
 An oak, 8 ins. in diam., brs. N. 55<sup>1</sup>/<sub>2</sub>° E., 87 lks. dist., marked T19S R14E S35 BT.  
 A juniper, 12 ins. in diam., brs. S. 29° E., 50 lks. dist., marked T20S R14E S2 BT.  
 A pine, 10 ins. in diam., brs. S. 26° W., 53 lks. dist., marked T20S R14E S3 BT.  
 A juniper, 24 ins. in diam., brs. N. 25° W., 119 lks. dist., marked T19S R14E S34 BT.

Land, mountainous.  
 Soil, gravelly, 2nd and 3rd rate.

## BOOK 3657

Survey of North bdy. of Township 20 South, Range 14 East. 29

Chains.

Timber, pine, juniper, sycamore and oak.  
Undergrowth, scrub oak and scrub juniper.  
Good grass.

West, on true line, bet. secs. 3 and 34.  
Over mountainous land, thru scattering timber and dense undergrowth.

- Ascend 10 ft., over NE. slope.  
1.80 Descend 24 ft., over NW. slope.  
3.89 Wash, 5 lks. wide, course NE.  
Ascend 145 ft., over E. slope.  
12.52 Spur, slopes N.  
Descend 108 ft., over W. slope.  
17.07 Wash, 5 lks. wide, course N.  
Ascend 10 ft., over E. slope.  
19.16 Spur, slopes N.  
Descend 70 ft., over W. slope.  
23.36 Wash, 10 lks. wide, course N.  
Ascend 9 ft., over E. slope.  
24.41 Spur, slopes N.  
Descend 73 ft., over W. slope.  
30.16 Wash, 5 lks. wide, course N.  
Ascend 6 ft., over E. slope.  
31.04 Spur, slopes N.  
Descend 110 ft., over W. slope.  
38.96 Wash, 20 lks. wide, course N.  
Ascend 9 ft., over E. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 34  
S 3  
1923

No bearing trees available. Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

- Ascend 31 ft. over E. slope.  
41.73 Point of spur, slopes NE.  
Descend 29 ft., over NW. slope.  
44.80 Head of wash, course NE.  
Ascend 34 ft., over E. slope.  
50.45 Spur, slopes N.  
Descend 43 ft., over W. slope.  
55.88 Wash, 10 lks. wide, course N.  
Ascend 242 ft., over steep NE. slope.  
62.25 Point of spur, slopes N.  
Descend 20 ft., over NW. slope.  
68.65 Wash, 8 lks. wide, course N.  
Ascend 163 ft., over NE. slope.  
74.85 Point of spur, slopes N.  
Descend 25 ft., over NW. slope.  
75.95 Wash, 5 lks. wide, course N.  
Ascend 25 ft., over E. slope, to  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T19S | R14E  
S33 | S34  
S 4 | S 3  
T20S  
1923

from which,

- An oak, 4 ins. in diam., brs. N.  $35\frac{1}{2}^{\circ}$  E., 36 lks. dist., marked BT.  
A juniper, 10 ins. in diam., brs. S.  $14^{\circ}$  E., 95 lks. dist., marked T20S R14E S 3 BT.  
An oak, 8 ins. in diam., brs. S.  $51\frac{1}{2}^{\circ}$  W., 37 lks. dist., marked T20S R14E S4 BT., and

## BOOK 3657

30 Survey of North bdy. of Township 20 South, Range 14 East.

Chains.

- An oak, 6 ins. in diam., brs. N.  $81\frac{1}{2}^{\circ}$  W., 50 lks.  
dist., marked T19S R14E S33 BT.
- Land, mountainous.  
Soil, gravelly, 3rd rate.  
Timber, juniper, pine and oak.  
Undergrowth, scrub oak and scrub juniper.  
Good grass.
- 
- West, on true line, bet. secs. 4 and 33.  
Over mountainous land, thru. scattering timber and dense undergrowth.  
Ascend 20 ft., over steep E. slope.
- 1.00 Spur, slopes N.  $20^{\circ}$  W.  
Descend 279 ft., over W. slope.
- 10.47 Wash, 15 lks. wide, course N.  $20^{\circ}$  W.  
Ascend 57 ft., over NE. slope, to
- 16.31 Wash, 5 lks. wide, course NE., near head.  
Ascend 20 ft., over E. slope.
- 19.41 Point of spur, slopes N.  
Descend 32 ft., over NW. slope.
- 22.53 Wash, 6 lks. wide, course NE.  
Ascend 10 ft., over E. slope.
- 25.15 Point of spur, slopes NE.  
Descend 15 ft., over NW. slope.
- 26.00 Wash, 8 lks. wide, course NE., near head.  
Ascend 162 ft., over E. slope.
- 33.00 Spur, slopes N.  
Descend 143 ft., over W. slope, to
- 36.25 Wash, 5 lks. wide, course NW. near head.  
Descend 107 ft., over NW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,
- + S 33  
S 4  
1923
- No bearing trees available. Raise a mound of stone 2 ft.  
base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 56.88 Descend 401 ft., over steep W. slope.  
Wash, 15 lks. wide, in gulch, course N.  
Ascend 600 ft., over steep E. slope.
- 76.20 Spur, slopes N.  
Descend 168 ft., over steep W. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
the ground for cor. of secs. 4, 5, 32 and 33, marked on  
brass cap,
- T19S R14E  
S32 S33  
S 5 S 4  
T20S  
1923
- from which,
- An oak, 10 ins. in diam., brs. N.  $89^{\circ}$  E., 8 lks.  
dist., marked T19S R14E S33 BT.
- An oak, 10 ins. in diam., brs. S.  $61^{\circ}$  E., 9 lks.  
dist., marked T20S R14E S4 BT.
- An oak, 14 ins. in diam., brs. S.  $62\frac{1}{2}^{\circ}$  W., 108 lks.  
dist., marked T20S R14E S5 BT., and
- An oak, 8 ins. in diam., brs. N.  $22\frac{1}{2}^{\circ}$  W., 138 lks.  
dist., marked T19S R14E S32 BT.
- Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper, pine, and oak.  
Undergrowth, scrub oak.  
Good grass.
-

Cains.

- West, on true line, bet. secs. 5 and 32.
- Over mountainous land, thru. scattering timber and dense undergrowth.
- Descend 70 ft., over steep W. slope.
- 4.65 Head of gulch, course NW.
- Ascend 13 ft., over NE. slope.
- 6.00 Spur, slopes NW.
- Descend 521 ft., over steep SW. slope.
- 25.85 Wash, 20 lks. wide, in bottom of canyon, course N.
- Ascend 300 ft., over E. slope, to
- 40.00 Spur, slopes NE. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 32  
 S 5  
 1923

- No bearing trees available.
- Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.
- Descend 75 ft., over NW. slope.
- 45:32 Wash, 6 lks. wide, in gulch, course NE.
- Ascend 129 ft., over SE. slope.
- 50:25 Spur, slopes NE.
- Descend 295 ft., over steep NW. slope, to
- 67:36 Head of canyon, course N.
- Ascend 40 ft., over NE. slope.
- 75:50 Spur, slopes N.
- Descend 96 ft., over NW. slope, to
- 80:00 Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 5, 6, 31 and 32, marked on brass cap,

T19S | R14E  
 S31 | S32  
 S 6 | S 5  
 T20S  
 1923

No bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, mountain mahogany and scrub oak.  
 Fair grass.

- 
- West, on true line, bet. secs. 6 and 31.
  - Over mountainous land, thru. dense undergrowth.
  - Descend 640 ft., over steep NW. slope, to
  - 24.00 Foot of steep descent, brs. NW. and SE. Enter rolling land in bottom of canyon.
  - Descend 39 ft. to wash.
  - 29.10 Road, brs. NW. and SE.
  - 32.97 Wash, 30 lks. wide, in bottom of canyon, course N. 10° E.
  - Ascend 184 ft., over steep E. slope, to
  - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., over a cross (x) marked on surface rock at exact cor. point, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 31  
 S 6  
 1923

- No bearing trees available.
- Ascend 102 ft., over steep E. slope.
- 46.35 Spur, slopes N. 40° E.
- Descend 426 ft., over steep NW. slope.

# BOOK 3657

32 Survey of North bdy. of Township 20 South, Range 14 East.

Chains.

84.95 Wash, 40 lks. wide, course N. 30°W. Enter rolling land. Ascend 25 ft., over E. slope, to  
 88.50 Intersect the cor. of Ts. 19 and 20. S., Rs. 13 and 14 E., hereinbefore described.  
 Land, mountainous and rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, greasewood, scrub oak and ocotillo.  
 Fair grass.

Boundaries of Township 20 South, Range 14 East.

Latitudes, departures, and closing errors.

Line designated,	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary, (4th. Std. Par. S.)	West	80.00				80.00
	S. 89° 55' W.	40.47		.06		40.47
	S. 86° 01' W.	39.31		2.72		39.21
	S. 86° 41' W.	86.19		4.99		86.05
	N. 89° 13' W.	40.95	.56			40.95
	S. 89° 27' W.	40.42		.39		40.42
	S. 89° 05' W.	40.62		.65		40.62
	S. 86° 26' W.	39.17		2.43		39.10
	S. 88° 06' W.	41.23		1.37		41.21
	S. 88° 21' W.	40.67		1.17		40.65
West Boundary,	N. 0° 01' W.	40.18	40.18			.01
	N. 0° 03' W.	42.19	42.19			.04
	N. 0° 9' W.	40.30	40.30			.10
	N. 0° 23' W.	39.81	39.81			.27
	N. 0° 6' W.	40.50	40.50			.07
	N. 0° 18' W.	40.16	40.16			.21
	N. 0° 37' W.	39.91	39.91			.43
	N. 0° 36' E.	40.05	40.05		.42	
	N. 0° 26' W.	40.42	40.42			.30
	N. 0° 36' W.	41.60	41.60			.43
	N. 0° 59' E.	40.85	40.84		0.70	
	N. 0° 39' W.	38.78	38.78		.44	
North boundary,	East,	488.50			488.50	
East boundary,	South,	471.64		471.64		
Convergency,					.45	
	Totals,		485.30	485.42	490.07	490.98
				485.30		490.07
	Error in latitude,			0.12		
	Error in departure,					0.91

BOOK 3657

Survey of Subdivision lines of Township 20 South, Range 14 East. 33

Chains.

- From the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp., (4th. Std. Par. S.) hereinbefore described, N. 0° 1' W., bet. secs. 35 and 36.
- Over mountainous land, thru. scattering timber and dense undergrowth.
- 14.83 Descend 342 ft., over steep W. and NW. slopes, to Wash, 10 lks. wide, in gulch, course NW.
- Ascend 65 ft., over SW. slope.
- 17.20 Spur, slopes NW..
- Descend 80 ft., over N. slope.
- 21.17 Wash, 20 lks. wide, in bottom of canyon, course NW.
- Ascend 250 ft., over SW. slope.
- 30.72 Point of spur, slopes SW.
- Descend 68 ft., over NW. slope.
- 38,58 Head of gulch, course SW.
- Ascend 18 ft., over S. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S35 | S36  
 1923

from which,  
 An oak, 12 ins. in diam., brs. S. 19 $\frac{1}{2}$ ° E., 78 lks. dist., marked  $\frac{1}{4}$  S 36 BT.  
 An oak, 8 ins. in diam., brs. S. 87° W., 38 lks. dist., marked  $\frac{1}{4}$  S 35 BT.

- Ascend 17 ft., over S. slope.
- 41.07 Spur, slopes SW.
- Descend 85 ft., over NW. slope.
- 48.35 Wash, 10 lks. wide, in gulch, course SW.
- Ascend 197 ft., over SE. slope.
- 59.54 Spur, slopes SW.
- Descend 270 ft., over steep NW. slope, to
- 74.75 Left edge of bottom of Josephine Canyon, brs. NE. and SW. Thence over nearly level land in bottom of canyon, thru. scattering sycamore and cottonwood timber.
- 77.05 Josephine Creek, 25 lks. wide, containing a stream of water, 5 lks. wide, 3 ins. deep, course S. 30° W.; leave bottom of canyon and cottonwood and sycamore timber.
- Ascend 80 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

T20S | R14E  
 S26 | S25  
 S35 | S36  
 1923

from which,  
 An oak, 8 ins. in diam., brs. N. 65° E., 66 lks. dist., marked T20S R14E S25 BT.  
 An oak, 8 ins. in diam., brs. S. 2° E., 83 lks. dist., marked T20S R14E S36 BT.  
 A juniper, 30 ins. in diam., brs. S. 61 $\frac{1}{4}$ ° W., 97 lks. dist., marked T20S R14E S35 BT., and  
 An oak, 10 ins. in diam., brs. N. 55 $\frac{1}{2}$ ° W., 64 lks. dist., marked T20S R14E S26 BT.

Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, pine, juniper, sycamore, cottonwood and oak.  
 Undergrowth, scrub oak.  
 Good grass.

- 40.00 East, on random line, bet. secs. 25 and 36.
- 79.90 Set temp.  $\frac{1}{4}$  sec. cor.
- Fall 5 lks. S. of the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., hereinbefore described.

## BOOK 3657

34 Survey of Subdivision lines of Township 20 South Range 14 East.

Chains.

- Thence  
S.89° 58' W., on true line, bet. secs. 25 and 36.  
Over mountainous land, thru. dense timber and undergrowth.  
Descend 71 ft., over SW. slope.
- 2.63 Wash, 10 lks. wide, in gulch, course NW.  
Ascend 114 ft., over NE. slope.
- 7.05 Point of spur, slopes NW.  
Descend 160 ft., over NW. slope.
- 10.88 Wash, 10 lks. wide, in gulch, course NW.  
Ascend 231 ft., over steep E. slope.
- 18.51 Spur, slopes NE.  
Descend 92 ft., over NW. slope.
- 23.21 Head of gulch, course NW. Enter scattering timber.  
Ascend 66 ft., over NE. slope.
- 29.60 Spur, slopes NW.  
Descend 186 ft., over W. slope.
- 36.67 Head of gulch, course NW.  
Ascend 21 ft., over NE. slope, to
- 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 25  
4  
S 36  
1923

- No bearing trees available.  
Ascend 51 ft., over NE. slope.
- 51.20 Spur, slopes NW.  
Descend 370 ft., over steep W. slope.
- 71.10 Josephine Creek, 25 lks. wide, containing a stream of water  
4 lks. wide, 2 ins. deep, course SW., in bottom of Josephine Canyon.  
Ascend 36 ft., over SE. slope, to
- 79.90 Intersect the cor. of secs. 25, 26, 35 and 36.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd rate.  
Timber, pine, juniper and oak.  
Undergrowth, manzanita, mountain mahogany and scrub oak.  
Fair grass.

- N.0°1' W., bet. secs. 25 and 26.  
Over mountainous land, thru. scattering timber and dense undergrowth.
- 18.05 Ascend 436 ft., over steep SE. slope.  
Point of spur, slopes E.  
Descend 120 ft., over steep N. slope.
- 21.85 Wash, 20 lks. wide, in gulch, course NE.  
Ascend 380 ft., over steep SE. slope.
- 35.20 Point of spur, slopes E.  
Descend 109 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 26 | S 25  
1923

from which,

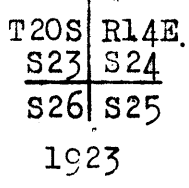
- A cedar, 12 ins. in diam., brs. S. 22 $\frac{3}{4}$ ° E., 57 lks.  
dist., marked  $\frac{1}{4}$  S 25 BT.
- A black oak, 8 ins. in diam., brs. S. 86 $\frac{1}{4}$ ° W., 37 lks.  
dist., marked  $\frac{1}{4}$  S 26 BT.
- 46.61 Descend 60 ft., over NE. slope.  
Wash, 15 lks. wide, course E.
- 50.00 Ascend 24 ft., over SE. slope.  
Spur, slopes E.



Survey of Subdivision lines of Township 20 South, Range 14 East. 35

chains.

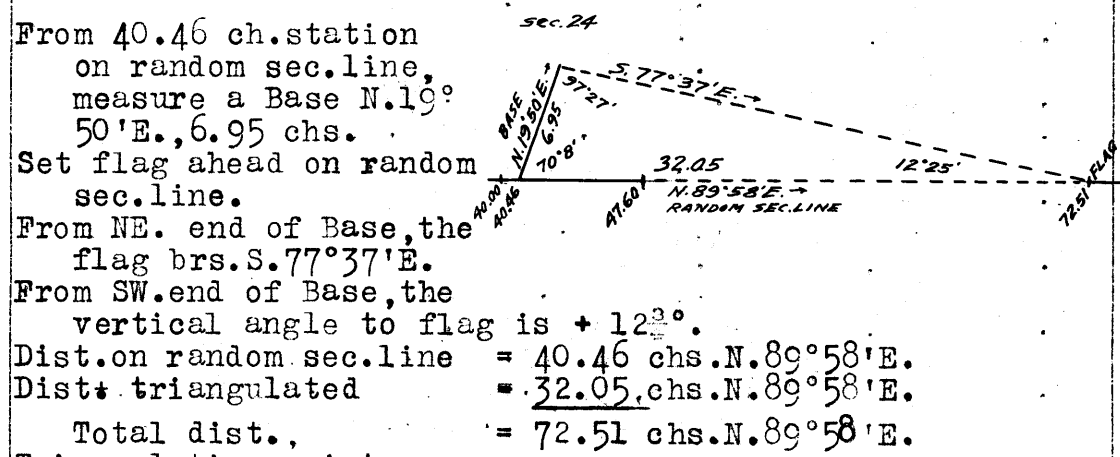
- 56.98 Descend 63 ft., over N. slope. Wash, 15 lks. wide, course E.
- 64.90 Ascend 187 ft., over S. slope. Spur, slopes E.
- 69.63 Descend 145 ft., over N. slope. Wash, 10 lks. wide, course E.
- 72.15 Ascend 65 ft., over S. slope. Point of spur, slopes SE.
- 74.59 Descend 35 ft., over NE slope. Wash, 10 lks. wide, course SE.
- 80.00 Ascend 80 ft., over SW. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap.



- from which,
- An oak, 8 ins. in diam., brs. N. 61½° E., 55 lks. dist., marked T20S R14E S24 BT.
  - An oak, 6 ins. in diam., brs. S. 31½° E., 33 lks. dist., marked T20S R14E S25 BT.
  - A cedar, 36 ins. in diam., brs. S. 21½° W., 127 lks. dist., marked T20S R14E S26 BT.
  - An oak, 24 ins. in diam., brs. N. 45° W., 27 lks. dist., marked T20S R14E S23 BT.

Land, mountainous.  
 Soil, gravelly, 3rd rate.  
 Timber, juniper, cedar and oak.  
 Undergrowth, scrub oak.  
 Good grass.

- 40.00 N. 89° 58' E., on random line, bet. secs. 24 and 25. Set temp. ¼ sec. cor.
- 40.46 Triangulation point. Continue chaining.
- 47.60 Beyond this point, the random line crosses precipitous broken slopes, which prevent chaining. Therefore, triangulate as described as follows:



- 72.51 From 40.46 ch. station on random sec. line, measure a Base N. 19° 50' E., 6.95 chs. Set flag ahead on random sec. line. From NE. end of Base, the flag brs. S. 77° 37' E. From SW. end of Base, the vertical angle to flag is + 12°. Dist. on random sec. line = 40.46 chs. N. 89° 58' E. Dist. triangulated = 32.05 chs. N. 89° 58' E. Total dist. = 72.51 chs. N. 89° 58' E.
- 79.92 Triangulation point. Continue line and measurement by chaining. Intersect the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp., hereinbefore described on ridge, bearing NE. and SW. Thence, S. 89° 58' W., on true line, bet. secs. 24 and 25. Over mountainous land, thru. scattering timber and dense undergrowth.
- 7.41 Descend 100 ft., over NW. slope, to Triangulation point. Discontinue chaining. Measurement to bottom of gulch by triangulation, as hereinbefore described. Descend 563 ft., over precipitous broken NW. slope.

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36 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

- 32.32 Bottom of gulch, 20 lks.wide, course SW. Continue line and measurement by chaining.  
Ascend 85 ft., over SE. slope, to
- 39.46 Triangulation point. Continue chaining.  
Ascend slightly over SE.slope, to
- 39.96 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,
- $\frac{1}{4}$  S 24  
S 25  
1923
- from which,  
A cedar, 12 ins.in diam., brs.N.80 $\frac{3}{4}$ °W+, 110 lks.dist., marked  $\frac{1}{4}$  S 24 BT.  
A cedar, 12 ins. in diam., brs.S.76 $\frac{1}{2}$ °E., 56 lks.dist., marked  $\frac{1}{4}$ S 25 BT.
- Ascend slightly over SE.slope.
- 40.70 Spur, slopes SW.  
Descend 128ft., over W.slope.
- 47.49 Bottom of Josephine Canyon, 100 lks.wide, containing a stream of water 5.lks.wide, 4 ins.deep, course S.20°W.  
Ascend 61 ft., over SE.slope, to
- 50.95 Wash, 10 lks.wide, course SE..  
Ascend 129 ft., over E.slope.
- 57.46 Spur, slopes SE..  
Descend 80 ft., over SW.slope.
- 68.56 Wash, 10 lks.wide, in gulch, course S.  
Ascend 163 ft., over E.slope.
- 74.16 Spur, slopes S.10°E.  
Descend 34 ft., over SW.slope, to
- 79.92 The cor.of secs. 23, 24, 25 and 26.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper, cedar and oak.  
Undergrowth, mountain mahogany and scrub oak.  
Fair grass.

N.0°1'W., bet. secs.23 and 24.

Over mountainous land, thru. scattering timber and dense undergrowth.

- 9.15 Ascend 275 ft., over SW.slope, to  
Spur, slopes SE.  
Descend 15 ft., over NE. slope.
- 11.35 Ascend 84 ft. over SE.slope.
- 17.93 Point of short spur, slopes E.  
Descend 16 ft., over NE. slope.
- 21.63 Head of gulch, course E.  
Ascend 88 ft., over S.slope.
- 24.28 Spur, slopes E.  
Descend 18 ft., over N.slope.
- 26.93 Wash, 8 lks.wide, course E.  
Ascend 373.ft., over steep S.slope, to
- 40.00 Set an iron post, 3.ft.long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
S23 | S24

1923

No bearing trees available.. Raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$  ft.high, W.of cor.

- 41.52 Ascend 14 ft., over S.slope.  
Spur, slopes E.  
Descend 212 ft., over steep N.slope.
- 46.58 Wash, 5 lks.wide, in gulch, course E. .
- 53.20 Ascend 225 ft., over steep S.slope.  
Spur, slopes E.

Survey of Subdivision lines of Township 20 South, Range 14 East. 37

Chains.

- 59.88 Descend 130 ft., over steep N. slope.
- Wash, 8 lks. wide, in gulch, course E.
- 64.79 Ascend 160 ft., over S. slope, to Point of spur, slopes SE.
- 71.00 Ascend 104 ft., over E. slope, to Point of spur, slopes E.
- 75.88 Descend 69 ft., over NE. slope. Head of gulch, course E.
- 79.20 Ascend 87 ft., over SE. slope. Spur, slopes E.
- 80.00 Descend 59 ft., over N. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap,

T20S	R14E
S14	S13
S23	S24
1923	

No bearing trees available. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, pine, juniper, cedar and oak.  
 Undergrowth, mountain mahogany, manzanita and scrub oak.  
 Good grass.

- 40.00 N. 89° 58' E., on a random line, bet. secs. 13 and 24. Set temp. 1/4 sec. cor.
- 79.92 Intersect the cor., of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., hereinbefore described, Thence, S. 89° 58' W., on true line, bet. secs. 13 and 24. Over mountainous land, thru. scattering timber and dense undergrowth.
- 0.95 Descend 27 ft., over W. slope. Wash, 5 lks. wide, course NW.
- 2.45 Descend 87 ft., over NW. slope. Wash, 6 lks. wide, course SW.
- 3.13 Ascend 10 ft., over SE. slope. Point of spur, slopes SW.
- 3.66 Descend 27 ft., over W. slope. Wash, 8 lks. wide, course SW.
- 5.45 Ascend 78 ft., over SE. slope. Point of spur, slopes SW.
- 10.69 Descend 139 ft., over SW. slope. Wash, 10 lks. wide, in gulch, course S.
- 16.12 Ascend 116 ft., over SE. slope. Spur, slopes SW.
- 20.75 Descend 169 ft., over W. slope, to Wash, 5 lks. wide, course SW.
- 29.04 Descend 52 ft., over S. slope. Point of spur, slopes SW.
- 39.96 Descend 227 ft., over W. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 13
S 24
1923

from which,  
 A juniper, 16 ins. in diam., brs. N. 48° W., 60 lks. dist., marked 1/4 S 13 BT.  
 A pine, 30 ins. in diam., brs. S. 30° W., 112 lks. dist., marked 1/4 S 24 BT.

- 40.36 Descend 11 ft., over W. slope. Bottom of Josephine Canyon, 50 lks. wide, containing a stream of water, 8 lks. wide, 2 ins. deep, course S. 30°

## BOOK 3657

8 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.  
 43.64 W. Asc. 96 ft., over SE.slope.  
 Point of spur, slopes SE.  
 Descend 13 ft., over SW.slope.  
 44.93 Wash, 5 lks.wide, course SE.  
 Ascend 95 ft., over E.slope.  
 48.64 Spur, slopes SE.  
 Descend 68 ft., over SW.slope.  
 56.35 Wash, 15 lks.wide, course S.20°E.  
 Ascend 52 ft., over E.slope.  
 58.17 Spur, slopes SE.  
 Descend 12 ft., over SW.slope.  
 59.55 Wash, 25 lks.wide, containing a stream of water 2 lks.  
 wide, 3 ins. deep, course SE.  
 Ascend 316 ft., over E.slope, to  
 69.38 Point of spur, slopes S.80°E. Thence along S. slope, near  
 top of spur.  
 Ascend 155 ft. to  
 77.00 Top of same spur, slopes N.85°E.  
 Ascend gradually over N.slope, to  
 79.92 The cor. of secs.13,14,23 and 24.  
 Land, mountainous.  
 Soil, rocky, 3rd and 4th rate.  
 Timber, juniper, cedar, pine and oak.  
 Undergrowth, mountain mahogany, manzanita and scrub oak.  
 Fair grass.

N.0°1'W., bet. secs.13 and 14.

Over mountainous land, thru. scattering timber and dense  
 undergrowth.

4.25 Descend 144 ft., over steep N.slope+  
 Wash, 8 lks.wide, in gulch, course E.  
 Ascend 86 ft., over SE.slope.  
 9.27 Point of spur, slopes E.  
 Descend 68 ft., over NE.slope.  
 13.59 Wash, 5 lks.wide, course SE.  
 Ascend 43 ft., over SW.slope.  
 14.67 Spur, slopes SE.  
 Descend 33 ft., over NE.slope.  
 16.19 Wash, 6 lks.wide, course SE.  
 Ascend 72 ft., over S.slope.  
 19.95 Point of spur, slopes E.  
 Descend 15 ft., over NE.slope.  
 22.95 Wash, 10 lks.wide, course SE.  
 Ascend 350 ft., over steep S.slope.  
 34.85 Ridge, brs. E. and W., forming main divide of the Santa  
 Rita Mountains.  
 Descend 194 ft., over steep N.slope, to  
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in  
 the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

S14 | S13

1923

from which,

A pine, 24 ins. in diam., brs.N.45°E., 60 lks.  
 dist., marked  $\frac{1}{4}$  S 13 BT.

An oak, 14 ins. in diam., brs.N.57°30'W., 111 lks.  
 dist., marked  $\frac{1}{4}$  S 14 BT.

51.83 Descend 282 ft., over NE.slope.  
 Wash, 15 lks.wide, in gulch, course N. 30°W.  
 Ascend 47 feet. over SW. slope.  
 57.09 Point of spur, slopes NW.  
 Descend 227 ft., over NW.slope.  
 63.41 Wash, 10 lks.wide, in gulch, course N.50°W.  
 Ascend 49 ft., over SW.slope.  
 70.01 Point of spur, slopes W.  
 Descend 38 ft., over NW.slope.  
 78.58 Wash, 10 lks.wide in gulch, course N.85°W.  
 Ascend 126 ft., over steep SW.slope, to

## BOOK 3657

40 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

Timber, pine, juniper, madrone and oak.  
Undergrowth, scrub oak and mountain mahogany.  
Fair grass.

- 
- N.0° 1'W., bet. secs.11 and 12.  
Over mountainous land, thru. scattering timber and dense undergrowth.  
Ascend 39 ft., over SW.slope.
- 1.50 Spur, slopes W.  
Descend 180 ft., over steep N.slope.
- 8.77 Wash, 6 lks.wide, in gulch, course W.  
Ascend 97 ft., over S.slope.
- 14.75 Spur, slopes W.  
Descend 50 ft., over N. slope.
- 15.16 Wash, 5 lks.wide, course W.  
Ascend 46 ft., over SW. slope, to
- 18.57 Descend 512 ft., over steep W. and NW. slopes, to
- 34.18 Wash, 8 lks.wide, course NW.  
Descend 62 ft., over NW. slope, to
- 38.50 Wash, 6 lks.wide, course NW.  
Ascend 20 ft., over SW.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in the ground, for sec.cor., marked on brass cap,

S11	S12
-----	-----

1923

from which,

An oak, 8 ins. in diam., brs.N.53 $\frac{1}{4}$ °E., 36 lks.  
dist., marked  $\frac{1}{4}$  S 12 BT.

An oak, 8 ins. in diam., brs.N.77 $\frac{1}{2}$ °W., 42 lks.  
dist., marked  $\frac{1}{4}$  S 11 BT.

- Ascend 30 ft., over SW.slope.
- 41.25 Spur, slopes NW.  
Descend 797 ft., over NE. and N.slopes.
- 70.26 Telephone line from Tucson, Arizona, to Forest Service look-out station on the summit of Mt. Baldy, brs.N.60°W.&S.60°E.
- 71.33 Pack trail, brs.N.50°W. and S.50°E.
- 79.80 Bottom of canyon, 20 lks.wide, containing a stream of water, 6 lks.wide, 4 ins.deep, course N 60°W.  
Ascend 15 ft., over SW.slope, to
- 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 27 ins. in the ground for cor.of secs.1,2,11 and 12, marked on brass cap,

T20S	R14E
------	------

S 2	S 1
-----	-----

S11	S12
-----	-----

1923

from which,

An oak, 10 ins. in diam., brs.S.4°E., 122 lks.  
dist., marked T20S R14E S12 BT.

A sycamore, 16 ins. in diam., brs.S.8 $\frac{1}{2}$ °W., 78 lks.  
dist., marked T20S R14E S11 BT.

No other bearing trees available.

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

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

Timber, oak, juniper, pine, madrone and sycamore.

Undergrowth, scrub oak, manzanita and mountain mahogany.

Fair grass.

- 
- N.89°57'E., on a random line, bet. secs.1 and 12.
- 40.00 set temp.  $\frac{1}{4}$  sec.cor.
- 80.12 Fall 16 lks.S. of the cor.of secs. 1,6,7 and 12, on the

Survey of Subdivision lines of Township 20 South, Range k4 East. 39

Chains.

80.00 Set an iron post, 3 ft. long; 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,

T20S	R14E
S11	S12
S14	S13

1923

from which,  
 A pine, 8 ins. in diam., brs. S. 48 $\frac{1}{2}$ ° E., 95 lks. dist., marked T20S R14E S13 BT.  
 An oak, 8 ins. in diam., brs. N. 22 $\frac{1}{2}$ ° W., 5 lks. dist., marked T20S R14E S11 BT.  
 No other bearing trees available.  
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Old concentrator mill at the Daley mine, brs. S. 35° W., 9.00 chs. dist.  
 Land, mountainous.  
 Soil, rocky, 3rd and 4th rate.  
 Timber, juniper, pine, cedar and oak.  
 Undergrowth, mountain mahogany and scrub oak.  
 Good grass.

40.00 N. 89° 58' E., on a random line, bet. secs. 12 and 13. Set temp.  $\frac{1}{4}$  sec. cor.  
 79.74 Fall 3 lks. S. of the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., hereinbefore described.  
 Thence,  
 S. 89° 57' W., on true line, bet. secs. 12 and 13.  
 Over mountainous land, thru. dense timber and undergrowth.  
 Descend 300 ft., over NW. slope, to  
 10.50 Wash, 5 lks. wide, course NW. near head.  
 Descend 150 ft., over N. slope, to  
 21.50 Point of spur, slopes NW.  
 Descend 306 ft., over W. slope.  
 28.96 Wash, 5 lks. wide in gulch, course NW, near head.  
 Descend 215 ft., over steep N. slope, to  
 39.87 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$ S 12
S 13

1923

from which,  
 A pine, 16 ins. in diam., brs. N. 13 lks. dist., marked  $\frac{1}{4}$  S 12 BT.  
 A madrone, 14 ins. in diam., brs. S. 28° W., 89 lks. dist., marked  $\frac{1}{4}$  S 13 BT.  
 Descend 114 ft., over steep NW. slope.  
 42.81 Wash, 30 lks. wide, containing stream of water 4 lks. wide, 2 ins. deep in bottom of canyon, course N.  
 Ascend 67 ft., over steep E. slope.  
 44.98 Point of spur, slopes NE.  
 Descend 40 ft., over NW. slope.  
 46.68 Draw, course NE.  
 Ascend 119 ft., over E. slope.  
 48.89 Pack trail, brs. NW. and SE.  
 49.00 Telephone line from Tucson, Arizona to Forest Service Lookout station on summit of Mt. Baldy, brs. NW. and SE.  
 52.75 Spur, slopes NE.  
 Descend 32 ft., over NW. slope.  
 54.07 Wash, 10 lks. wide, in gulch, course NE.  
 Ascend 504 ft., over NE. slope.  
 66.63 Ridge, brs. N. 40° W. and S. 40° E.  
 Descend 301 ft., over SW. slope, to  
 79.74 The cor. of secs. 11, 12, 13 and 14.  
 Land, mountainous.  
 Soil, rocky, 3rd and 4th rate.

Survey of Subdivision lines of Township 20 South, Range 14 East, 41

Chains.

East bdy. of the Tp., hereinbefore described.  
 Thence,  
 S.89°50'W., on true line, bet. secs.1 and 12.  
 Over mountainous land, thru.dense timber and undergrowth.  
 Descend 421 ft., over steep SW.slope.  
 10.79 Wash, 20 lks.wide, in bottom of canyon, containing a stream  
 of water 3 lks.wide, 2 ins.deep, course N.60°W.  
 Ascend 42 ft., over NE.slope.  
 22.13 Spur, slopes NW. Desc.456 ft., over SW.slope, to  
 40.06 Set an iron post, 3 ft.long, 1 in. in diam., 6 ins. in the  
 ground to bed rock, supported in a mound of stone, for  
 1/4 sec.cor., marked on brass cap,  
 S 1  
 S 12  
 1923  
 from which,  
 A white oak, 20 ins. in diam., brs.N.62°E., 46  
 lks.dist., marked 1/4 S 1 BT.  
 A white oak, 8 ins.in diam., brs.S.24 1/2°W., 21  
 lks.dist., marked 1/4 S 12 BT.  
 Descend 50 ft., over SW.slope.  
 43.12 Wash, 5 lks.wide, course S.40°W.  
 Descend 21 ft. over S.slope, to  
 44.25 Point of short spur, slopes SW.Desc.27 ft. over SW.slope.  
 45.42 Bottom of gulch, containing a stream of clear water, 8 lks.  
 wide, 6 ins.deep, course N.50°W.  
 Asc. 187 ft., over NE. slope.  
 45.62 Old road, brs.NW. and SE.  
 51.94 Spur, slopes NW. Desc.252 ft., over NW.slope, to  
 64.12 Head of gulch, course NW. Asc.14 ft., over NE.slope.  
 66.52 Spur, slopes NW. Desc.442 ft., over steep SW.slope, to  
 80.12 The cor.of secs. 1, 2, 11 and 12.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber. cedar, juniper and oak.  
 Undergrowth, mountain mahogany and scrub oak.  
 Poor grass.

-----  
 N.0°1'W., on a random line, bet.secs. 1 and 2.  
 40.00 Set temp. 1/4 sec.cor.  
 71.74 Fall 19 lks.W.of the cor.of secs.1, 2, 35 and 36, on the  
 N. bdy.of the Tp., hereinbefore described.  
 Thence,  
 S.0°7'W., on a true line, bet. secs.1 and 2.  
 Over mountainous land, thru.dense timber and undergrowth.  
 Descend 97 ft., over SW.slope.  
 4.80 Wash, 15 lks.wide, course N.50°W.Ascend 46 ft. over N.slope.  
 10.65 Spur, slopes W.  
 Descend 18 ft., over SW.slope.  
 11.80 Intersect W.side line (1-4) of the Daniels No.10 unpat-  
 ented lode mining claim, Mineral Survey No.3747, at  
 a point, 13.94 chs. S.13°39'W., from cor. No.4 (NW.  
 cor.) thereof. Thence across said Mineral Survey No.  
 3747, consisting of a group of unpatented claims.  
 14.28 Draw, course SW.  
 Ascend 40 ft., over NW. slope.  
 21.60 Old road brs.NW. and SE.  
 24.74 Draw, course NW.  
 Ascend 10 ft., over NW.slope.  
 26.88 Same road, brs.NE. and SW.on spur, sloping SW.  
 Descend 16 ft. over SE.slope..  
 27.68 Wash, 5 lks.wide, course SW.  
 Ascend gradually over NW.slope, to.  
 29.52 Wash, 6 lks.wide, course NW.  
 Ascend 20 ft., over NE.slope to 1/4 sec.cor.  
 29.68 Same road brs.NW. and SE.  
 31.74 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in  
 the ground, for 1/4 sec.cor., marked on brass cap,

## BOOK 3657

42 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

 $\frac{1}{4}$   
 S 2 S 1  
 1923

- from which,  
 A juniper, 18 ins. in diam., brs. N.  $51\frac{1}{2}^{\circ}$  W., 64  
 lks. dist., marked  $\frac{1}{4}$  S 2 BT.  
 A black oak, 14 ins. in diam., brs. S.  $74^{\circ}$  E., 46  
 lks. dist., marked  $\frac{1}{4}$  S 1 BT.  
 Ascend 75 ft., over NE. slope.  
 38.00 Spur, slopes NW.  
 Descend 19 ft., over SW. slope.  
 44.98 A cabin, brs. E. 2 chs. dist.  
 45.74 Wash, 8 lks. wide in gulch, course N.  $70^{\circ}$  W.  
 Ascend 311 ft., over N. slope.  
 45.94 Road brs. S.  $80^{\circ}$  E. and N.  $80^{\circ}$  W.  
 47.70 A cabin brs. W. 20 lks. dist.  
 49.75 Annie E. Daniels' house on line.  
 55.60 Intersect S. side line (2-3) of the "Daniels'" unpatented  
 lode mining claim, Mineral Survey No. 3747 at a point,  
 10.49 chs. N.  $70^{\circ}37'$  E. from cor. No. 2 (SW. cor.) thereof.  
 From 55.60 ch. station on sec. line, U.S.L.M. No. 3747 brs.  
 N.  $20^{\circ}59'$  W. Leave Mineral Survey No. 3747.  
 Ascend 178 ft., over NE. slope.  
 63.62 Spur, slopes NW.  
 Descend 239 ft., over SW. slope, to  
 71.74 The cor. of secs. 1, 2, 11 and 12.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub oak.  
 Fair grass.

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Preliminary to the survey of the Subdivision lines of  
 the west five ranges of secs. in this township, begin  
 at the cor. of secs. 25, 26, 35 and 36, and survey a  
 sectional correction line due west; setting temp.  $\frac{1}{4}$   
 sec. and sec. cors. alternately at intervals of 40.00  
 chs., and at 408.63 chs., intersect the W. bdy. of the  
 Tp., where closing cor. of secs. 30 and 31 is estab-  
 lished. The permanent sec. cors. on said sectional  
 correction line are then established at the several  
 points of intersection of the meridional sec. lines  
 surveyed in the normal manner from the std. sec. cors. on  
 the S. bdy. of the Tp. (4th. Std. Par. S.):

The permanent  $\frac{1}{4}$  sec. cors. on said sectional correction  
 line are established at midpoints bet. the sec. cors.  
 except the  $\frac{1}{4}$  sec. cor. of secs. 30 and 31, which is  
 established at 40.00 chs. west from the cor. of secs.  
 29, 30, 31 and 32.

All of the  $\frac{1}{4}$  sec. cors. on the meridional sec. lines in  
 the south tier of secs. are established at 40.00  
 chs. from the sectional correction line.

The survey of the subdivision lines of the north five  
 tiers of the west five ranges of secs. in the township  
 is then initiated from the sectional correction line,  
 and executed in the normal manner.

-----

From the reestablished std. cor. of secs. 34 and 35 on  
 S. bdy. of Tp. (4th. Std. Par. S.) hereinbefore described,  
 N.  $0^{\circ}1'$  W., bet. secs. 34 and 35.

Over mountainous land, thru scattering timber and dense  
 undergrowth. Asc. 372 ft., over steep SE. slope.

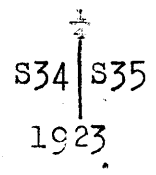
- 15.24 Spur, slopes SW.  
 Descend 180 ft., over NW. slope.  
 39.25 Wash, 15 lks. wide, in gulch, course N.  $70^{\circ}$  W.  
 Ascend 75 ft., over steep S. slope, to



Survey of Subdivision lines of Township 20 South, Range 14 East. 43

Chains.

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



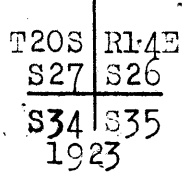
No bearing trees.  
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.  
Ascend 623 ft., over S. slope.

82.43 Spur, slopes S. 70° W.

Descend slightly over NW. slope, to

82.98 Intersect Sectional Correction line at a point 4 lks. W. from the temp. cor. of secs. 26, 27, 34 and 35.

At point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, supported in a mound of stone for cor. of secs. 26, 27, 34 and 35, marked on brass cap,



from which,

- An oak, 10 ins. in diam., brs. N. 23° E., 35 lks. dist., marked T20S R14E S26 BT.
- An oak, 12 ins. in diam., brs. S. 41° E., 75 lks. dist., marked T20S R14E S35 BT.
- An oak, 4 ins. in diam., brs. S. 55° W., 12 lks. dist., marked BT.
- An oak, 4 ins. in diam., brs. N. 31° W., 35 lks. dist., marked BT.

Land, mountainous.  
Soil, rocky, 3rd rate.  
Timber, oak.  
Undergrowth, scrub oak.  
Good grass.

From cor. of secs. 25, 26, 35 and 36,  
West, on Sectional Correction line, bet. secs. 26 and 35.  
Over mountainous land, thru. scattering timber and dense undergrowth.

2.80 Ascend 30 ft., over SE. slope, to Wash, 6 lks. wide, in gulch, course SE.

7.84 Ascend 72 ft., over E. slope.  
Point of spur, slopes SE.

9.75 Descend 20 ft., over SW. slope.  
Wash, 6 lks. wide, in gulch, course SE.

13.96 Ascend 80 ft., over NE. slope.  
Spur, slopes SE.

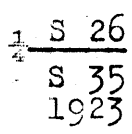
20.30 Descend 41 ft., over SW. slope.  
Wash, 10 lks. wide in gulch, course SE.

27.45 Ascend 136 ft., over NE. slope.  
Spur, slopes SE.

32.24 Descend 46 ft., over SW. slope.  
Wash, 14 lks. wide in gulch, course SE.

37.48 Ascend 69 ft., over NE. slope.  
Spur, slopes SE.

40.02 Descend 29 ft., over SW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 7 ins. in the ground, to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,



No bearing trees available.

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44 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

- 40.07 Descend 4 ft., over SW.slope.  
Wash, 15 lks.wide, in gulch, course SE.  
Ascend 459 ft., over steep NE.slope.
- 57.41 Main ridge, of the Santa Rita Mountains, brs.N.30°W. and  
S.30°E.
- 65.57 Descend 45 ft., over W.slope, to  
Head of gulch, course SW.  
Ascend 69 ft., over SE. slope.
- 72.23 Spur, slopes S.85°W.,
- 80.04 Descend 29 ft., over N. and NW. slopes, to  
The cor. of secs.26, 27, 34 and 35.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd rate.  
Timber, juniper, cedar and oak.  
Undergrowth, scrub oak.  
Good grass.

- N.0°1'W., bet. secs.26 and 27.  
Over mountainous land, thru. dense timber and undergrowth.  
Descend 572 ft., over steep NW.slope.
- 16.58 Wash, 10 lks.wide, in gulch, course NW.  
Ascend 34 ft., over SW.slope.
- 18.02 Point of spur, slopes NW.  
Descend 43 ft., over NW.slope.
- 23.17 Wash, 8 lks.wide, in gulch, course W.  
Ascend 670 ft., over steep S.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., over a cross  
(x) marked on surface rock at exact cor.point, and  
raise a mound of stone around post for  $\frac{1}{4}$  sec.cor.,  
marked on brass cap,

‡  
S27 | S26

1923

from which,

- A juniper, 4 ins.in diam., brs.N.76°E., 22 lks.  
dist., marked BT.
- A madrone, 15 ins.in diam., brs.S.10 $\frac{1}{2}$ °W., 49 lks.  
dist., marked  $\frac{1}{4}$  S 27 BT.
- 45.38 Ascend 95 ft., over S.slope.  
Spur, slopes S.85°W. Beyond this point, the sec. line  
crosses a canyon, in which precipitous slopes prevent  
chaining.

Triangulate as follows:

From 45.38 ch.station on sec.  
line, measure a Base, S.85°  
19'W., 8.33 chs.along top of  
spur.

Set flag ahead on sec.line in  
bottom of canyon.

From W. end of Base, the flag  
brs.N.23°50'E.

From E.end of Base, the vertical  
angle to flag is -21 $\frac{1}{2}$ °.

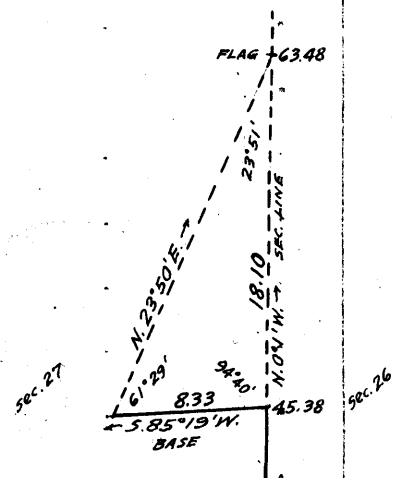
Dist.on sec.line = 45.38 chs.N.0°1'W.

Dist. triangulated = 18.10 chs.N.0°1'W.

Total distance, = 63.48 chs.N.0°1'W.

- 63.48 Triangulation point in wash, 15 lks.wide, course SW.in  
bottom of canyon, 470 ft. below 45.38 ch.station on  
sec.line.

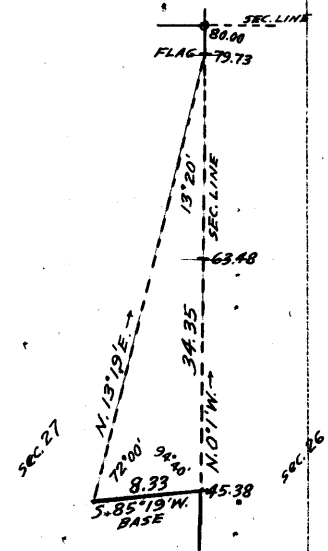
Precipitous ascent beyond this point prevents chaining;  
therefore, triangulate as follows:



Survey of Subdivision lines of Township 20 South, Range 14 East. 45

Chains.

Set flag ahead on sec. line.  
 From W. end of same Base used in the above described triangulation, the flag brs. N.13°19'E.  
 From E. end of Base, the vertical angle to flag is + 3 1/4".  
 Dist. on sec. line = 45.38 chs. N.0°1'W.  
 Dist. triangulated = 34.35 chs. N.0°1'W.  
 Total distance, = 79.73 chs. N.0°1'W.



79.73 Triangulation point, 600 ft. above 63.48 ch. station on sec. line. Continue line and measurement by chaining.

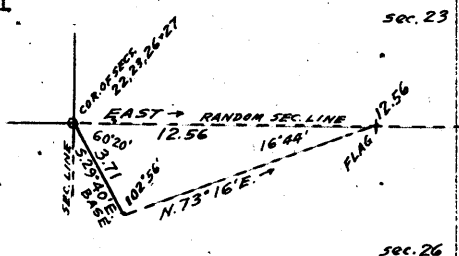
Ascend 60 ft., over SE. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 22, 23, 26 and 27, marked on brass cap,

T20S	R14E
S22	S23
S27	S26
1923	

from which,  
 A cedar, 12 ins. in diam., brs. N.38 1/2°E., 53 lks. dist., marked T20S R14E S23 BT.  
 An oak, 10 ins. in diam., brs. S.20 1/2°W., 91 lks. dist., marked T20S R14E S27 BT.

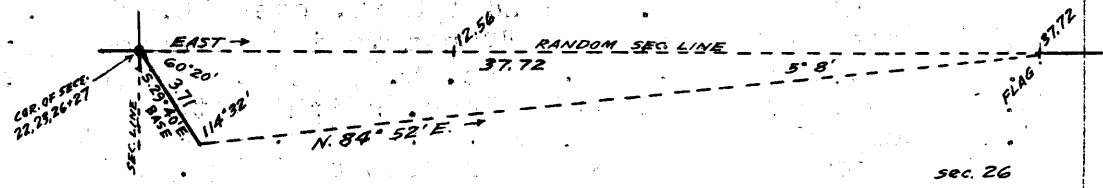
No other bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper, cedar, madrone and oak.  
 Undergrowth, mountain mahogany and scrub oak.  
 Good grass.

East, on random line, bet. secs. 23 and 26.  
 Precipitous slopes in a canyon prevent chaining; therefore, triangulate as follows:  
 From cor. of secs. 22, 23, 26 and 27, measure a Base S.29°40'E., 3.71 chs., which is as long a Base as it is practicable to chain.



Set flag ahead on random sec. line in bottom of canyon.  
 From SE. end of Base, the flag brs. N.73°16'E.  
 From cor. of secs. 22, 23, 26 and 27, the vertical angle to flag is - 20°.

Distance triangulated on random sec. line = 12.56 chs. East.  
 12.56 Triangulation point in bottom of canyon, 300 ft. below sec. cor. It being impracticable to chain East from here owing to precipitous ascent, triangulate again as follows:



Set flag ahead on random sec. line at left rim of canyon.  
 From SE. end of same Base used in the above described

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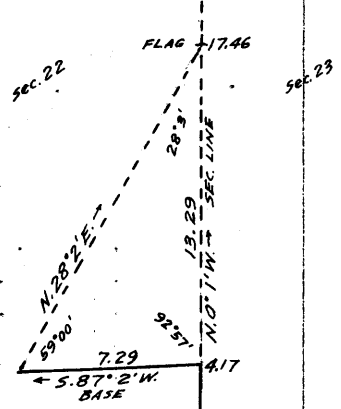
Chains.

- triangulation the flag brs. N.  $84^{\circ}52'E$ .  
 From cor. of secs. 22, 23, 26 and 27, the vertical angle to flag is  $+6\frac{1}{4}^{\circ}$ .  
 Distance triangulated on random sec. line = 37.72 chs. East.
- 37.72 Triangulation point. Continue line and measurement by chaining.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.94 Fall 18 lks. N. of the cor. of secs. 23, 24, 25 and 26. Thence, N.  $89^{\circ}52'W$ ., on true line, bet. secs. 23 and 26. Over mountainous land, thru. scattering timber and dense undergrowth.
- Ascend 25 ft., over SE. slope.
- 3.08 Descend 10 ft., over SW. slope.
- 4.40 Wash, 10 lks. wide, course S.
- Ascend 18 ft., over E. slope.
- 5.76 Spur, slopes S.
- Descend 24 ft., over W. slope.
- 9.56 Wash, 8 lks. wide, course SE.
- Ascend 891 ft., over steep E. slope to  $\frac{1}{4}$  sec. cor.
- 38.87 Intersect N. side line (l=4) of the "Santa Cruz" patented lode mining claim, Mineral Survey No. 2409 at a point 4.65 chs. S.  $73^{\circ}24'E$ . from cor. No. 1 (NW. cor.) thereof, identical with cor. No. 1 (NE. cor.) of the "Tia Juana" patented lode mining claim of same mineral survey. Thence across three patented mining claims of Mineral Survey No. 2409.
- 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,
- $\frac{1}{4}$  S 23  
S 26  
1923
- No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.
- From this  $\frac{1}{4}$  sec. cor., U.S.L.M. No. 2409 brs. N.  $34^{\circ}55'W$ ., 2.42 chs. dist.
- Ascend 42 ft., over steep E. slope.
- 41.80 Main ridge of the Santa Rita mountains, brs. N. and S.
- Descend 12 ft., over NW. slope, to
- 42+22 Triangulation point at left rim of canyon, bearing NE. and SW. Discontinue chaining.
- Measurement to bottom of canyon by triangulation herein before described.
- Descend 570 ft., over precipitous NW. slope, to
- 67.38 Triangulation point in wash 20 lks. wide, course SW. in bottom of canyon. Measurement to sec. cor. by triangulation.
- Ascend 300 ft., over precipitous SE. slope, to
- 79.94 The cor. of secs. 22, 23, 26 and 27.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, madrone, juniper, cedar and oak.  
 Undergrowth, mountain mahogany and scrub oak.  
 Fair grass.
- 
- N.  $0^{\circ}1'W$ ., bet. secs. 22 and 23.  
 Over mountainous land, thru. scattering timber and dense undergrowth. Ascend 130 ft. over SE. slope.
- 2.78 Intersect N. bdy. of "Santa Maria" patented Mining Claim, M.S. No. 2409, 8.78 chs. S.  $87^{\circ}35'E$ . of Cor. No. 2.
- 3.70 Spur, slopes S.  $70^{\circ}W$ . Desc. slightly to
- 4.17 Left rim of canyon, brs. NE. and W. Beyond this point precipitous slopes prevent chaining. Triangulate as follows:

Survey of Subdivision lines of Township 20 South, Range 14 East. 47

chains.

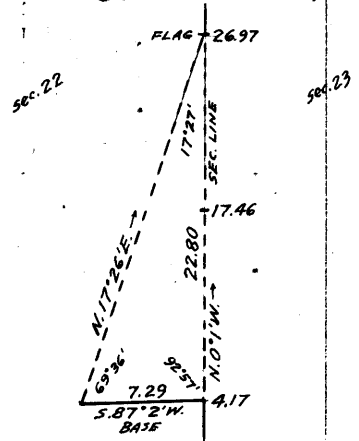
From 4.17 ch. station on sec. line, measure  
 a. Base, S. 87° 2' W., 7.29 chs.  
 Set flag ahead on sec. line in  
 bottom of canyon.  
 From W. end of Base, the flag brs.  
 N. 28° 2' E.  
 From E. end of Base, the vertical  
 angle to flag is - 24°.



Dist. on sec. line = 4.17 chs. N. 0° 1' W.  
 Dist. triangulated = 13.29 chs. N. 0° 1' W.  
 Total distance = 17.46 chs. N. 0° 1' W.

17.46 Triangulation point in wash 15 lks. wide, course SW., in  
 bottom of canyon, 390 ft. below 4.17 ch. station on sec.  
 line. Precipitous ascent prevents chaining; therefore,  
 triangulate again as follows:

Set flag ahead on sec. line.  
 From W. end of same Base  
 used in the above described  
 triangulation, the flag brs.  
 N. 17° 26' E.  
 From 4.17 ch. station on sec.  
 line, the vertical angle to  
 flag is - 6°.



Dist. on sec. line = 4.17 chs. N. 0° 1' W.  
 Dist. triangulated = 22.80 chs. N. 0° 1' W.  
 Total dist. = 26.97 chs. N. 0° 1' W.

26.97 Triangulation point on spur, sloping W. 205 ft. above  
 17.46 ch. station on sec. line. Continue line and  
 measurement by chaining.

34.00 Descend 39 ft., over N. slope, to  
 Wash, 8 lks. wide, course W.  
 35.10 Descend slightly over W. slope, to  
 Wash, 15 lks. wide, course SW.

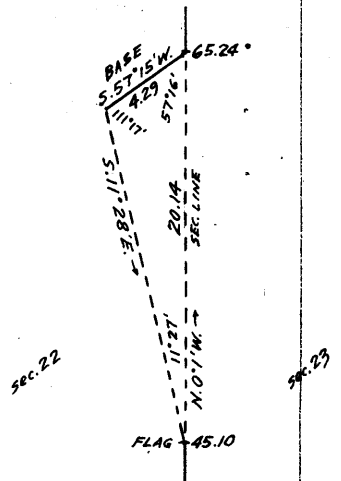
40.00 Ascend 46 ft., over S. slope, to  
 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 the ground for 1/4 sec. cor., marked on brass cap,

1/4  
 S22 | S23  
 1923

from which,  
 An oak, 12 ins. in diam., brs. N. 84° W., 32 lks.  
 dist., marked 1/4 S 22 BT.  
 An oak, 18 ins. in diam., brs. S. 19 1/2° E., 12 lks.  
 dist., marked 1/4 S 23 BT.

45.10 Ascend 130 ft., over SE. slope, to  
 Foot of cliffs, bearing NE and SW., facing SE. Impracti-  
 cable to continue chaining. Triangulate as described  
 as follows:

Set flag on sec. line at this point.  
 From a point ahead on sec. line,  
 measure a Base S. 57° 15' W., 4.29  
 chs.  
 From SW. end of Base, the flag brs.,  
 S. 11° 28' E.  
 From NE. end of Base, the vertical  
 angle to flag is - 23°.



Dist. on sec. line = 45.10 chs. N. 0° 1' W.  
 Dist. triangulated = 20.14 chs. N. 0° 1' W.  
 Total dist. = 65.24 chs. N. 0° 1' W.

65.24 Triangulation point 690 ft. above  
 sec. cor.  
 Continue line and measurement by chaining.

# BOOK 3657

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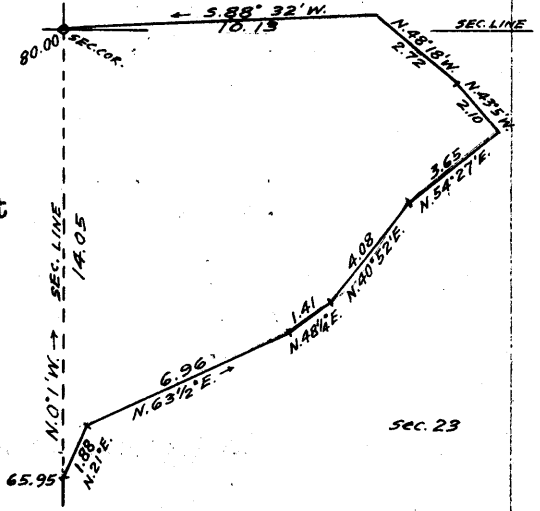
Chains.

65.95 Ascend 29 ft., over steep SE. slope, to Spur, slopes SW. Discontinue chaining on sec. line, owing to precipitous broken descent beyond this point. Obtain measurement to sec. cor. by traverse thru. sec. 23 as follows:

- N. 21° E., 1.88 chs.
- N. 63 1/4° E., 6.96 chs.
- N. 48 1/4° E., 1.41 chs.
- N. 40° 52' E., 4.08 chs.
- N. 54° 27' E., 3.65 chs. to point 380 ft. above 65.95 ch. station on sec. line.

Thence descend 490 ft. to sec. cor. along traverse as follows:

- N. 43° 05' W., 2.10 chs.
- N. 48° 18' W., 2.72 chs.
- S. 88° 32' W., 10.13 chs. to cor. of secs. 14, 15, 22 and 23.



79.00 (Approx.) Wash, 25 lks. wide in bottom of canyon, course SW.

80.00 Ascend about 20 ft., over SE. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 14, 15, 22 and 23, marked on brass cap.

T20S	R14E
S15	S14
S22	S23
1923	

No bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper, cedar and oak.  
 Undergrowth, scrub oak, manzanita and mountain mahogany.  
 Good grass.

40.00 S. 89° 52' E., on a random line, bet. secs. 14 and 23. Set temp. 1/4 sec. cor.

80.10 Fall 10 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence, N. 89° 56' W., on true line, bet. secs. 14 and 23.

Over mountainous land, thru. scattering timber and dense undergrowth, along N and NE. slopes from spur, the top of which slopes E. at about 1.00 ch. S. of line.

Ascend 1040 ft. to

18.50 Main ridge of the Santa Rita mountains brs. NW. and SE. From this point, the top of Mt. Hopkins brs. N. 45° W. about 1/4 mile dist..

33.96 Descend 330 ft., over steep SW. slope, to Bottom of gulch, course SW.

Ascend 110 ft., over SE. slope.

39.00 Point of spur, slopes SW.

Descend 27 ft. over W. slope, to

40.05 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for 1/4 sec. cor., marked on brass cap.

S. 14
S 23
1923

from which,

A mountain mahogany 3 ins. in diam., brs. N. 32° E., 22 lks. dist., marked BT.

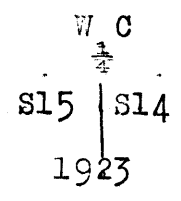
A mountain mahogany 2 ins. in diam., brs. S. 42 1/2°, 199 lks. dist., marked BT.

Survey of Subdivision lines of Township 20 South Range 14 East. 49

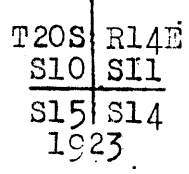
Chains.

No larger trees available.  
 Descend 47 ft., over W. slope.  
 42.15 Wash, 10 lks. wide, in gulch, course SW.  
 Ascend 375 ft., over SE. slope.  
 60.00 Spur, slopes S. 50° W.  
 Descend 350 ft., over NW. slope.  
 78.00 Wash, 25 lks. wide, course SW. in bottom of canyon.  
 Ascend 12 ft., over SE. slope, to  
 80.10 The cor. of secs. 14, 15, 22 and 23.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper, cedar and oak.  
 Undergrowth, mountain mahogany, manzanita and scrub oak.  
 Fair grass.

N. 0° 1' W., bet. secs. 14 and 15.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Ascend 225 ft., over steep SE. slope.  
 10.51 Spur, slopes SW. from E.  
 Descend 250 ft., over steep NW. slope.  
 17.00 Wash, 10 lks. wide, in gulch, course W.  
 Ascend 180 ft., over S. slope.  
 23.50 Spur, slopes W.  
 Descend 283 ft., over steep NW. slope, to  
 30.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground for witness cor. to 1/4 sec. cor., marked on brass cap,



No bearing trees available. Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.  
 From this W.C., the top of Mt. Hopkins hrs. East about 30 chs. dist., and about 400 ft. above this W.C.  
 Descend 600 ft., over precipitous broken W. and NW. slopes to sec. cor.  
 40.00 True point for 1/4 sec. cor. falls in almost inaccessible position on W. face of cliff; therefore, witness cor. is established at 10.00 chs. S. 0° 1' E., as described above.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked on brass cap,



No bearing trees available. Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, juniper, pine and oak.  
 Undergrowth, mountain mahogany, manzanita and scrub oak.

S. 89° 56' E., on a random line, bet. secs. 11 and 14.  
 40.00 Set temp. 1/4 sec. cor.  
 80.00 Intersect N. and S. line, 10 lks. S. of the cor. of secs. 11, 12, 13 and 14.  
 Thence,  
 West, on true line, bet. secs. 11 and 14.  
 Over mountainous land, thru. dense timber and undergrowth.

## BOOK 3657

50 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

- 12.40 Descend 440 ft., over steep SW.slope.  
Wash, 15 lks.wide, containing a stream of water 6 lks.  
wide, 4 ins.deep, course N.30°W. in head of Wadera  
Canyon.
- 12.86 Ascend 63 ft., over NE.slope.  
Pack trail, brs.N.20°W. and S.20°E.
- 18.00 Point of spur, slopes NE.  
Descend 8 ft., over NW.slope.
- 19.12 Wash, 8 lks.wide, course NE.  
Ascend 251 ft., over SE.slope.
- 27.70 Spur, slopes NE.  
Descend 25 ft., over NW.slope.
- 30.58 Pack trail, brs.NE. and SW.
- 31.28 Wash, 6 lks.wide, course NE.  
Ascend 248 ft., over SE.slope to  $\frac{1}{4}$  sec.cor.
- 31.95 Same pack trail, brs.N. and S.
- 35.30 Same pack trail, brs.NE. and SW.
- 39.34 Same pack trail, brs. N. and SE.
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in  
the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$  S 11  
S 14  
1923

from which,

- An oak, 4 ins.in diam., brs.N.5 $\frac{3}{4}$ °E., 6 lks.  
dist., marked BT.
- A pine, 14 ins.in diam., brs.S.70 $\frac{1}{4}$ °E., 38 lks.  
dist., marked  $\frac{1}{4}$ S 14 BT.
- 50.50 Ascend 442 ft., over SE.slope.  
Spur, slopes NE.  
Ascend 54 ft., over N.slope.
- 54.93 Ascend 120 ft., over E.slope.
- 58.38 Main ridge of Santa Rita mountains, brs.N. and S.  
Descend 232 ft., over W.slope, to
- 69.74 Wash, 8 lks.wide, course NW.  
Ascend 40 ft., over NE.slope.
- 74.46 Spur, slopes NW.  
Descend 247 ft., over steep W.slope to sec.cor.
- 78.36 Trail, brs.N and SE.
- 80.00 The cor.of secs.10, 11, 14 and 15.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper, cedar, pine and oak.  
Undergrowth, mountain mahogany and scrub.oak.  
Fair grass.

- N.0°1'W., bet. secs.10 and 11.  
Over mountainous land, thru. dense timber and undergrowth.
- 6.18 Descend 135 ft., over W.slope.  
Pack trail, brs.NW. and SE.
- 8.60 Head of wash, course SW.  
Ascend 80 ft., over SW.slope.
- 10.80 Spur, slopes NW.  
Descend 65 ft., over NE.slope.
- 11.20 Old cabin on line.
- 14.26 Wash, 5 lks.wide, course NW.  
Ascend 370 ft., over SW.slope.
- 32.42 Ridge, brs.NW. and SE.  
Descend 298 ft., over NE.slope, to
- 40.00 Set an iron post, 3 ft.long, 1 in. in diam., -27 ins. in  
the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

S10 | S11

1923

from which,

- An oak, 16 ins.in diam., brs.N.38°W., 50 lks.  
dist., marked  $\frac{1}{4}$  S 10 BT.



## Survey of Subdivision lines of Township 20 South Range 14 East 51

Chains.	<p>An oak, 8 ins. in diam., brs. S. <math>80\frac{3}{4}^{\circ}</math> E., 72 lks. dist., marked <math>\frac{1}{2}</math> S 11 BT.</p> <p>Descend 50 ft., over E. slope, to</p>								
45.00	<p>Spur, slopes NE.</p> <p>Descend 500 ft., over NW. slope.</p>								
56.50	<p>Wash, 15 lks. wide in bottom of canyon, course N. <math>50^{\circ}</math> E.</p> <p>Ascend 300 ft., over SE. slope.</p>								
63.75	<p>Spur, slopes NE.</p> <p>Descend 250 ft., over NW. slope.</p>								
72.40	<p>Wash, 10 lks. wide, in bottom of canyon, course NE.</p> <p>Ascend 150 ft., over SE. slope, to</p>								
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap,</p>								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>T20S</td> <td>R14E</td> </tr> <tr> <td>S 3</td> <td>S 2</td> </tr> <tr> <td>S10</td> <td>S11</td> </tr> <tr> <td colspan="2" style="text-align: center;">1923</td> </tr> </tbody> </table>	T20S	R14E	S 3	S 2	S10	S11	1923	
T20S	R14E								
S 3	S 2								
S10	S11								
1923									
	<p>from which,</p> <p>An oak, 3 ins. in diam., brs. N. <math>51\frac{1}{2}^{\circ}</math> E., 26 lks. dist., marked BT.</p> <p>An oak, 6 ins. in diam., brs. S. <math>38^{\circ}</math> E., 64 lks. dist., marked T20S R14E S11 BT.</p> <p>An oak, 10 ins. in diam., brs. S. <math>40\frac{1}{4}^{\circ}</math> W., 31 lks. dist., marked T20S R14E S10 BT.</p> <p>An oak, 8 ins. in diam., brs. N. <math>46\frac{1}{4}^{\circ}</math> W., 9 lks. dist., marked T20S R14E S3 BT.</p> <p>Land, mountainous.</p> <p>Soil, gravelly and rocky, 3rd and 4th rate.</p> <p>Timber, juniper, cedar, pine and oak.</p> <p>Undergrowth, mountain mahogany and scrub oak.</p> <p>Fair grass.</p>								
	<p>-----</p> <p>East, on a random line, bet. secs. 2 and 11.</p>								
40.00	Set temp, $\frac{1}{2}$ sec. cor.								
80.08	<p>Walk 32 lks. S. of the cor. of secs. 1, 2, 11 and 12.</p> <p>Thence,</p> <p>S. <math>89^{\circ}46'</math> W., on true line, bet. secs. 2 and 11.</p> <p>Over mountainous land, thru. scattering timber and dense undergrowth.</p>								
3.00	<p>Descend 25 ft., over SW. slope.</p> <p>Bottom of canyon, 20 lks. wide, containing a stream of water 6 lks. wide, 6 ins. deep, course N. <math>50^{\circ}</math> W.</p>								
8.30	<p>Ascend 39 ft., over NE. slope.</p> <p>Point of spur, slopes N.</p> <p>Descend 122 ft., over NW. slope.</p>								
11.15	Road, brs. N. $30^{\circ}$ W. and S. $30^{\circ}$ E.								
13.50	<p>Bottom of Madera Canyon, 30 lks. wide, containing a stream of water, 8 lks. wide, 3 ins. deep, course N. <math>30^{\circ}</math> W.</p> <p>Ascend 75 ft., over NE. slope.</p>								
15.70	<p>Point of spur, slopes N.</p> <p>Descend 25 ft., over NW. slope.</p>								
17.20	<p>Wash, 10 lks. wide, course N.</p> <p>Ascend 116 ft., over NE. slope, to</p>								
23.50	<p>Wash, 10 lks. wide, containing a stream of water, 6 lks. wide, 3 ins. deep, flowing over bare rock, course N. <math>60^{\circ}</math> E.</p> <p>Ascend 184 ft., over SE. slope.</p>								
32.86	<p>Spur, slopes NE.</p> <p>Descend 130 ft., over NW. slope, to</p>								
36.76	<p>Head of short wash, course NW.</p> <p>Ascend 42 ft., over NE. slope.</p>								
38.81	<p>Point of spur, slopes N.</p> <p>Descend 27 ft., over NW. slope, to</p>								
40.04	<p>Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, supported in a mound of stone for <math>\frac{1}{4}</math> sec. cor., marked on brass cap,</p>								

## BOOK 3657

52 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

$$\frac{1}{4} \frac{S \ 2}{S \ 11}$$
 1923

from which,

A juniper, 8 ins. in diam., brs. N.  $52\frac{1}{2}^{\circ}$  E., 6 lks. dist., marked  $\frac{1}{4}$  S 2 BT.A juniper, 10 ins. in diam., brs. S.  $23^{\circ}$  E., 11 lks. dist., marked  $\frac{1}{4}$  S 11 BT.

- 40.40 Descend slightly over NW. slope, to Wash, 6 lks. wide, course NE.  
Ascend 221 ft., over SE. slope.
- 44.65 Spur, slopes NE.  
Descend 70 ft., over NW. slope.
- 54.35 Wash, 10 lks. wide, course N.  
Ascend 42 ft., over NE. slope.
- 58.50 Point of spur, slopes N.  
Descend 26 ft., over NW. slope.
- 60.70 Wash, 10 lks. wide, course N. near head.  
Ascend 107 ft., over NE. slope, to
- 67.80 Wash, 10 lks. wide, course N.  $70^{\circ}$  E.  
Ascend 395 ft., over SE. slope, to
- 80.08 The cor. of secs. 2, 3, 10 and 11.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper, sycamore, cedar and oak.  
Undergrowth, scrub oak and manzanita.  
Fair grass.

- 40.00 N.  $0^{\circ}$  1' W., on a random line, bet. secs. 2 and 3.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 72.18 Fall 7 lks. E. of the cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp., hereinbefore described.  
Thence,  
S.  $0^{\circ}$  4' E., on true line, bet. secs. 2 and 3.  
Over mountainous land, thru. scattering timber and dense undergrowth.
- 14.00 Ascend 422 ft., over steep NE. slope, to Wash, 5 lks. wide, course NE.
- 23.80 Ascend 483 ft., over steep NW. slope.  
Point of spur, slopes NW.
- 27.40 Descend 29 ft., over SW. slope.  
Wash, 6 lks. wide, course NW.
- 32.18 Ascend 145 ft., over NW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$$S \ 3 \ | \ S \ 2$$
 1923

- No bearing trees available. Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 50.75 Ascend 258 ft., over steep NW. slope.  
Ridge, brs. N.  $20^{\circ}$  E. and S.  $30^{\circ}$  W.
- 61.00 Ascend 55 ft., over E. slope.  
Ascend 197 ft., over N. slope.
- 65.48 Spur, slopes NE.  
Descend 225 ft., over SE. slope, to
- 72.18 The cor. of secs. 2, 3, 10 and 11.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper, pine, cedar and oak.  
Undergrowth, manzanita, mountain mahogany and scrub oak.  
Fair grass.

Survey of Subdivision lines of Township 20 South, Range 14 East. 53

Chains.

From the reestablished std. cor. of secs. 33 and 34 on S. bdy. of Tp. (4th. Std. Par. S.), hereinbefore described, N. 0° 2' W., bet. secs. 33 and 34.

Over mountainous land, thru. scattering timber and dense undergrowth.

Ascend 574 ft., over SW. slope.

21.59 Spur, slopes SE.

Descend 209 ft., over NE. slope.

33.88 Wash, 5 lks. wide, course SE.

Ascend 232 ft., over SE. slope, to

47.88 Set an iron post, 3 ft. long, 1 in. in diam., with marked stone at base 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{2}$  sec. cor., marked on brass cap,

S33 | S34  
1923

No bearing trees available.

Ascend 62 ft., over SE. slope.

54.13 Ridge, brs. NE. and SW.

Descend 307 ft., over NW. slope, to

67.38 Wash, 5 lks. wide, course NW.

Descend 101 ft., over NW. slope, to

75.61 Wash, 8 lks. wide, course W.

Ascend 32 ft., over S. slope.

84.33 Spur, slopes W.

Descend 68 ft., over N. slope, to

87.88 Intersect the Sectional Correction Line at a point 16 lks. W. of the temp. cor. of secs. 27, 28, 33 and 34. At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground, to bed rock, supported in a mound of stone for cor. of secs. 27, 28, 33 and 33, marked on brass cap,

T20S | R14E  
S28 | S27  
S33 | S34  
1923

from which,

A white oak, 12 ins. in diam., brs. N. 32 $\frac{1}{2}$ ° E., 82 lks. dist., marked T20S R14E S27 BT.

A white oak, 12 ins. in diam., brs. S. 87 $\frac{3}{4}$ ° E., 124 lks. dist., marked T20S R14E S34 BT.

A mesquite, 4 ins. in diam., brs. S. 10 $\frac{1}{4}$ ° W., 85 lks. dist., marked BT.

A white oak, 12 ins. in diam., brs. N. 16 $\frac{1}{4}$ ° W., 71 lks. dist., marked T20S R14E S28 BT.

Land, mountainous.

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

Timber, oak.

Undergrowth, scrub oak.

Good grass.

From the cor. of secs. 26, 27, 34 and 35, West, on Sectional Correction Line, bet. secs. 27 and 34. Over mountainous land, thru. scattering timber and dense undergrowth.

Descend 153 ft., over NW. slope.

6.70 Wash, 5 lks. wide, course N. near head.

Ascend 21 ft., over NE. slope.

13.20 Spur, slopes N.

Descend 192 ft., over NW. slope, to

19.00 Wash, 6 lks. wide in gulch, course N.

Ascend 40 ft., over E. slope.

20.00 Spur, slopes N.

## BOOK 3657

54 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.	
32.05	Descend 476 ft. over NW.slope, to Wash, 6 lks.wide, course NW.
34.85	Descend 13 ft., over N.slope, to Spur, slopes NW.
40.06	Descend 103 ft., over W.slope, to Set an iron post, 3 ft.long, 1 in. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone, around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	S 27
	S 34
	1923
41.00	No bearing trees available. Descend 8 ft., over W. slope. Wash, 8 lks.wide, course NW.
45.00	Ascend 54 ft., over NE.slope. Point of spur, slopes NW.
50.90	Descend 165 ft., over W.slope. Wash, 10 lks.wide, course N.
52.30	Ascend 25 ft., over E.slope. Point of spur, slopes N.
58.80	Descend 43 ft., over W.slope, to Descend 60 ft., over N.slope.
64.78	Point of spur, slopes NW. Descend 279 ft., over W.slope, to Wash, 5 lks.wide, course NW. near head.
74.72	Descend 60 ft., over NW.slope, to
80.12	The cor.of secs. 27, 28, 33 and 34. Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, juniper and oak. Undergrowth, mountain mahogany and scrub oak. Good grass.
-----	
	N.0° 2'W., bet. secs.27 and 28. Over mountainous land, thru. scattering timber and dense undergrowth.
3.00	Descend 32 ft., over NW.slope. Wash, 5 lks.wide, course W.
8.10	Descend gradually over W.slope, to Wash, 15 lks.wide, course W.
10.68	Ascend 21 ft., over S.slope. Spur, slopes W.
15.68	Descend 32 ft., over N.slope. Wash, 15 lks.wide, course W.
20.66	Ascend 108 ft., over S.slope, to Point of spur, slopes SW.
25.00	Ascend 69 ft., over W.slope, to Wash, 5 lks.wide, course SW.
32.25	Ascend 95 ft., over SE.slope. Spur, slopes SW.
34.73	Ascend 20 ft., over W.slope, to Descend 14 ft., over NW.slope.
37.20	Wash, 10 lks.wide, course SW. Ascend 71 ft., over S.slope, to
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\frac{1}{4}$
	S28   S27
	1923
46.00	No bearing trees available. Raise a mound of stone, 2 ft. base. $1\frac{1}{2}$ ft.high, W.of cor. Ascend 134 ft., over S.slope. Point of spur, slopes SW.

Survey of Subdivision lines of Township 20 South, Range 14 East. 55

Chains.

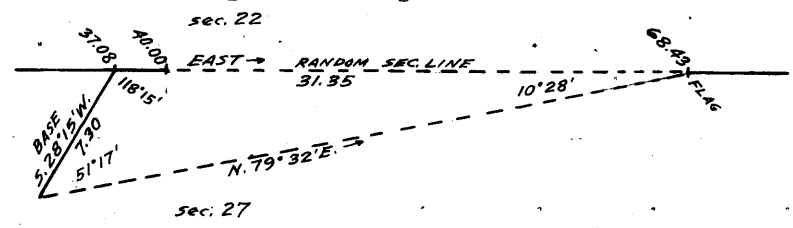
- 53.42 Descend 31 ft., over NW. slope.
- Wash, 10 lks. wide, course W.
- Ascend 37 ft., over S. slope.
- 55.42 Spur, slopes W.
- Descend 154 ft., over N. slope.
- 63.45 Wash, 15 lks. wide, in gulch, course W.
- Ascend 133 ft., over SE. slope, to
- 72.75 Spur, slopes SW.
- Ascend 41 ft., over W. slope, to
- 75.70 Wash, 10 lks. wide, course SW.
- Ascend 110 ft., over S. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap,

T20S	R14E
S21	S22
S28	S27

1923

No bearing trees available: Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, oak.  
 Undergrowth, scrub oak.  
 Good grass.

- 37.08 East, on random line, bet. secs. 22 and 27.
- 40.00 Triangulation point, Continue chaining.
- Set temp. 4 sec. cor. Beyond this point, precipitous slopes prevent chaining. Triangulate as follows:



- From 37.08 ch. station on random sec. line, measure a Base S. 28° 15' W., 7.30 chs.
- Set flag ahead on random sec. line.
- From SW. end of Base, the flag brs. N. 79° 32' E.
- From NE end of Base, the vertical angle to flag is + 12 1/4°, and to point ahead in bottom of canyon is - 20°.
- Distance on random sec. line = 37.08 chs. East.
- Distance triangulated = 31.35 chs. East.
- Total distance, = 68.43 chs. East.

- 68.43 Triangulation point. Continue line and measurement by chaining.
- 79+78 Fall 28 lks. N. of the cor. of secs. 22, 23, 26 and 27. Thence N. 89° 48' W., on true line, bet. secs. 22 and 27.
- Over mountainous land, thru. scattering timber and dense undergrowth, across "Santa Maria" patented lode mining claim, Mineral Sur. No. 2409.
- Ascend 45 ft., over SE. slope.
- 2.09 Descend 77 ft., over S. slope.
- 8.92 Intersect W end line (2-3) of the "Santa Maria" patented lode mining claim, Mineral Survey No. 2409, at a point 3.13 chs. S. 2° 25' W. from cor. No. 2 (NW. cor.) thereof.
- Leave mining claims.
- 11.00 Spur, slopes SW.
- Descend slightly over NW. slope, to
- 11.35 Triangulation point at top of cliffs, bearing NE. and SW. facing NW., and forming left rim of canyon. Discontinue chaining. Measurement to 4 sec. cor. by triangulation as hereinbefore described:

## BOOK 3657

56 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.	
36.00	Descend about 700 ft. (Approx.) Wash, 20 lks. wide, course SW. in bottom of canyon.
39.89	Ascend about 100 ft., over SE. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 22 $\frac{1}{4}$ S 27 1923
	No bearing trees available. Continue line and measurement by chaining.
43.08	Ascend 70 ft., over SE. slope. Spur, slopes S.
51.75	Descend 260 ft., over steep W. slope. Wash, 8 lks. wide in gulch, course S.
54.25	Ascend 84 ft., over E. slope. Spur, slopes S.
62.38	Descend 105 ft., over W. slope. Wash, 8 lks. wide, course SW.
65.56	Ascend 25 ft., over SE. slope. Spur, slopes SW.
68.63	Descend 85 ft., over NW. slope. Wash, 9 lks. wide, course SW.
69.53	Ascend 21 ft., over SE. slope. Spur, slopes SW.
72.03	Descend 95 ft., over W. slope, to Wash, 5 lks. wide, course SW.
79.78	Descend 100 ft., over S. slope, to The cor. of secs. 21, 22, 27 and 28. Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, oak and juniper. Undergrowth, scrub oak and scrub juniper. Fair grass.
-----	
	N.0° 2' W., bet. secs. 21 and 22. Over mountainous land, thru. scattering timber and dense undergrowth.
5.90	Ascend 121 ft., over S. slope. Point of spur, slopes SW.
14.89	Ascend 21 ft., over W. slope, to Wash, 8 lks. wide, course W.
27.10	Ascend 481 ft., over steep S. slope. Spur, slopes W.
31.10	Descend 205 ft., over steep N. slope, to Wash, 10 lks. wide, in gulch, course NW.
35.40	Descend 25 ft., over W. slope, to Point of spur, slopes NW.
40.00	Descend 217 ft., over N. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone; marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S21   S22 1923
	No bearing trees available:
43.50	Desc. 136 ft., over N. slope. Wash, 15 lks. wide, in gulch, course W.
45.60	Ascend 45 ft., over SW. slope, to Wash, 15 lks. wide, course SW.
51.24	Ascend 50 ft., over SW. slope, to Wash, 10 lks. wide, in gulch, course SW.

Survey of Subdivision lines of Township 20 South, Range 14 West. 57

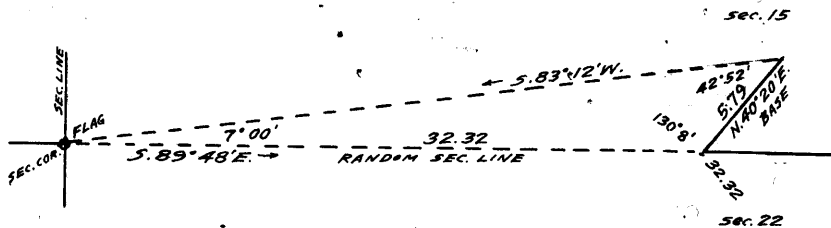
Chains.

- 63.65 Ascend 439 ft., over steep S. slope.  
Spur, slopes SW.
- 74.11 Descend 261 ft., over steep NW. slope.  
Wash, 20 lks. wide, in gulch, course SW.
- 80.00 Ascend 224 ft., over steep SE. slope, to  
Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 15, 16, 21 and 22, marked on brass cap.

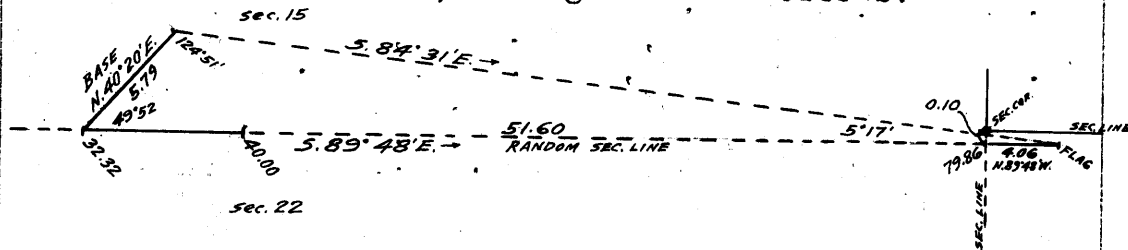
T20S	R14E
S16	S15
S21	S22
1923	

No bearing trees available.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, oak.  
Undergrowth, scrub oak.  
Fair grass.

S. 89°48'E., on random line, bet. secs. 15 and 22.  
Precipitous slopes prevent chaining; therefore, triangulate as follows:



- 32.32 Set flag on the cor. of secs. 15, 16, 21 and 22.  
From a point ahead on random sec. line, measure a Base, N. 40° 20' E., 5.79 chs.  
From NE. end of Base, the flag brs. S. 83° 12' W.  
From SW. end of Base, the vertical angle to flag is - 18°.  
Dist. on random sec. line = 32.32 chs.
- 40.00 Triangulation point on spur, sloping SW.  
Continue line and measurement by chaining.  
Set temp. sec. cor. Beyond this point, the sec. line crosses a canyon wherein precipitous slopes prevent chaining; therefore, triangulate as follows:



- 79.86 Set flag ahead on random line at 4.06 chs. E. of N. and S. line thru cor. of secs. 15, 16, 21 and 22.  
From NE. end of same Base used in the above described triangulation the flag brs. S. 84° 31' E.  
From SW. end of Base, the vertical angle to flag is + 2°.  
Distance on random sec. line = 32.32 chs. S. 89° 48' E.  
Distance triangulated = 51.60 chs. S. 89° 48' E.  
Total dist. = 83.92 chs. S. 89° 48' E.  
Dist. by return measurement = 4.06 chs. N. 89° 48' W.  
Total length of sec. line = 79.86 chs. S. 89° 48' E.  
Fall 10 lks. S. of the cor. of secs. 14, 15, 22 and 23.  
Thence, N. 89° 52' W., on a true line, bet. secs. 15 and 22.  
Over mountainous land, thru. dense undergrowth.

# BOOK 3657

Survey of Subdivision lines of Township 20 South, Range 14 East, 59

Chains.

a cross (x) at base of post, and raise a mound of stone around post, for witness cor. to cor. of secs. 9, 10, 15 and 16, marked on brass cap,

W C	
T20S	R14E
S 9	S10
S16	S15
1923.	

from which,

An oak, 5 ins. in diam., brs. S.  $46\frac{1}{2}^{\circ}$  W., 34 lks. dist., marked WC T20S R14E S16 BT.

No other bearing trees available.

80.00

True point for cor. of secs. 9, 10, 15 and 16 falls on face of cliff, where it cannot be monumented; therefore, establish witness cor. at 0.30 chs. S.  $0^{\circ}2'E.$  as described above.

Land, mountainous+

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

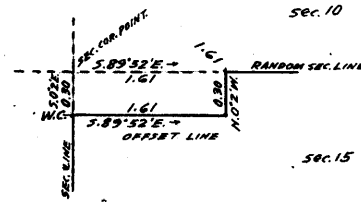
Timber, oak and juniper.

Undergrowth, mountain mahogany and scrub oak.

Fair grass.

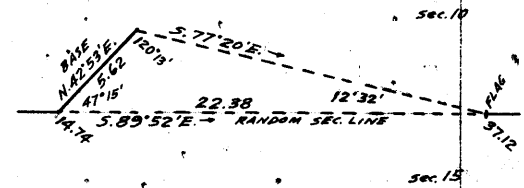
From true point for cor. of secs. 9, 10, 15 and 16, S.  $89^{\circ}52'E.$ , on random line, bet. secs. 10 and 15. The sec. cor. point being inaccessible, obtain measurement to a point on random line by offset as follows:

From W.C. to cor. of secs. 9, 10, 15 and 16, which is 0.30 chs. S.  $0^{\circ}2'E.$  of cor. point, S.  $89^{\circ}52'E.$ , 1.61 chs. to offset point.



Thence, N.  $0^{\circ}2'W.$ , 0.30 chs. to offset point on random sec. line at  
1.61  
14.74  
Beyond this point, the random sec. line crosses a canyon wherein precipitous slopes prevent chaining.

From 14.74 ch. station on random line, measure a Base N.  $42^{\circ}53'E.$ , 5.62 chs. Set flag ahead on random sec. line.



From NE. end of Base, the flag brs. S.  $77^{\circ}20'E.$

From SW. end of Base, the vertical angle to flag is +  $2^{\circ}$ , and to point ahead on random sec. line in bottom of canyon is -  $21^{\circ}$ .

Distance on random sec. line = 14.74 chs. S.  $89^{\circ}52'E.$   
Distance triangulated = 22.38 chs. S.  $89^{\circ}52'E.$

Total distance, = 37.12 chs. S.  $89^{\circ}52'E.$

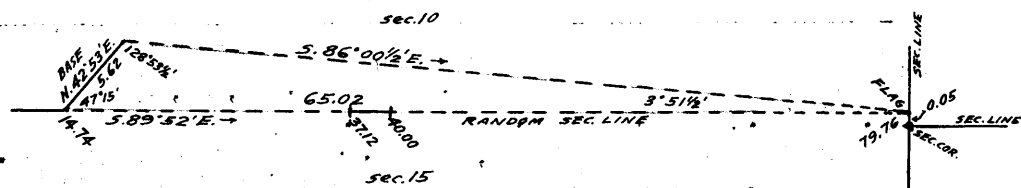
37.12

Triangulation point, 51 ft. above 14.74 ch. station. Continue line and measurement by chaining.

40.00

Set temp. sec. cor.

Beyond this point, the line crosses precipitous broken slopes, where chaining is impracticable; therefore, triangulate as follows:



Set flag ahead on random sec. line at a point 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.

From NE. end of same Base used in above described triangulation the flag brs. S.  $86^{\circ}00\frac{1}{2}'E.$

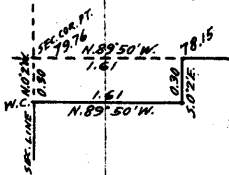
From SW. end of Base, the vertical angle to flag is +  $8^{\circ}$ .



## BOOK 3657

80 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.	Distance on random sec. line = 14.74 chs. S. 89° 52' E. Distance triangulated = <u>65.02</u> chs. S. 89° 52' E.
	Total length of random sec. line, = 79.76 chs. S. 89° 52' E.
79+76	Fall 5 lks. N. of the cor. of secs. 10, 11, 14 and 15. Thence, N. 89° 50' W., on true line, bet. secs. 10 and 15. Over mountainous land, thru. scattering timber and dense undergrowth. Measurement to $\frac{1}{4}$ sec. cor. by triangulation, hereinbefore described.
18.50	Descend about 900 ft., over precipitous broken NW. slope, to (Approx.) Wash, 10 lks. wide, in bottom of canyon, course SW.
24.50	Ascend about 550 ft., over steep SE. slope. (Approx.) Spur, slopes SW.
39.88	Descend about 200 ft., over steep W. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone, around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,
	$\frac{1}{4}$ S 10 S 15 1923
	No bearing trees available. Continue line and measurement by chaining.
42.64	Descend 50 ft., over W. slope, to Triangulation point. Discontinue chaining. Measurement across canyon by triangulation, hereinbefore described.
56.00	Descend about 250 ft., over NW. slope. (Approx.) Wash, 10 lks. wide, in bottom of canyon, course SW.
65.02	Deserted log cabin brs. S. 45° E., about 3 chs. dist. Ascend about 200 ft., over steep SE. slope, to Triangulation point on spur, sloping SW. Continue line and measurement by chaining.
76.26	Descend 390 ft., over NW. slope. Wash, 10 lks. wide, in gulch, course SW.
78.15	Ascend 70 ft., over SE. slope, to Offset point near foot of cliff, bearing NE. and SW., facing SE.
	Thence, S. 0° 2' E., 0.30 chs. to offset point in sec. 15. Thence, N. 89° 50' W., 1.61 chs. to W. C. to cor. of secs. 9, 10, 15 and 16. Thence, N. 0° 2' W., 0.30 chs. (computed) on sec. line, bet. secs. 15 and 16, to
79.76	True point for cor. of secs. 9, 10, 15 and 16 on face of cliff, bearing NE. and SW., facing SE. Land, mountainous. Soil, rocky, 4th rate. Timber, juniper and oak. Undergrowth, mountain mahogany and scrub oak. Fair grass.

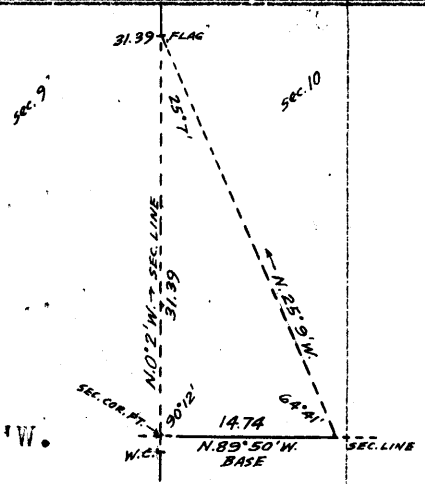


From true point for cor. of secs. 9, 10, 15 and 16,  
N. 0° 2' W., bet. secs. 9 and 10.  
Over mountainous land, thru. dense undergrowth.  
The sec. cor. point being inaccessible, and the southern point of this sec. line being impassable owing to cliffs, triangulate as follows:  
From the sec. cor. of sec. 15  
From the sec. cor. of secs. 15 and 16,  
line in a line N. 0° 2' W. on the  
sec. line bet. secs. 9 and 10,  
bet. sec. cor. of sec. line

Survey of Subdivision lines of Township 20 South Range 14 East. 61

Chains.

From the  $\frac{1}{4}$  sec.cor.of secs.15 and 16, line in a flag N:0° 2'W., on the sec.line, bet. secs. 9 and 10.  
 From 65.02 ch.station on sec.line bet. secs.10 and 15, the flag brs.N.25° 9'W.  
 The Base for this triangulation is therefore, 79:76 chs.-65.02 chs. = 14.74 chs. N.89° 50'W.

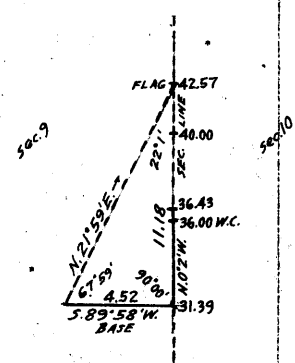


- 20.00 Distance triangulated = 31.39 chs. N.0° 2' W. (Approx.) Bottom of gulch, course S.20° E.
- 31.39 Triangulation point on spur, sloping S.70° W., about 875 ft. above W.C. to cor. of secs. 9, 10, 15 and 16. Continue line and measurement by chaining.
- 36.00 Descend 130 ft., over steep N. slope to S. rim of canyon. Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for witness cor. to  $\frac{1}{4}$  sec.cor., marked on brass cap,

W C  
 $\frac{1}{4}$   
 S 9 | S 10  
 1923

- 36.43. No bearing trees available. South, or left rim of canyon, brs. E. and W. Discontinue chaining owing to cliffs in canyon. Triangulate as follows:

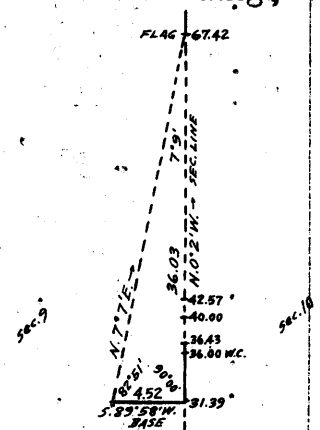
From 31.39 ch. station on sec. line, measure a Base, S.89° 58' W., 4.52 chs. Set flag ahead on sec. line in bottom of canyon.  
 From W. end of Base, the flag brs. N.21° 59' E.  
 From 31.39 ch. station, the vertical angle to flag is - 18°.



- 40.00 Dist. on sec. line = 31.39 chs. N.0° 2' W. Dist. triangulated = 11.18 chs. N.0° 2' W. Total distance = 42.57 chs. W.0° 2' W. True point for  $\frac{1}{4}$  sec.cor. falls on precipitous S. or left wall of canyon, where it is inaccessible. Witness cor. established on sec. line at 4.00 chs. S.0° 2' E., as described above.

- 42.57 Triangulation point in wash, 8 lks. wide, course W. in bottom of canyon, 110 ft. below W.C. to  $\frac{1}{4}$  sec.cor. Beyond this point, precipitous ascent prevents chaining; therefore, triangulate as follows:

Set flag ahead on sec. line.  
 From W. end of same Base used in above described triangulation, the flag brs. N.7° 7' E.  
 From 31.39 ch. station on sec. line the vertical angle to flag is + 11°.



- 67.42 Dist. on sec. line = 31.39 chs. N.0° 2' W. Dist. triangulated = 36.03 chs. N.0° 2' W. Total distance, = 67.42 chs. N.0° 2' W.

- 76.00 Triangulation point on granite peak in spur, sloping W., 590 ft. above W.C. to  $\frac{1}{4}$  sec.cor. Continue line and measurement by chaining. Descend 250 ft. over steep N. slope to top of cliff.
- 77.00 Offset point. Continue chaining to top of cliff. 300 ft. high, bearing NE. and SW. facing NW.



Survey of Subdivision lines of Township 20 South, Range 14 East. 63  
Chains.

1 S 3  
S 10  
1923.

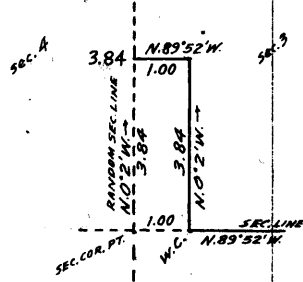
66.95 No bearing trees available.  
Discontinue chaining.  
Measurement by triangulation, as hereinbefore described:  
Ascend 1050 ft., over precipitous broken NE. slope.  
Triangulation pt. on ridge, bearing N. 20° W. and S. 20° E.  
Continue line and measurement by chaining.  
78.70 Descend 260 ft., over W. slope, to  
Top of cliff, 300 ft. high, bearing N. and SW., facing NW.  
Beyond this point, the line is impassable; therefore,  
establish witness cor. on line at this point as follows:  
Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in  
the ground to bed rock, deposit a stone marked with  
a cross (x) at base of post, and raise a mound of  
stone around post, for witness cor. to cor. of secs. 3, 4,  
9 and 10, marked on brass cap,

T20S | R14E  
S 4 | S 3  
WC ---  
S 9 | S 10  
1923

79.70 No bearing trees available.  
True point for cor. of secs. 3, 4, 9 and 10, falls on face  
of cliff, where it is inaccessible. Witness cor. es-  
tablished at 1.00 ch. S. 89° 52' E., as described above.  
Land, mountainous.  
Soil, rocky and gravelly, 3rd and 4th rate.  
Timber, juniper, pine and oak.  
Undergrowth, manzanita, mountain mahogany and scrub oak.  
Fair grass.

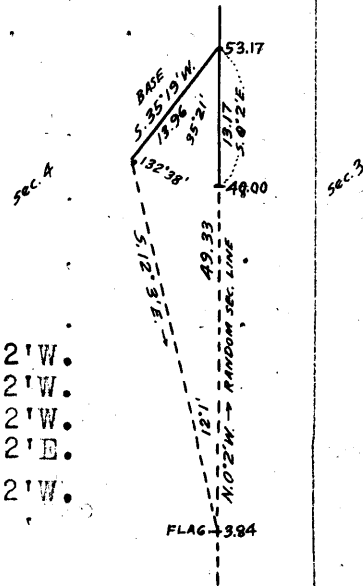
From true point for cor. of secs. 3, 4, 9 and 10,  
N. 0° 2' W., on random line, bet. secs. 3 and 4.  
The southern part of this line falls on cliffs, and is  
impassable; therefore, avoid the cliffs by offset line  
as follows:

From W.C. to cor. of secs. 3, 4, 9 and 10,  
which is 1.00 ch. S. 89° 52' E.  
from cor. point.  
N. 0° 2' W., 3.84 chs. to offset point  
in sec. 3.



Thence,  
N. 89° 52' W., 1.00 ch. to offset point  
on random sec. line, at  
3.84 Thence N. 0° 2' W., on random sec. line, continuing measurement  
from sec. cor. point by triangulation as follows:

Set flag at 3.84 ch. point on random sec.  
line.  
From a point ahead on random line,  
measure a Base S. 35° 19' W., 13.96  
chs.  
From SW. end of Base, the flag brs.  
S. 12° 3' E.  
From NE end of Base, the vertical  
angle to flag is + 20°.



Dist. on random sec. line = 3.84 chs. N. 0° 2' W.  
Dist. triangulated = 49.33 chs. N. 0° 2' W.  
Total dist. = 53.17 chs. N. 0° 2' W.  
By return chaining, = 13.17 chs. S. 0° 2' E.  
Dist. to temp. 1/4 sec. cor. = 40.00 chs. N. 0° 2' W.  
40.00 Set temp. 1/4 sec. cor.

## BOOK 3657

64 Survey of Subdivision lines of Township 20 South, Range 14 South.

Chains.

- Continue line and measurement by chaining.  
 53.17 Triangulation point. Continue chaining.  
 72.24 Fall 29 lks. E. of the cor. of secs. 3, 4, 33 and 34, on the  
 N. bdy. of the Tp., hereinbefore described.  
 Thence,  
 S. 0° 16' E., on true line, bet. secs. 3 and 4.  
 Over mountainous land, thru. scattering timber and under-  
 growth.  
 1.10 Ascend 32 ft., over steep E. slope, to  
 Spur, slopes N. 20° W.  
 9.56 Ascend 39 ft., over W. slope, to  
 Head of wash, course NW.  
 19.07 Ascend 450 ft., over steep N. slope, to  
 Triangulation point on spur, sloping NW.  
 Continue chaining.  
 Descend 51 ft., over SW. slope.  
 26.47 Ascend 165 ft., over steep W. slope, to  
 32.24 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S 4 | S 3  
 1923

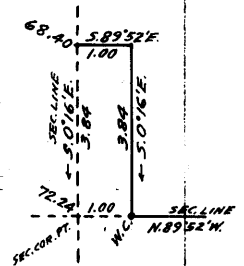
from which,

A juniper, 20 ins. in diam., brs. N. 52° E., 53  
 lks. dist., marked  $\frac{1}{4}$  S 3 BT.

An oak, 10 ins. in diam., brs. S. 48° W., 23 lks.  
 dist., marked  $\frac{1}{4}$  S 4 BT.

Discontinue chaining.

- Measurement to 68.40 ch. station by triangulation.  
 59.50 Ascend about 700 ft., over NW. slope, to  
 (Approx.) Wash, course NW. in head of canyon.  
 68.40 Ascend about 400 ft., over precipitous NE. slope, to  
 Triangulation point on ridge, bearing NW. and SE.  
 Beyond this point, the line is impassable owing to cliffs;  
 therefore, offset as follows:  
 S. 89° 52' E., 1.00 ch. to offset point in sec. 3.  
 Thence,  
 S. 0° 16' E., 3.84 chs. to W.C. to sec. cor.  
 Thence,  
 N. 89° 52' W., 1.00 ch. (computed) to  
 72.24 The true point for cor. of secs. 3, 4, 9 and 10 on  
 face of cliffs.  
 Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub oak and mountain mahogany.  
 Fair grass.



- From the reestablished standard cor. of secs. 32 and 33, on  
 S. bdy. of Tp. (4th. Std. Par. S.) hereinbefore described,  
 N. 0° 2' W., bet. secs. 32 and 33.  
 Over mountainous land, thru. scattering undergrowth.  
 5.00 Descend 46 ft., over NW. slope.  
 Wash, 10 lks. wide, course N. 70° W.  
 15.00 Ascend 68 ft., over S. slope.  
 Spur, slopes SW.  
 32.00 Descend 120 ft., over NW. slope.  
 Wash, 6 lks. wide, course SW.  
 42.81 Ascend 50 ft., over S. slope.  
 Spur, slopes SW.  
 48.02 Descend 58 ft., over NW. slope, to  
 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in  
 the ground to bed rock, deposit a stone marked with  
 a cross (x) at base of post, and raise a mound of  
 stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass  
 cap,

## Survey of Subdivision lines of Township 20 South, Range 14 East. 65

Chains.

†  
S32 | S33  
1923

- No bearing trees available.  
Descend 92 ft., over NW. slope.
- 59.60 Cottonwood wash, 20 lks. wide, containing a stream of pure clear water, 6 lks. wide, 3 ins. deep, course S. 70° W. in bottom of canyon.
- Ascend 294 ft., over SE. slope.
- 74.77 Spur, slopes SW.
- Descend 103 ft., over NW. slope, to
- 88.02 Intersect Sectional Correction Line at a point 18 lks. W. of the temp. cor. of secs. 28, 29, 32 and 33.
- At point of intersection,  
Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 28, 29, 32 and 33, marked on brass cap,

T20S | R14E  
S29 | S28  
S32 | S33  
1923

No bearing trees available.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, none, except a fringe of mesquite along Cottonwood Wash.  
Undergrowth, greasewood.

- From the cor. of secs. 27, 28, 33 and 34,  
West, on Sectional Correction Line, bet. secs. 28 and 33.  
Over mountainous land, thru. scattering timber and dense undergrowth.
- 5.57 Descend 85 ft., over NW. slope, to  
Wash, 15 lks. wide, course SW.
- 10.50 Descend 38 ft., over SW. slope, to  
Same wash, 15 lks. wide, course NW.
- 15.50 Descend 29 ft. over NW. slope, to  
Same wash, 15 lks. wide, course SW.
- 20.00 Descend 23 ft., over SW. slope, to  
Wash, 20 lks. wide, course SW. joined at this point by two other washes from NE.
- 21.50 Descend 9 ft., over SW. slope, to  
Wash, 16 lks. wide, course NW.
- 31.00 Descend 48 ft., over NW. slope, to  
Wash, 20 lks. wide, course SW.
- 40.01 Descend 25 ft., over S. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for a sec. cor., marked on brass cap,

† S 28  
S 33  
1923

- No bearing trees available.  
Descend 21 ft., over S. slope, to
- 43.93 Point of spur, slopes SW.
- Descend 74 ft., over W. slope.
- 46.65 Wash, 15 lks. wide, containing a stream of clear water, 8 lks. wide, 4 ins. deep, course S. 30° W.
- Ascend 35 ft., over SE. slope.

## BOOK 3657

66 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

- 51.74 Point of spur slopes S.20°W.  
Descend 14 ft., over SW. slope.
- 54.70 Wash, 5 lks. wide, course S.  
Ascend 300 ft., over SE. slope.
- 69.00 Spur, slopes SW.  
Descend 278 ft., over NW. slope, to
- 80.02 The cor. of secs. 28, 29, 32 and 33.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd rate.  
Timber, oak.  
Undergrowth, scrub oak and greasewood.  
Good grass.
- 
- N.0°2'W., bet. secs. 28 and 29.  
Over mountainous land, thru scattering timber and dense undergrowth.
- 0.10 Descend slightly over NW. slope, to  
Wash, 6 lks. wide, course SW.  
Ascend 137 ft., over S. slope.
- 6.89 Point of spur, slopes SW.  
Descend 42 ft., over NW. slope.
- 12.25 Wash, 8 lks. wide, course SW.  
Ascend 95 ft., over SE. slope.
- 13.33 Old road, brs. NE and SW.
- 18.50 Wash, 10 lks. wide, course SE.  
Ascend 608 ft., over SW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

\*  
S29 | S28

1923

No bearing trees available.

From this  $\frac{1}{4}$  sec. cor., U.S.L.M. No. 1 of the Tyndall Mining District brs. S. 31°16'E., 7.39 chs. dist.

- 45.80 Ascend 92 ft., over S. slope.  
Ridge, brs. E. and W.
- 79.60 Descend 689 ft., over N. slope.  
Wash, 10 lks. wide, in gulch, course W.
- 80.00 Ascend 10 ft., over SW. slope, to  
Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 20, 21, 28 and 29, marked on brass cap,

T20S R14E

S20 | S21

S29 | S28

1923

No bearing trees available.

Land, mountainous.

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

Timber, juniper and oak.

Undergrowth, greasewood and scrub oak.

Good grass.

- 
- 40:00 East, on random line; bet. secs. 21 and 28.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 79.96 Fall 10 lks. N. of the cor. of secs. 21, 22, 27 and 28.  
Thence,

Survey of Subdivision lines of Township 20 South Range 14 East. 67

Chains.

- N. 89° 56' W., on true line, bet. secs. 21 and 28.  
Over mountainous land, thru. scattering timber and dense undergrowth.
- 7.10 Descend 140 ft., over S. and SW.
- 17.24 Wash, 6 lks. wide, in gulch, course S.  
Ascend 228 ft., over E. slope.
- 30.54 Spur, slopes S.  
Descend 273 ft., over W. slope, to
- 33.61 Wash, 5 lks. wide, course S. near head.  
Descend slightly over S. slope, to
- 37.60 Wash, 6 lks. wide, course S. near head.  
Ascend 49 ft., over SE. slope,
- 39.98 Point of spur, slopes S. 40° W.  
Descend 28 ft., over W. slope, to
- Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, supported in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 21  
 S 28  
 1923

from which,

- An oak, 12 ins. in diam., brs. N. 81° W., 60 lks. dist., marked  $\frac{1}{4}$  S 21 BT.
- An oak, 14 ins. in diam., brs. S. 25° E., 6 lks. dist., marked  $\frac{1}{4}$  S 28 BT.

- 63.35 Descend 257 ft., over W. slope.  
Wash, 10 lks. wide, in gulch, course S. 60° W.  
Descend 232 ft., over SW. slope, to sec. cor.
- 65.08 Intersect E. side line (3-4) of the "Pluto" patented lode mining claim, Mineral Survey No. 938 at a point 0.02 chs. S. 1° 50' W. from cor. No. 3 (NE. cor.) thereof. Thence across said claim.
- 73.42 Intersect W. side line (6-7) of the Pluto, patented lode mining claim, Mineral Survey No. 938 at a point 0.60 chs. S. 2° 12' W. from cor. No. 7 (NW. cor.) thereof.  
Leave said mining claim.
- 79.96 The cor. of secs. 20, 21, 28 and 29,  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, juniper and oak.  
Undergrowth, scrub oak.  
Fair grass.

- 
- N. 0° 2' W., bet. secs. 20 and 21.  
Over mountainous land, thru. scattering timber and dense undergrowth.
  - 11.71 Ascend 333 ft., over steep SW. slope.  
Spur, slopes W.
  - 21.00 Descend 274 ft., over N. slope.  
Wash, 10 lks. wide, course W.
  - 26.50 Ascend 34 ft., over S. slope.  
Spur, slopes W.
  - 36.75 Descend 197 ft., over NW. slope.  
Wash, 12 lks. wide, in bottom of Montoza Canyon, course SW.
  - 40.00 Ascend 43 ft., over SW. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 20 | S 21  
 1923

from which,

- A black oak, 15 ins. in diam. brs. S. 44° E., 22 lks. dist., marked  $\frac{1}{4}$  S 21 BT.



## BOOK 3657

68 Survey of Subdivision lines of Township 20 South Range 14 East.

Chains.

- A black oak, 12 ins. in diam., brs. S.  $34\frac{1}{2}^{\circ}$  W., 61 lks. dist., marked  $\frac{1}{4}$  S 20 BT.
- 42.00 Ascend 34 ft., over SW. slope, to Wash, 6 lks. wide, course SW.
- 49.57 Ascend 152 ft., over SE. slope, to Spur, slopes SW.
- 56.06 Ascend 65 ft., over W. slope, to Wash, 6 lks. wide, course SW.
- 61.04 Ascend 73 ft., over SE. slope. Spur, slopes SW.
- 67.25 Descend 123 ft., over NW. slope. Wash, 10 lks. wide, in gulch, course SW.
- 80.00 Ascend 263 ft., over SE. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, supported in a mound of stone, for cor. of secs. 16, 17, 20 and 21, marked on brass cap,

20S	R14E
S17	S16
S20	S21

1923

No bearing trees available. Raise a mound of stone, 2 ft. base;  $1\frac{1}{2}$  ft. high, W. of cor.  
 Land, mountainous.  
 Soil; gravelly and rocky, 3rd and 4th rate.  
 Timber, oak and juniper.  
 Undergrowth, scrub oak.  
 Fair grass.

- 40.00 S.  $89^{\circ}56'$  E., on a random line, bet. secs. 16 and 21. Set temp.  $\frac{1}{4}$  sec. cor.
- 80.04 Fall 24 lks. N. of the cor. of secs. 15, 16, 21 and 22. Thence N.  $89^{\circ}46'$  W., on a true line, bet. secs. 16 and 21. Over mountainous land, thru. scattering timber and dense undergrowth.
- 3.35 Ascend 47 ft., over SE. slope. Point of spur, slopes SW.
- 7.79 Descend 58 ft., over W. slope. Wash, 8 lks. wide, in gulch, course SW. near head.
- 21.29 Ascend 235 ft., over SE. slope. Spur. slopes SW.
- 34.54 Descend 96 ft., over W. slope. Wash, 12 lks. wide, in gulch, course S.
- 40.02 Ascend 100 ft., over SE. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 16  
 S 21  
 1923

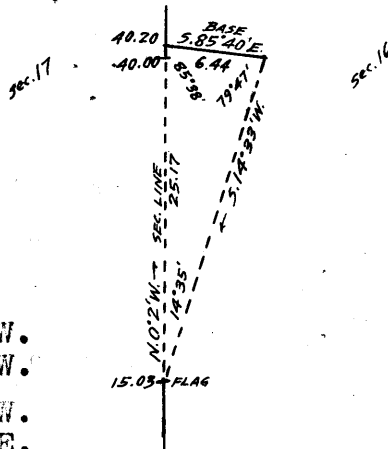
- No bearing trees available.
- 49.65 Ascend 190 ft., over SE. slope. Spur. slopes S.
- 56.00 Descend 187 ft., over SW. slope. Ascend 16 ft., over SE. slope.
- 59.20 Point of spur, slopes S. Descend 316 ft., over SW. slope.
- 69.24 Wash, 10 lks. wide, in gulch, course SW. Ascend 160 ft., over SE. slope, to
- 80.04 The cor. of secs. 16, 17, 20 and 21. Land, mountainous.  
 Soil; gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub oak.  
 Fair grass.

Survey of Subdivision lines of Township 20 South, Range 14 East. 69

Chains.

N.0°2'W., bet. secs. 16 and 17.  
 Over mountainous land, thru. scattering timber and dense undergrowth.  
 Ascend 22 ft., over SE. slope.  
 1.20 Spur, slopes SW.  
 Ascend 57 ft., over W. slope.  
 8.60 Ascend 20 ft., over SW. slope.  
 12.89 Descend 15 ft., over W. slope, to  
 15.03 Spur, slopes NW. Beyond this point precipitous broken descent prevents chaining; therefore, triangulate as follows:

Set a flag on line at this point.  
 From a point ahead on sec. line, measure a Base S.85°40'E., 6.44 chs.  
 From SE. end of Base, the flag brs. S.14°33'W.  
 From NW. end of Base, the vertical angle to flag is +18°.  
 Dist. on sec. line = 15.03 chs. N.0°2'W.  
 Dist. triangulated = 25.17 chs. N.0°2'W.  
 Total dist. = 40.20 chs. N.0°2'W.  
 Return measurement = 0.20 chs. S.0°2'E.  
 To 1/4 sec. cor., 40.00 chs. N.0°2'W.



40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

1/4  
 S17 | S16  
 1923

40.20 No bearing trees available. Triangulation point in wash, 5 lks. wide, course NW., 540 ft. below 15.03 ch. station on sec. line. Continue line and measurement by chaining.  
 50.00 Descend 130 ft., over NW. slope, to Wash, 10 lks. wide, course W.  
 52.50 Ascend 25 ft., over S. slope.  
 55.00 Old trail, brs. E. and W. Spur, slopes W.  
 59.00 Descend 30 ft., over N. slope. Wash, 15 lks. wide, course W.  
 62.34 Ascend 25 ft., over SW. slope. Point of spur, slopes W.  
 66.00 Descend 45 ft., over NW. slope. Agua Caliente Wash, 25 lks. wide, course S.80°W.  
 75.00 Ascend 63 ft., over S. slope. Point of spur, slopes SW.  
 79.50 Descend 18 ft., over NW. slope. Wash, 5 lks. wide, course SW.  
 80.00 Ascend 8 ft., over SE. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 8, 9, 16 and 17, marked on brass cap,

T20S | R14E  
 S 8 | S 9  
 S17 | S16  
 1923

No bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub oak.  
 Fair grass+

## BOOK 3657

70 Survey of Subdivision lines of Township 20 South, Range 14 East.

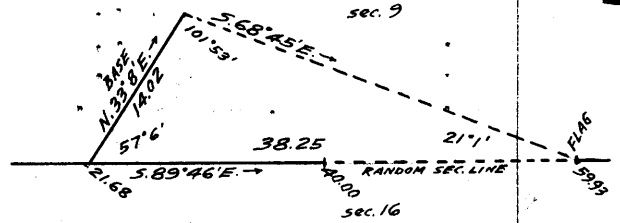
Chains.

21.68 S.89°46'E., on a random line, bet. secs.9 and 16.  
 40.00 Triangulation point. Continue chaining.  
 Set temp.  $\frac{1}{4}$  sec.cor. Beyond this point, precipitous ascent prevents chaining; therefore, triangulate as follows:

Set flag ahead on random sec. line.

From 21.68 ch.station on random line, measure a Base N.33°8'E., 14.02 chs.  
 From NE. end of Base, the flag brs. S.68°45'E.

From SW. end of Base, the vertical angle to flag is +19°.



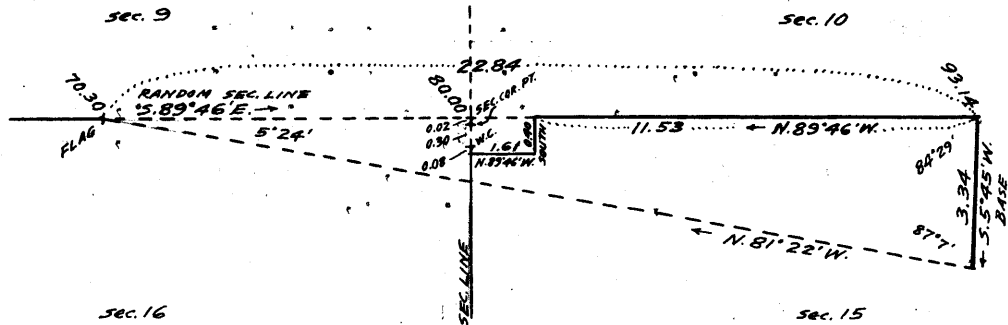
Distance on random sec. line = 21.68 chs. S.89°46'E.  
 Distance triangulated = 38.25 chs. S.89°46'E.

Total distance, = 59.93 chs. S.89°46'E.

59.93 Triangulation point, 870 ft. above 21.68 ch. station.

Continue line and measurement by chaining.

70.30 Beyond this point, precipitous descent over cliffs facing SE. renders chaining impracticable; therefore, triangulate as follows:



Set flag on random sec. line, at 70.30 ch. station.  
 From a point ahead on random sec. line extended beyond the objective cor. point, measure a Base, S.5°45'W., 3.34 chs.

From SW. end of Base, the flag brs. N.81°22'W.

From NE end of Base, the vertical angle to flag is +20°.

From NE. end of Base, chain return measurement N.89°46'W., 11.53 chs.; thence offset South 0.40 chs.; thence N.89°46'W., 1.61 chs. to a point 0.08 chs. S. of the W.C. to sec.cor., or 0.38 chs. S. of the true point for cor. of secs.9,10,15 and 16. As the offset to random line is 0.40 chs. S. of said line, the falling of the random line would be 0.02 chs. N. of the sec.cor. point.

Dist. on random sec. line = 70.30 chs. S.89°46'E.

Dist. triangulated = 22.84 chs. S.89°46'E.

Total distance, = 93.14 chs. S.89°46'E.

Return measurement = 13.14 chs. N.89°46'W.

Length of random sec. line = 80.00 chs. S.89°46'E.

80.00 The random sec. line extended would therefore at Fall 2 lks. N. of the true point for cor. of secs.9,10,15 and 16.

Thence, N.89°44'W., on true line, bet. secs.9 and 16.

Over mountainous land, thru. scattering timber and dense undergrowth. Measurement of 9.70 chs. by triangulation hereinbefore described.

9.70 Ascend 300 ft., over SE. faces of cliffs. to Triangulation point on spur, sloping S. Continue line and measurement by chaining.

12.00 Descend 128 ft., over W. slope. Wash, 8 lks. wide, in gulch, course S.

Ascend 93 ft., over SE. slope.

20.07 Triangulation point on spur, sloping S. This point is at top of perpendicular cliff, 150 ft. high, bearing NE. and SW., facing NW.

Discontinue chaining. Measurement to  $\frac{1}{4}$  sec.cor. by triangulation, as hereinbefore described.

Survey of Subdivision lines of Township 20 South, Range 14 East. 71

Chains.

26.00 Descend about 350 ft., over cliffs, to (Approx.) Wash, 10 lks. wide, course SW. in gulch.  
 40.00 Ascend about 175 ft., over SE. slope, to Spur, slopes SW. Set an iron post, 3 ft. long, 1 in. in diam.; 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 9  
 S 16  
 1923

No bearing trees available.  
 Continue line and measurement by chaining.

44.33 Descend 175 ft., over NW. slope. Wash, 6 lks. wide, in gulch, course SW.  
 Ascend 50 ft., over SE. slope.  
 47.88 Point of spur, slopes S.  
 Descend 171 ft., over SW. slope.  
 53.33 Wash, 10 lks. wide, in gulch, course S.  
 Ascend 50 ft., over SE. slope.  
 58.32 Triangulation point on spur, sloping SW. Continue chaining.  
 Descend 202 ft., over NW. slope.  
 79.00 Wash, 8 lks. wide, course SW.  
 Ascend slightly over SE. slope, to  
 80.00 The cor. of secs. 8, 9, 16 and 17.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, juniper and oak.  
 Undergrowth, scrub oak.  
 Good grass.

N. 0° 2' W., bet. secs. 8 and 9.  
 Over mountainous land, thru. scattering timber and dense undergrowth.

32.00 Ascend 858 ft., over steep SE. and S. slopes, to Ridge, brs. E. and W.  
 40.00 Descend 162 ft., over N. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S 8 | S 9  
 1923

No bearing trees available.  
 Descend 596 ft., over steep N. slope.  
 47.44 Intersect SE. side line (3-4) of the "Tip Top" patented lode mining claim, survey No. 3212 at a point, 6.19 chs. S. 53° 12' W. from cor. No. 3 (SE. cor. thereof. Thence over patented mineral land to sec. cor.

58.57 A point from which U.S.L.M. No. 3212 of the Tyndall Mining District, brs. N. 80° 03' W.  
 66.85 Wash, 25 lks. wide, course N. 70° W. in bottom of canyon, Ascend 118 ft., over S. slope, to  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 4, 5, 8 and 9, marked on brass cap,

T20S R14E  
 S 5 | S 4  
 S 8 | S 9  
 1923

# BOOK 3657

72 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

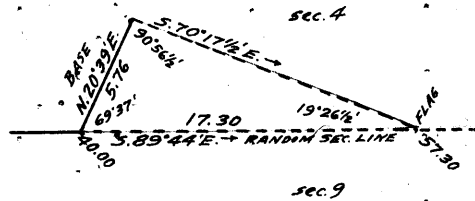
No bearing trees available.  
From this cor. U.S.L.M. No. 3212 of the Tyndall Mining District, brs. S. 74°02'W.

A mine hoist at collar of shaft brs. S. 14°W.  
The NE. cor. of ore bins brs. S. 19°W.

Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, oak.  
Undergrowth, scrub oak.  
Good grass.

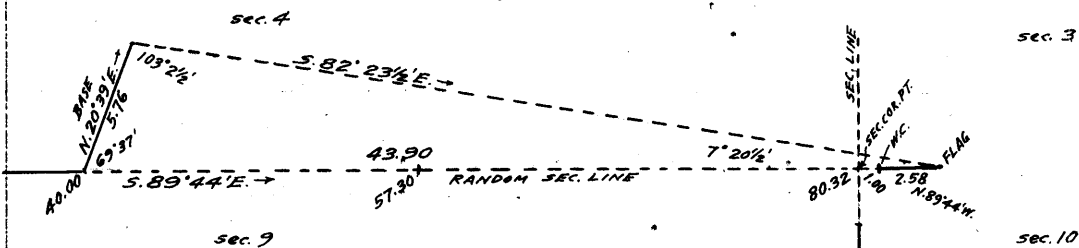
40.00 S. 89°44'E., on random line, bet. secs. 4 and 9.  
Set temp.  $\frac{1}{4}$  sec. cor. Beyond this point, chaining is impracticable owing to precipitous broken slopes in a canyon. Triangulate as follows:

From temp.  $\frac{1}{4}$  sec. cor., measure a Base, N. 20°39'E., 5.76 chs.  
Set flag ahead on random sec. line in bottom of canyon.  
From NE. end of Base, the flag brs. S. 70°17 $\frac{1}{2}$ 'E.



From SW. end of Base, the vertical angle to flag is -18°.  
Dist. on random sec. line = 40.00 chs. S. 89°44'E.  
Dist. triangulated = 17.30 chs. S. 89°44'E.

57.30 Total distance, = 57.30 chs. S. 89°44'E.  
Triangulation point in bottom of canyon. beyond this point, precipitous ascent over cliffs prevents chaining; therefore, triangulate as follows:



Set flag ahead on random sec. line extended beyond the objective sec. cor. point.  
From NE. end of same Base used in the above described triangulation, the flag brs. S. 82°23 $\frac{1}{2}$ 'E.  
From SW. end of Base, the vertical angle to flag is +20°.  
From flag chain return measurement of 2.58 chs. N. 89°44'W. to intersection with W.C. to cor. of secs. 3, 4, 9 and 10, which is 1.00 ch. S. 89°52'E. from sec. cor. point. The return measurement to sec. cor. point is therefore 3.58 chs. N. 89°44'W.

Dist. on random sec. line = 40.00 chs. S. 89°44'E.  
Dist. triangulated = 43.90 chs. S. 89°44'E.  
Total distance, = 83.90 chs. S. 89°44'E.  
Return measurement = 3.58 chs. N. 89°44'W.

80.32 Length of random sec. line = 80.32 chs. S. 89°44'E.  
The random sec. line extended would therefore at  
Intersect the true point for cor. of secs. 3, 4, 9 and 10 on W. face of cliff.

Thence, N. 89°44'W., on true line, bet. secs. 4 and 9.  
Over mountainous land, thru. scattering timber and dense undergrowth. Measurement to bottom of canyon by triangulation hereinbefore described.

23.02 Descend 950ft. over cliffs, to  
Triangulation point in wash, 12 lks. wide, course SW. in bottom of canyon. Thence by triangulated measurement to  $\frac{1}{4}$  sec. cor.

40.16 Ascend 370 ft., over precipitous SE. slope, to  
Spur, slopes SW. Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

Survey of Subdivision lines of Township 20 South, Range 14 East 73

Chains

$\frac{1}{4}$      $\frac{S\ 4}{S\ 9}$   
 1923

from which,  
 A juniper, 18 ins. diam., bears N.73 $\frac{1}{2}$ °E., 36 lks. dist.  
 marked  $\frac{1}{4}$  S 4 B T  
 A pine, 6 ins. diam., bears S.2 $\frac{1}{4}$ °E., 31 lks. dist.  
 marked  $\frac{1}{4}$  S 9 B T

54.32 Descend 257 ft. over steep NW. slope to Wash, 10 lks. wide, in gulch, course SW.  
 57.70 Desc. 442 ft. over steep SW. slope to 75.32 ch. point. Intersect S. side line (1-4) of the "Eureka" patented mining claim, Mineral Survey No. 3212, at a point 4.13 chs. S.82°12'W. of Cor. No. 4 (SE. cor.) thereof.  
 75.32 Wash, 9 lks. wide, course SW.  
 80.32 Descend 74 ft. over steep S. slope to The cor. of secs. 4, 5, 8 and 9.  
 Land; mountainous.  
 Soil; gravelly and rocky, 3rd. and 4th. rates.  
 Timber; pine, juniper and oak.  
 Undergrowth; manzanita, mountain mahogany and scrub oak.  
 Fair grass.

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40.00 N.0°2'W. on a random line bet. secs. 4 and 5. Set temp.  $\frac{1}{4}$  sec. cor.  
 71.48 Fall 33 lks. E. of the cor. of secs. 4, 5, 32 and 33, on N. bdy. of Tp., hereinbefore described.  
 Thence,  
 S.0°18'E., on a true line bet. secs. 4 and 5.  
 Over mountainous land, through scattering timber and dense undergrowth.  
 Ascend 37 ft. over steep W. slope.  
 1.34 Ascend 189 ft. over steep N. slope.  
 6.34 Spur. slopes NW.  
 Descend 274 ft. over steep SW. slope.  
 18.84 Wash, 8 lks. wide, in gulch, course N.70°W.  
 Ascend 403 ft. over steep N. slope.  
 31.84 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bed rock, deposited a stone marked with a cross (X) at base of post, and raise a mound of stone around post. for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$   
 S 5 | S 4  
 1923

51.85 No bearing trees available. Ascend 536 ft. over steep N. slope to Ridge, bears E. and W.  
 65.41 Descend 589 ft. over steep S. slope to sec. cor. Intersect N. side line (2-3) of the "Stonewall" patented lode mining claim, Mineral Survey No. 3212 at a point 5.52 chs. N.76°04'W. from Cor. No. 3 (NE.cor.) thereof.  
 71.84 Thence across said claim to sec. cor. The cor. of secs. 4, 5, 8 and 9.  
 Land; mountainous.  
 Soil; gravelly and rocky, 3rd. and 4th. rates.  
 Timber; oak and juniper.  
 Undergrowth; scrub oak.  
 Fair grass.

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From the reestablished standard cor. of secs. 31 and 32, on S. bdy. of Tp. (4th. Std. Par. S.) hereinbefore described,

## 74 Survey of Subdivision Lines of Township 20 South, Range 14 East.

Chains N.0°3'W., bet. secs. 31 and 32.  
Over mountainous land, through scattering undergrowth.  
Descend 12 ft. over NW. slope.  
1.70 Wash, 10 lks. wide, course NW.  
Ascend 70 ft. over SW. slope.  
9.30 Spur, slopes NW.  
Descend 51 ft. over N. slope.  
16.54 Wash, 50 lks. wide, course NW.  
Ascend 96 ft. over SW. slope.  
24.10 Point of spur, slopes NW.  
Descend 79 ft. over NW. slope.  
27.20 Wash, 15 lks. wide, course NW.  
Ascend 197 ft. over SW. slope.  
41.50 Spur, slopes SW. from E.  
Descend 147 ft. over NW. slope to  
51.06 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in  
the ground to bed rock, deposit a stone marked with  
a cross (X) at base of post, and raise a mound of stone  
around post, for  $\frac{1}{4}$  sec. cor. marked on brass cap

 $\frac{1}{4}$ 

S 31 | S 32

1923

No bearing trees available.  
Descend 35 ft. over NW. slope.  
53.36 Wash, 10 lks. wide, in gulch, course SW.  
Ascend 95 ft. over S. slope to  
59.26 N. rim of gulch, brs. E. and W. Leave mountainous and  
enter rolling land.  
Ascend 30 ft. over SW. slope.  
67.64 Descend 43 ft. over NW. slope.  
73.86 Cotton wood Wash, 60 lks. wide, course W.  
Ascend 56 ft. over SW. slope to sec. cor.  
78.26 Wire fence, brs. E. and W.  
79.06 Old road, brs. E. and W.  
89.41 Wash, 8 lks. wide, course W.  
91.06 Intersect Sectional Correction Line at a point 18 lks.  
W. from the temp. cor. of secs. 29, 30, 31 and 32.  
At point of intersection,  
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in  
the ground for cor. of secs. 29, 30, 31 and 32, marked  
on brass cap

T20S R14E  
S 30 | S 29  
S 31 | S 32  
1923

No bearing trees available.  
Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high W. of  
cor.  
From this cor. Edward T. Sheehy's house brs. N.35 $\frac{1}{4}$ °W.,  
about 18 chs. dist.  
Land; mountainous and rolling.  
Soil; gravelly, 3rd. rate.  
Timber; none.  
Undergrowth; ocotillo, greasewood and scrub mesquite.  
Good grass.

From cor. of secs. 28, 29, 32 and 33,  
West, on Sectional Correction Line, bet. secs. 29 and  
32.  
Over mountainous land, through dense undergrowth.  
Descend 5 ft. over NW. slope.  
.10 Wash, 6 lks. wide, course SW.  
Descend 48 ft. over SW. slope to  
7.00 Wash, 6 lks. wide, course S. near head.  
Ascend 10 ft. over E. slope.

## Survey of Subdivision lines of Township 20 South, Range 14 East. 75

Chains.	
9.40	Spur, slopes S. Old road, brs. N. and S. Descend 79 ft., over W. slope.
13.70	Wash, 6 lks. wide, course SW. Descend 18 ft., over S. slope, to
18.65	Spur, slopes SW. Descend 62 ft., over NW. slope, to
26.27	Wash, 10 lks. wide, course SW. Descend 28 ft., over SW. slope.
31.71	Wash, 15 lks. wide, in gulch, course S. Ascend 245 ft., over NE. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,  $\frac{1}{4}$ S 29 S 32 1923
	No bearing trees available. Ascend 37 ft., over NE. slope.
43.50	Spur, slopes NW. Sharp peak brs. SE. about 200 lks. dist.
53.83	Descend 277 ft., over W. slope, to Wash, 8 lks. wide, course SW.
62.28	Descend 53 ft., over SW. slope, to Wash, 5 lks. wide, course S.
70.44	Ascend 64 ft., over SE. slope. Point of spur, slopes S.
80.00	Descend 232 ft., over SW. slope, to The cor. of secs. 29, 30, 31 and 32. Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, none. Undergrowth, scrub mesquite, ocotillo and greasewood. Fair grass.
	-----
	From the cor. of secs. 29, 30, 31 and 32, West, on Sectional Correction Line, bet. secs. 30 and 31. Over rolling land, thru scattering undergrowth. Descend 28 ft., over SW. slope.
5.95	Wash, 20 lks. wide; course S. Ascend 56 ft., over E. slope.
13.30	Top of hill, brs. N. and S. Descend 92 ft., over W. slope.
33.84	Road, brs. N. and S.
35.48	Wash, 80 lks. wide, course SW. Ascend 38 ft., over E. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,  $\frac{1}{4}$ S 30 S 31 1923
	No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
44.40	NE. end of top of hill, brs. NE. and SW. Descend 95 ft., over NW. slope, to
51.77	Wash, 10 lks. wide, course NW. near head. Descend 52 ft., over NW. slope, to
66.49	Same wash, 50 lks. wide, course S. 70° W. Descend 47 ft., over S. slope, to
86.47	Same wash, 30 lks. wide, course W. from S. 80° E. Thence in wash. Descend slightly to
87.57	Leave wash, course S. 80° W. from E. Descend slightly over S. slope, to
88.63	Intersect W. bdy. of Tp. at a point 10.99 chs. N. 0° 9' W., from the cor. of secs. 25 and 36, T: 20 S., R: 13 E.,



# BOOK 3657

76 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

hereinbefore described. At point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground for closing cor. of secs. 30 and 31, marked on brass cap,

T20S	T20S
S25	S30 CC
	S31
R13E	R14E

1923

No bearing trees available. Raise a mound of stone, .2 ft. base, 1 1/2 ft. high, E. of cor.

Land, rolling. Soil, gravelly and rocky, 3rd and 4th rate. Timber, none.

Undergrowth, greasewood and ocotillo.

Good grass.

From cor. of secs. 29, 30, 31 and 32, N.0°3'W., bet. secs. 29 and 30.

Over mountainous land, thru. scattering undergrowth. Ascend 85 ft., over SW. slope.

5.90 Point of spur, slopes SW.

Descend 29 ft., over NW. slope.

10.57 Wash, 6 lks. wide, course SW.

Ascend 21 ft., over S. slope.

12.18 Triangulation point on end of spur, sloping W.

Descend 20 ft., over N. slope, to

13.58 Wash, 6 lks. wide, course W. Beyond this point, precipitous broken ascent prevents chaining. Therefore, triangulate as follows:

From 12.18 ch. station on sec. line, measure a Base, N.89°57'E., 5.00 chs.

Set flag ahead on sec. line.

From E. end of Base, the flag brs. N.15°15'W.

From W. end of Base, the vertical angle to flag is + 20°.

Dist. on sec. line = 12.18 chs. N.0°3'W.

Dist. triangulated = 18.40 chs. N.0°3'W.

Total dist., = 30.58 chs. N.0°3'W.

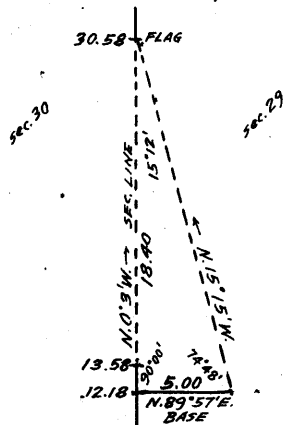
30.58 Triangulation point on spur, sloping SW.

Descend 25 ft., over NW. slope.

34.95 Head of gulch, course SW.

Ascend 125 ft., over SW. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for sec. cor., marked on brass cap,



S30	S29
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1923

No bearing trees available.

Ascend 50 ft., over SW. slope, to

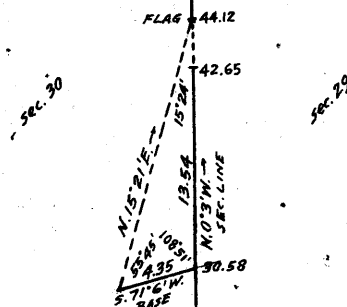
42.65 Foot of cliff, bearing NW. and SE. facing SW. Discontinue chaining and triangulate measurement of sec. line to top of cliffs as follows:

From 30.58 ch. station on sec. line, measure a Base S.71°6'W., 4.35 chs.

Set flag ahead on sec. line.

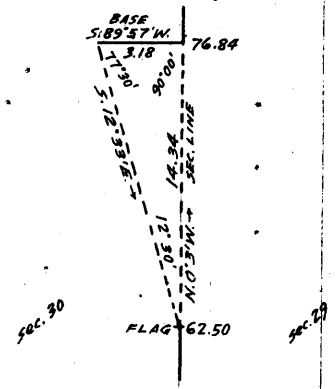
From SW. end of Base, the flag brs. N.15°21'E.

From NE. end of Base, the vertical angle to flag is + 28°.



Survey of Subdivision lines of Township 20 South, Range 14 East. 77

- chains.
- Dist. on sec. line = 30.58 chs. N. 0° 3' W.
  - Dist. triangulated = 13.54 chs. N. 0° 3' W.
  - Total distance, = 44.12 chs. N. 0° 3' W.
  - 44.12 Triangulation point at top of cliff, bearing NW. and SE. facing SW., 375 ft., above sec. cor.
  - Continue line and measurement by chaining.
  - Ascend 19 ft., over SW. slope.
  - 46.77 Spur, slopes NW.
  - Descend 57 ft., over NE. and E. slopes, to
  - 52.00 Point of short spur, slopes NE.
  - Descend 107 ft., over NE. slope.
  - 56.25 Wash, 8 lks. wide, in gulch, course NW.
  - Ascend 81 ft., over SW. slope.
  - 60.63 Spur, slopes NW.
  - Descend 32 ft., over NE. slope, to
  - 62.50 Top of cliffs, bearing E. and W., facing N. Beyond this point precipitous descent over cliffs renders chaining impracticable; therefore, triangulate as follows:
- Set flag on line at this point.
- From a point ahead on sec. line, measure a Base S. 89° 57' W., 3.18 chs.
- From W. end of Base, the flag brs. S. 12° 33' E.
- From E. end of Base, the vertical angle to flag is + 37°.
- Dist. on sec. line = 62.50 chs. N. 0° 3' W.
  - Dist. triangulated = 14.34 chs. N. 0° 3' W.
  - Total distance = 76.84 chs. N. 0° 3' W.
  - 76.84 Triangulation point, 710 ft. below 62.50 ch. station on sec. line.
  - Continue line and measurement by chaining.
  - Descend 82 ft., over NE. slope.
  - 79.65 Wash, 8 lks. wide, in gulch; course NW.
  - Ascend 6 ft., over SW. slope, to
  - 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

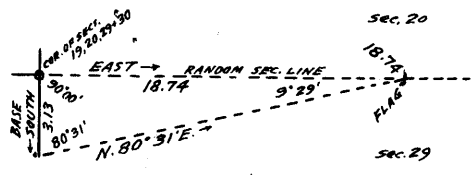


T20S	R14E
S19	S20
S30	S29
1923	

No bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, greasewood and ocotillo.  
 Fair grass.

East, on random line, bet. secs. 20 and 29.  
 Chaining is impracticable owing to precipitous broken ascent; therefore, triangulate as follows:

- From cor. of secs. 19, 20, 29 and 30, measure a Base, South 3.13 chs.
- Set flag ahead on random sec. line.
- From S. end of Base, the flag brs. N. 80° 31' E.
- From cor. of secs. 19, 20, 29 and 30, the vertical angle to flag is + 18½°.
- Distance triangulated = 18.74 chs. East.



## BOOK 3657

78 Survey of Subdivision lines of Township 20 South Range 14 East.

Chains.

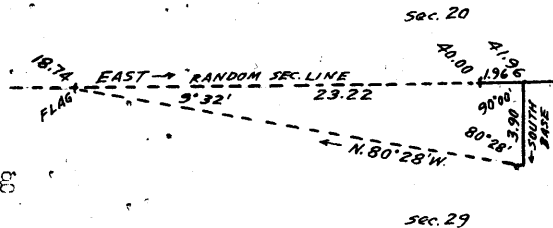
18.74 Triangulation point on spur, sloping NW., 415 ft. above sec. cor.  
Beyond this point, precipitous descent prevents chaining; therefore, triangulate as follows:

Leave flag at this point.

From a point ahead on random sec. line, measure a Base, South, 3.90 chs.

From S. end of Base, the flag brs. N. 80° 28' W.

From N. end of Base, the vertical angle to flag is + 14°.



Dist. on random sec. line = 18.74 chs. East.

Dist. triangulated = 23.22 chs. East.

Total distance = 41.96 chs. East.

Return measurement, = 1.96 chs. West.

To temp.  $\frac{1}{4}$  sec. cor. = 40.00 chs. East.

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

Continue line and measurement by chaining.

41.96 Triangulation point 380 ft. below 18.74 ch. station.

Continue chaining.

79.92 Fall 10 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence,

S. 89° 56' W., on true line, bet. secs. 20 and 29.

Over mountainous land, thru scattering timber and dense undergrowth.

Descend 168 ft., over SW. slope.

12.55 Wash, 20 lks. wide, in gulch, course NW.

Descend 74 ft., over NW. slope, to

21.53 Wash, 8 lks. wide, course N.

Ascend 18 ft., over NE. slope, to

23.50 Point of spur, slopes N.

Descend 61 ft., over NW. slope.

37.96 Triangulation point. Continue chaining.

39.50 Wash, 6 lks. wide, course N.

Ascend 6 ft., over NE. slope, to

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

$\frac{1}{4}$  S 20  
S 29  
1923

No bearing trees available.

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

Discontinue chaining. Measurement to 61.18 ch. station by triangulation, as hereinbefore described.

Ascend 400 ft., over precipitous NE. slope.

41.50 (Approx.) Road, brs. NW. and SE.

61.18 Triangulation point on spur sloping NW. Continue line and measurement by triangulation, as hereinbefore described.

Descend 415 ft., over precipitous SW. slope, to

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

Land, mountainous.

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

Timber, oak and juniper.

Undergrowth, scrub oak, and ocotillo.

Good grass.

West, on true line, bet. secs. 19 and 30.

Over mountainous land, thru. dense undergrowth.

Descend 12 ft., over SW. slope, to

.30 Wash, 8 lks. wide, course NW.

Descend 24 ft., over N. slope, to

8.90 Ascend 43 ft., over NE. slope.

## BOCK 3657

58. Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.	Measurement to $\frac{1}{4}$ sec.cor. by triangulation hereinbefore described.
11.50	Descend about 240 ft., over steep S.slope, to (Approx.) Spur, slopes SW.
23.00	Descend about 650 ft., over precipitous NW. slope. (Approx.) Wash, 15 lks.wide, course SW. in bottom of canyon.
39.93	Ascend about 670 ft., over precipitous broken SE.slope, to Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone, around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\frac{1}{4}$ S 15 S 22 1923
	No bearing trees available. Continue line and measurement by chaining.
47.54	Ascend 110 ft., over SE.slope. Triangulation point on spur, sloping SW. Discontinue chaining. Measurement to sec.cor. by triangulation, hereinbefore described.
66.00	Descend about 500 ft., over NW.slope. (Approx.) Wash, 12 lks.wide, in gulch, course SW.
79.86	Ascend about 200 ft., over SE.slope, to The cor.of secs.15,16,21 and 22.. Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, oak and juniper. Undergrowth, manzanita, mountain mahogany and scrub oak. Fair grass.
	-----
	N.0°2'W., bet. secs.15 and 16. Over mountainous land, thru. scattering timber and dense undergrowth.
10.85	Ascend 311 ft., over SE. slope. Spur. slopes SW.
18.10	Descend 123 ft., over NW.slope. Wash, 10 lks.wide, course W.
21.30	Ascend 77 ft., over SW.slope. Point of spur, slopes W.
22.40	Descend 20 ft., over N.slope. Wash, 10 lks.wide, course W.
24.31	Ascend 51 ft., over S.slope. Spur, slopes W.
40.00	Descend 607 ft., over N.slope, to Set an iron post, 3 ft.long, 1 in. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\frac{1}{4}$ S16   S15 1923
42.17	No bearing trees available. Descend 68 ft., over N.slope. Wash, 10 lks.wide, in gulch, course NW.
51.85	Descend 57 ft., over W.slope, to Point of spur, slopes NW.
60.75	Descend 152 ft., over NW.slope. Wash, 20 lks.wide; in gulch, course S.80°W.
74.50	Ascend 138 ft., over SW.slope, to Wash, 10 lks.wide, course S.30°W.
79.70	Ascend 271 ft., over steep broken SE. slope, to Foot of cliff, brs.NE. and SW., facing SE. Set an iron post, 3 ft.long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with

Survey of Subdivision lines of Township 20 South, Range 14 East, 79

Chains.

- 12.95 Point of spur, slopes NW.  
Descend 107 ft., over W. slope.
- 21.78 Wash, 10 lks. wide, in gulch, course N.  
Ascend 154 ft., over NE. slope.
- 33.50 Point of spur, slopes N.  
Descend 41 ft., over NW. slope.
- 37.00 Wash, 8 lks. wide in gulch, course N.  
Ascend 89 ft., over E. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the  
ground to bed rock, deposit a stone, marked with a  
cross (x) at base of post, and raise a mound of stone  
around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 19  
 S 30  
 1923

- No bearing trees available.  
Ascend slightly to
- 40.10 Spur, slopes N.  
Descend 190 ft., over steep W. slope.
- 45.37 Wash, 6 lks. wide, in gulch, course NW.  
Ascend 65 ft., over NE. slope.
- 55.32 Spur, slopes NW.  
Descend 345 ft., over SW. slope, to
- 75.20 Wash, 10 lks. wide, course SW.  
Ascend 23 ft., over SE. slope, to
- 80.52 Descend 41 ft., over S. slope, to
- 89.08 Intersect W. bdy. of Tp. at a point 11.00 chs. N. 0° 6' W.  
from the cor. of secs. 24 and 25, hereinbefore described.  
At point of intersection,  
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in  
the ground for closing cor. of secs. 19 and 30, marked  
on brass cap,

T20S T20S  
 S24 S19 CC  
 S30  
 R13E R14E  
 1923

No bearing trees available.  
 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor.  
 Land, mountainous.  
 Soil, gravelly, 3rd rate.  
 Timber, none.  
 Undergrowth, greasewood and ocotillo.  
 Good grass.

- 
- From cor. of secs. 19, 20, 29 and 30,  
N. 0° 3' W., bet. secs. 19 and 20.  
Over mountainous land, thru dense undergrowth.  
Ascend 119 ft., over SW. slope.
  - 4.93 Spur, slopes NW.  
Descend 239 ft., over steep N. slope, to
  - 10.18 Triangulation point at foot of steep descent, brs. E. and  
W. Enter rolling land in bottom of canyon. Continue  
chaining.  
Descend gradually over N. slope.
  - 12.00 Road, brs. N. 80° E. and S. 80° W.
  - 15.30 Montoza Wash, 40 lks. wide, course S. 80° W. in bottom of  
Montoza Canyon. Beyond this point, precipitous ascent  
over cliffs renders chaining impracticable. Triangulate  
as follows:

## 80 Survey of Subdivision lines of Township 20 South Range 14 East.

Chains.

From 10.18 ch. station on sec. line,  
measure a Base, N. 89° 57' E., 4.29  
chs.

Set flag ahead on sec. line at top  
of cliffs.

From E. end of Base, the flag brs.  
N. 15° 6' W.

From W. end of Base, the vertical  
angle to flag is + 31°.

Dist. on sec. line = 10.18 chs. N. 0° 3' W.

Dist. triangulated = 15.95 chs. N. 0° 3' W.

Total distance, = 26.13 chs. N. 0° 3' W.

26.13 Triangulation point at top of cliffs, bearing NW. and SE.  
facing SW., 640 ft. above 15.30 ch. station on sec. line.

Continue line and measurement by chaining.

Ascend gradually over steep E. slope of mountain, the top  
of which is about 5 chs. W. of line.

33.63 Top of ascent, brs. NE. and SW.

Descend 102 ft., over N. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in  
the ground to bed rock, deposit a stone marked with  
a cross (x) at base of post, and raise a mound of stone  
around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S19 | S20

1923

No bearing trees available.

Descend 114 ft. over N. slope.

47.80 Wash, 8 lks. wide, course W., near head.

Ascend 39 ft., over S. slope.

51.60 Dim road, brs. E. and W.

56.28 Spur, slopes W.

Descend 63 ft., over N. slope, to

59.70 Wash, 6 lks. wide, course NW. near head.

Descend 44 ft., over NW. slope, to

61.00 Wash, 5 lks. wide, course W.

Ascend 45 ft., over SW. slope, to

63.50 Wash, 8 lks. wide, course SW.

Ascend 51 ft., over SE. slope.

68.40 Spur, slopes SW.

Descend 147 ft., over NW. slope.

78.00 Wash, 10 lks. wide, course SW. from E.

Ascend 18 ft., over SW. slope, to

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

T20S | R14E

S18 | S17

S19 | S20

1923

No bearing trees available. Raise a mound of stone, 2  
ft. base,  $\frac{1}{2}$  ft. high, W. of cor.

Land, mountainous.

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

Timber, a fringe of mesquite along Montoza Wash, None  
elsewhere.

Undergrowth, greasewood, ocotillo and scrub mesquite.

Good grass.

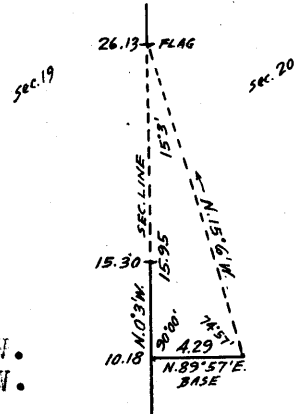
40.00 N. 89° 56' E., on a random line, bet. secs. 17 and 20.

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

Fall 28 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence,

N. 89° 52' W., on true line, bet. secs. 17 and 20.



Survey of Subdivision lines of Township 20 South Range 14 East. 81

Chains

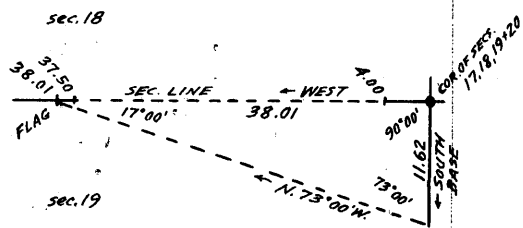
- Over mountainous land, thru. scattering timber and undergrowth.
- Ascend 12 ft., over SE. slope.
- 1.00 Spur, slopes SW.
- Descend 323 ft., over NW. slope.
- 15.29 Wash, 12 lks. wide, course SW.
- Ascend 25 ft., over SE. slope.
- 21.00 Point of spur, slopes S.
- Descend 79 ft., over SW. slope.
- 26.25 Wash, 10 lks. wide, in gulch, course S.
- Ascend 96 ft., over E. slope.
- 34.40 Spur, slopes S.
- Descend 100 ft., over W. slope, to
- 39.90 Set an iron post, 3 ft. long, 1 in. indiam., 20 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 17  
S 20  
1923

- No bearing trees available.
- Descend 30 ft., over W. slope.
- 41.80 Wash, 8 lks. wide, in gulch, course S.
- Ascend 109 ft., over E. slope.
- 54.64 Spur, slopes S.
- Descend 192 ft., over W. slope.
- 61.21 Head of gulch, course SW.
- Descend 55 ft., over S. slope.
- 61.53 From this point, cor. No. 1 (NW. cor.) of "Isabel" patented lode mining claim Mineral Survey No. 2967, brs. S. 8.03 chs. dist.
- 66.04 Spur, slopes SW.
- Descend 245 ft., over W. and SW. slopes, to
- 79.80 The cor. of secs. 17, 18, 19 and 20.
- Land, mountainous.
- Soil, gravelly and rocky, 3rd and 4th rate.
- Timber, oak.
- Undergrowth, greasewood and ocotillo.
- Fair grass.

-----  
West, on true line, bet. secs. 18 and 19.  
Over mountainous land, thru. dense undergrowth.

- Descend 6 ft., over SW. slope.
- .10 Wash, 10 lks. wide, course SW.
- Ascend 45 ft., over SE. slope.
- 4.00 Point of spur, slopes SW. Beyond this point, precipitous broken slopes prevent chaining. Triangulate as follows:
- From cor. of secs. 17, 18, 19 and 20, measure a Base South, 11.62 chs.
- Set flag ahead on sec. line.
- From S. end of Base, the flag brs. N. 73° W.
- From cor. of secs. 17, 18, 19 and 20, the vertical angle to flag is + 7°.
- Dist. triangulated = 38.01 chs. West.
- Return measurement = 0.51 chs. East.
- To top of cliffs, = 37.50 chs. West.
- 14.00 (Approx.) Wash, 15 lks. wide, course NW. in bottom of gulch, about 180 ft. below the sec. cor.
- Ascend about 450 ft., over NE. faces of cliffs, to
- 37.50 Top of cliffs, bearing NW. and SE.; facing NE.
- Continue line and measurement by chaining.
- Ascend gradually over NE. slope, to
- 38.01 Triangulation point on spur, sloping NW., about 310 ft. above cor. of secs. 17, 18, 19 and 20. Continue chaining.



# BOOK 3657

## 82. Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

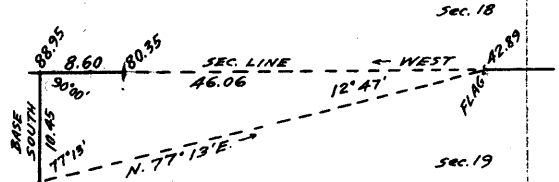
40.00 Descend 11 ft., over W. slope, to  
Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

S 18  
S 19  
1923

No bearing trees available.

42.89 Descend 17 ft., over N. slope, to  
Spur, slopes NW. Discontinue chaining. Beyond this point, the sec. line crosses precipitous broken SW. slope.  
Triangulate as follows:

Set flag on sec. line at 42.89 ch. station.  
From a point ahead on sec. line, measure a Base, South, 10.45 chs.



From S. end of Base, the flag brs. N. 77° 13' E.  
From N. end of Base, the vertical angle to flag is  $+9\frac{1}{2}^\circ$ .  
Dist. on sec. line = 42.89 chs. West.  
Dist. triangulated = 46.06 chs. West.  
Total dist. = 88.95 chs. West.  
Return measurement, 8.60 chs. East.  
80.35 chs. West.

80.35 Foot of precipitous descent brs. NW. and SE., about 500 ft. below 42.89 ch. station on sec. line.  
Continue line and measurement by chaining.

88.95 Descend 16 ft., over SW. and S. slopes, to closing cor.  
Triangulation point. Continue chaining.

89.00 Intersect W. bdy. of Tp., at a point 10.32 chs. N. 0° 37' W. from the cor. of secs. 13 and 24, T. 20 S., R. 13 E., hereinbefore described.

At point of intersection,  
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for closing cor. of secs. 18 and 19, marked on brass cap,

T20S | T20S  
S13 | S18 CC  
R13E | R14E  
1923

No bearing trees available.  
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, E. of cor.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, none.  
Undergrowth, greasewood and scrub mesquite.  
Good grass.

-----  
From cor. of secs. 17, 18, 19 & 20

N. 0° 3' W., bet. secs. 17 and 18.  
Over mountainous land, thru. dense undergrowth.  
.50 Ascend 8 ft., over SW. slope, to  
Wash, 6 lks. wide, course SW.  
3.00 Ascend 34 ft., over SE. slope, to  
Wash, 5 lks. wide, course SE., near head.  
7.41 Ascend 102 ft., over S. slope.  
Spur, slopes SW.  
Descend 22 ft., over NW. slope, to  
9.50 Wash, 5 lks. wide, course W. near head.  
Descend 110 ft., over W. slope, to



Survey of Subdivision lines of Township 20 South, Range 14 East. 83

Chains.

- 16.25 Spur, slopes NW.
- Descend 15 ft., over NE. slope, to
- 21.30 Wash, course NW.
- Descend 20 ft., over NW. slope, to
- 26.50 Wash, 6 lks. wide, course NW.
- Ascend 130 ft., over SW. slope.
- 34.00 Spur, slopes NW.
- Descend 100 ft., over N. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$   
 S18 | S17  
 1923

- No bearing trees available.
- Descend 76 ft., over N. slope.
- 49.80 Agua Caliente Wash, 20 lks. wide, course W. in bottom of Agua Caliente Canyon.
- Ascend 406 ft. over SE. and E. slopes, to
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,

T20S | R14E  
 S 7 | S 8  
 S18 | S17  
 1923

No bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, greasewood and ocotillo.  
 Good grass.

- S. 89° 52' E., on a random line, bet. secs. 8 and 17.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.04 Fall 14 lks. N. of the cor. of secs. 8, 9, 16 and 17. Thence
- N. 89° 46' W., on a true line, bet. secs. 8 and 17.
- Over mountainous land, thru. dense undergrowth.
- Ascend 46 ft., over SE. slope.
- 4.20 Point of spur, slopes S.
- Descend 63 ft., over SW. slope.
- 11.00 Wash, 8 lks. wide, in gulch, course S.
- Ascend 261 ft., over steep E. slope.
- 23.00 Spur, slopes S.
- Descend 80 ft., over W. slope.
- 29.50 Wash, 6 lks. wide, course S.
- Ascend 20 ft., over E. slope.
- 33.00 Spur, slopes S.
- Descend 151 ft., over W. slope, to
- 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 8  
 S 17  
 1923

No bearing trees available.

# BOOK 3657

84 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

- 50.32 Descend 183 ft., over W. slope.
- Wash, 10 lks. wide, course S.
- Ascend 44 ft., over E. slope.
- 59.66 Spur, slopes S.
- Descend 152 ft., over W. slope.
- 62.70 Wash, 5 lks. wide, in gulch, course S.
- Ascend 94 ft., over SE. slope.
- 67.00 Point of spur, slopes S.
- Descend 66 ft., over SW. slope.
- 70.00 Wash, 6 lks. wide, in gulch, course S. 20° E.
- Ascend 168 ft., over E. slope, to
- 80.04 The cor. of secs. 7, 8, 17 and 18.
- Land, mountainous.
- Soil, gravelly and rocky, 3rd and 4th rate.
- Timber, none.
- Undergrowth, greasewood and ocotillo.
- Good grass.

-----

West, on true line, bet. secs. 7 and 18.  
 Over mountainous land, thru. dense undergrowth.  
 Ascend 98 ft., over E. slope.

- 6.88 Spur, slopes S.
- Descend 159 ft., over SW. slope.
- 14.08 Wash, 6 lks. wide, in gulch, course S., near head.
- Ascend 145 ft., over SE. slope.
- 18.37 Spur, slopes S.
- Descend 394 ft., over steep W. slope, to
- 30.23 Wash, 6 lks. wide, course SW.
- Descend 257 ft., over steep SW. slope, to
- 39.50 Same wash, 8 lks. wide, course NW.
- Ascend slightly over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 7  
 S 18  
 1923

No bearing trees available.  
 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.  
 Descend 91 ft., over NW. slope.

- 52.00 Wash, 6 lks. wide, course N.
- Ascend 29 ft., over E. slope.
- 57.80 Spur, slopes N.
- Descend 178 ft., over W. slope, to
- 86.50 Wash, 8 lks. wide, course NW.
- Descend gradually over NW. slope, to
- 89.03 Intersect W. bdy. of Tp., at a point, 10.55 chs. N. 0° 26'  
 W. from the cor. of secs. 12 and 13, T. 20. S., R. 13 E.,  
 hereinbefore described. At point of intersection,  
 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in  
 the ground to bed rock, deposit a stone, marked with  
 a cross (x) at base of post, and raise a mound of  
 stone around post for closing cor. of secs. 7 and 18,  
 marked on brass cap,

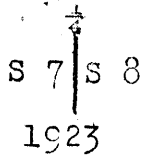
T20S | T20S  
 S12 | S 7 CC  
 S18  
 R13E | R14E  
 1923

-----

No bearing trees available.  
 Land, mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, greasewood, ocotillo and cactus.  
 Good grass.

Chains.

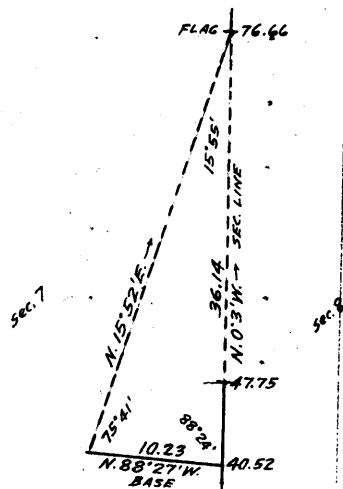
- From cor. of secs. 7, 8, 17 and 18,  
N.0°3'W., bet. secs. 7 and 8,  
Over mountainous land, thru. dense undergrowth.  
Ascend 35 ft., over steep E. slope, to  
3.50 Head of gulch, course SE.  
Ascend 107 ft., over steep S. slope.  
7.00 Ridge, brs. E. and W.  
Descend 195 ft., over steep N. slope, to  
14.95 Wash, 8 lks. wide, in gulch, course NE. near head.  
Descend 502 ft., over NE. slope, to  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in  
the ground to bedrock, deposit a stone, marked with a  
cross (x) at base of post, and raise a mound of stone  
around post, for sec. cor., marked on brass cap,



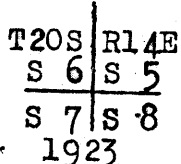
No bearing trees available.  
From this sec. cor., Cor. No. 1 of the "Elephant Head"  
patented millsite, Mineral Survey No. 3212B, brs. N. 47° 01'  
E., 4.88 chs. dist.

- 40.52 Descend 72 ft., over NE. slope.  
43.80 Triangulation point. Continue chaining.  
47.75 Road brs. E. and NW.  
Wash, 30 lks. wide, in bottom of canyon, course N. 80° W.  
Beyond this point, precipitous ascent over a series of  
cliffs prevents chaining; therefore, triangulate as  
follows:

From 40.52 ch. station on sec. line  
measure a Base, N. 88° 27' W.,  
10.23 chs.  
Set flag ahead on sec. line at top  
of cliffs.  
From W. end of Base, the flag brs.  
N. 15° 52' E.  
From E. end of Base, the vertical  
angle to flag is + 15 3/4°.



- Dist. on sec. line = 40.52 chs. N. 0° 3' W.  
Dist. triangulated = 36.14 chs. N. 0° 3' W.  
Total dist. = 76.66 chs. N. 0° 3' W.  
76.66 Triangulation point at top of cliffs, bearing E. and W.,  
facing S., about 670 ft., above 1/4 sec. cor.  
Continue line and measurement by chaining.  
Ascend 8 ft., over S. slope.  
77.00 Point of spur, slopes W.  
Descend 41 ft., over N. slope, to  
80.00 Top of cliffs, bearing E. and W., facing N.  
Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in the  
ground to bed rock, deposit a stone, marked with a  
cross (x) at base of post, and raise a mound of stone  
around post, for cor. of secs. 5, 6, 7 and 8, marked on  
brass cap,



No bearing trees available.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, none.  
Undergrowth, greasewood and ocotillo.  
Fair grass.

## 86 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

S.89°46'E., on random line, bet. secs.5 and 8.  
The western part of this line falls on N. face of cliffs,  
and is impassable; therefore, obtain measurement to  
point on random line by means of offset as follows:

From cor. of secs.

5, 6, 7 and 8.

S.0°3'E., 2.33 chs. along  
sec. line, bet,  
secs. 7 and 8  
to offset point.

Thence,

S.89°46'E., 10.75 chs. to offset  
point in sec. 8.

Thence,

N.0°3'W., 2.33 chs. on offset  
line to point on random sec. line at

10.75 Thence S.89°46'E., on random line, bet. secs. 5 and 8, contin-  
uing measurement from sec. cor.

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

80.26 Fall 12 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence,

N.89°51'W., on true line, bet. secs. 5 and 8.  
Over mountainous land, thru. dense undergrowth. Across  
patented mining claims.

Descend 134 ft., over steep SW. slope.

4.57 Wash, 6 lks. wide, course SW.

Ascend 14 ft., over SE. slope.

9.50 Spur, slopes SW.

Descend 17 ft., over NW. slope.

12.00 Wash, 5 lks. wide, course SW.

Ascend 65 ft., over SE. slope.

16.00 Point of spur, slopes SW.

Descend 356 ft., over W. slope.

17.69 Intersect W. end line (1-2) of the "Homestake" patented  
lode mining claim, Mineral Survey No. 3212A at a point  
1.44 chs. S.8°27'W. from cor. No. 2 (NW. cor.) thereof. Leave  
patented mining claims.

34.00 Wash, 20 lks. wide, course N.50°W. in bottom of canyon.

Ascend 35 ft., over NE. slope, to

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

$\frac{1}{4}$ S 5  
S 8  
1923

No bearing trees available.

Descend 290 ft., over steep N. slope, to

54.68 Point of spur, slopes NW.

Descend 222 ft., over W. slope, to

65.44 Ascend 33 ft., over NE. slope, to

69.51 Offset point. To avoid cliffs beyond this point, measure  
by offset as follows:

S.0°3'E., 2.33 chs. to offset  
point in sec.  
8.

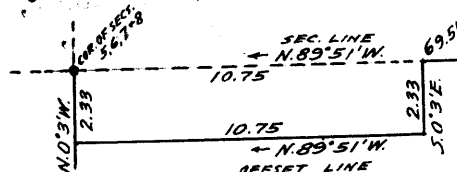
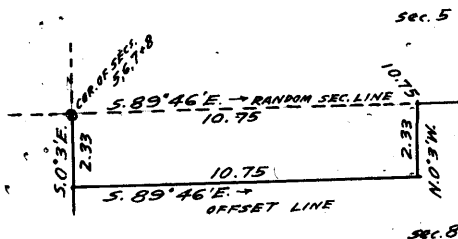
Thence,

N.89°51'W., 10.75 chs. to offset point.

Thence,

N.0°3'W., 2.33 chs. on sec. line, bet.  
secs. 7 and 8, returning  
to the sec. line bet.  
secs. 5 and 8, at

80.26 The cor. of secs. 5, 6, 7 and 8.  
Land, mountainous.

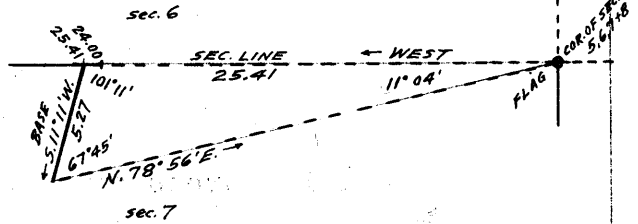


Chains.

Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, none.  
 Undergrowth, greasewood and ocotillo.  
 Fair grass.

West, on true line, bet. secs. 6 and 7.  
 Over mountainous land, thru. scattering undergrowth.  
 Precipitous descent over cliffs prevents chaining.  
 Triangulate as follows:

Set flag on the cor.  
 of secs. 5, 6, 7 and 8.  
 From a point ahead on  
 sec. line, measure a  
 Base S. 11° 11' W., 5.27  
 chs.



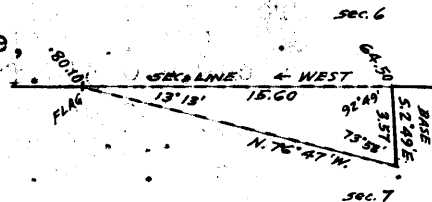
From SW. end of Base, the  
 flag brs, N. 78° 56' E.  
 From NE end of Base, the  
 vertical angle to flag is + 21 3/4°.  
 Distance triangulated = 25.41 chs. West.  
 Return measurement = 1.41 chs. East.

- 24.00 Sec. cor. to bottom of canyon, = 24.00 chs. West.
- 24.00 Wash, 30 lks. wide, in bottom of canyon 670 ft. below cor. of secs. 5, 6, 7 and 8, course N. 10° W. Continue line and measurement by chaining.
- 25.41 Ascend 212 ft., over steep E. slope.
- 25.41 Triangulation point in road, bearing N. and S. Continue chaining.
- 37.80 Spur, slopes N.
- 40.00 Descend 42 ft., over W. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

S 6  
 S 7  
 1923

- 48.40 No bearing trees available.
- 48.40 Descend 54 ft., over NW. slope.
- 48.40 Wash, 6 lks. wide, course NE.
- 63.60 Ascend 221 ft., over E. slope.
- 63.60 Spur, slopes N.
- 64.50 Descend 15 ft., over W. slope, to
- 64.50 Top of cliffs, bearing N. and S., facing W. Discontinue chaining, and triangulate measurement across gulch, as follows:

From 64.50 ch. station on sec. line,  
 measure a Base S. 2° 49' E. 3.57 chs.

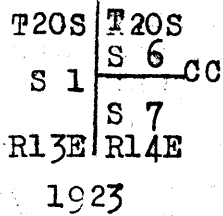


- Set flag ahead on sec. line.
- From SE end of Base, the flag  
 brs. N. 76° 47' W.
- From NW. end of Base, the vertical angle to flag is + 10°,  
 and to point ahead on sec. line in bottom of gulch is  
 - 24°.
- Dist. on sec. line = 64.50 chs. West.
- Dist. triangulated = 15.60 chs. West.
- Total distance, = 80.10 chs. west.
- 68.00 (Approx.) Wash, 8 lks. wide, in gulch, course N., 103 ft. below 64.50 ch. station.
- 80.10 Ascend 285 ft., over precipitous NE. slope, to
- 80.10 Triangulation point on ridge, bearing NW and SE.
- Descend 275 ft., over SW. and S. slopes, to

## 88 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

89.35 Intersect W. bdy. of Tp., at a point 8.52 chs. N.0°59'E., from the cor. of secs. 1 and 12, T.20 S., R.13 E., hereinbefore described. At point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone, around post, for closing cor. of secs. 6 and 7, marked on brass cap,



No bearing trees available.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, none.  
Undergrowth, greasewood and ocotillo.  
Fair grass.

From cor. of secs. 5, 6, 7 and 8, N.0°3'W., on random line, bet. secs. 5 and 6. Cliffs and precipitous slopes prevent chaining. Offset as follows:

From cor. of secs. 5, 6, 7 and 8, S.0°3'E., 2.33 chs. to offset point.

Thence, N.89°57'E., 10.75 chs. to offset point.

Thence, N.0°3'W., 46.87 chs., chaining measurement for 2.33 chs., thence by triangulated measurement as follows:

From 2.33 ch. point on offset line, which is 10.75 chs. N.89°57'E. from cor. of secs. 5, 6, 7 and 8, measure a Base, N.89°57'E., 14.63 chs.

Set flag ahead on offset line, From E. end of Base, the flag brs. N.18°14'W.

From W. end of Base, the vertical angle to flag is +7°.

Dist. on offset line = 2.33 chs. N.0°3'W.

Dist. triangulated; = 44.54 chs. N.0°3'W.

Total distance = 46.87 chs. N.0°3'W.

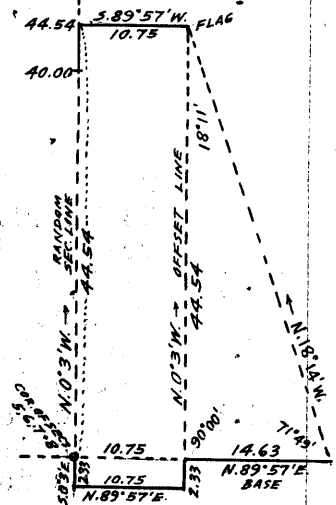
From offset point, chain measurement, S.89°57'W., 10.75 chs. to point on random sec. line at 44.54 chs. N.0°3'W. from cor. of secs. 5, 6, 7 and 8.

Thence chain measurement, S.0°3'E., 4.54 chs. on random sec. line, to

40.00 Set temp. 1/4 sec. cor.

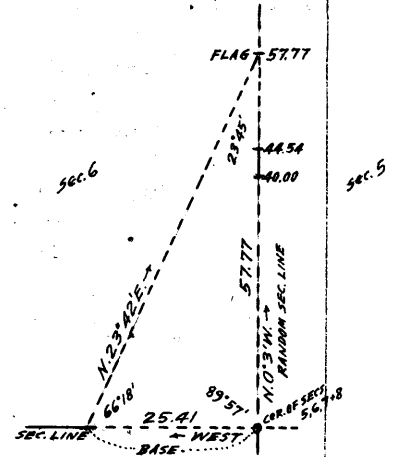
44.54 Continue line and measurement by chaining.

Offset point. Beyond this point, the random sec. line passes over cliffs, and chaining is impracticable; therefore, triangulate as follows:



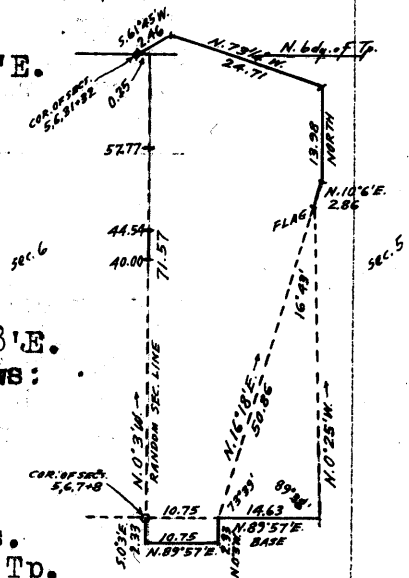
Survey of Subdivision lines of Township 20 South Range 14 East. 89 Chains.

Set flag ahead on random sec. line.  
 Use as a Base the East 25.41 chs. of line bet. secs. 6 and 7, triangulated as hereinbefore described.  
 From W. end of Base, the flag brs. N. 23° 42' E.  
 Dist. triangulated = 57.77 chs. N. 0° 3' W.  
 Triangulation point. Beyond this point, cliffs prevent chaining, and the objective sec. cor. is in such position that measurement thereto by triangulation is impracticable; therefore, obtain the measurement of the entire sec. line, bet. secs. 5 and 6 by a traverse as described as follows:



From cor. of secs. 5, 6, 7 and 8,  
 S. 0° 3' E., 2.33 chs.  
 N. 89° 57' E., 10.75 chs.  
 N. 0° 2' W., 2.33 chs.  
 N. 16° 18' E., 50.86 chs. by triangulation, as described as follows:

From traverse point, 10.75 chs. N. 89° 57' E. from cor. of secs. 5, 6, 7 and 8, measure a Base, N. 89° 57' E., 14.63 chs.  
 Set flag in NW 1/4 of sec. 5  
 From E. end of Base, the flag brs. N. 0° 25' W., and N. 16° 18' E., from W. end of Base.



Dist. triangulated = 50.86 chs. N. 16° 18' E.  
 Complete traverse by chaining as follows:  
 N. 10° 6' E., 2.86 chs.  
 North, 13.98 chs.  
 N. 73 1/2° W., 24.71 chs.  
 S. 61° 45' W., 2.46 chs. to the cor. of secs. 5, 6, 31 and 32 on the N. bdy. of the Tp.  
 The latitude of the above described traverse is 71.57 chs. N., and the departure is 0.31 chs. W.; therefore, the random line bet. secs. 5 and 6 extended N. 0° 3' W., would at

71.57 Fall 25 lks. E. of the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of the Tp., hereinbefore described.  
 Thence, S. 0° 15' E., on true line, bet. secs. 5 and 6.  
 Over mountainous land, thru. scattering undergrowth.  
 Ascend about 400 ft., over cliffs, bearing E. and W., facing N.  
 Measurement by traverse and triangulation, as hereinbefore described.

13.80 Triangulation point on top of mountain, known as Elephant Head, bearing E. about 20 chs. and W. about 20 chs.  
 Descend over cliffs.

27.03 Measurement by triangulation, as hereinbefore described.  
 Offset point at foot of cliffs.  
 Continue line and measurement by chaining.

31.57 Descend 145 ft., over steep SW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

No bearing trees available.

## 90 Survey of Subdivision lines of Township 20 South, Range 14 East.

Chains.

Beyond this point, the sec. line crosses precipitous slopes in a canyon, and chaining is impracticable. Measurement to sec. cor. by offset as follows:

From 27.03 ch. station on sec. line,  
N. 89° 57' E., 10.90 chs. to offset point

in sec. 5.  
Thence,

S. 0° 3' E., 46.87 chs. to offset point  
in sec. 8.

Thence,

S. 89° 57' W., 10.75 chs. to point on sec.  
line, bet. secs.  
7 and 8.

Thence,

N. 0° 3' W., 2.33 chs. to cor. of secs. 5, 6,  
7 and 8.

46.57 (Approx.) Wash, 18 lks. wide in bottom  
of canyon, course NW.

Ascend about 500 ft., over granite cliffs, to

71.57 The cor. of secs. 5, 6, 7 and 8.

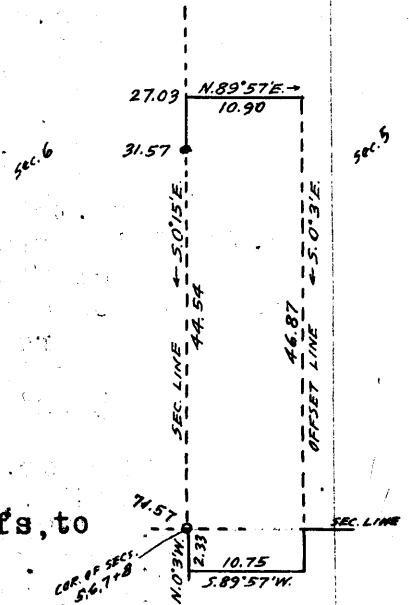
Land, mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, ocotilla and greasewood.

Sparse grass.



### FINAL TEST OF INSTRUMENTS.

Having completed the surveys under Group No. 119 in the field, make final solar test of Buff solar transit No. 9984 and A Lietz solar transit No. 6166, which were used by me on this group, by comparing their indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris as follows:

#### Buff Solar Transit No. 9984.

October 11, 1923: Examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris, proceed as follows:

Set up instrument over stake at S. end of meridian established in camp near the Bird Yoas ranch, June 5, 1923, and set off 31° 40' N. on the lat. arc; 6° 45' S. on the decl. arc, and at 8 a.m. app. time, Oct. 11, determine a meridian with the solar, and mark a point thereof on the stake previously set about 10.00 chs. N.; this point falls 01' E. of the meridian as established by the Polaris observation.

At 3h. 30m. p.m. Oct. 11, set off 31° 40' N. on the lat. arc; 6° 53' S. on the decl. arc, and determine a meridian with the solar, and mark a point thereof by a tack driven in the stake previously set about 10 chs. N. on which the solar meridian falls 01' W. of the meridian previously established by the Polaris observations.

#### A Lietz Transit No. 6166.

Examine the adjustments of this transit, and correct the level and collimation errors; then, to test the solar apparatus, proceed as follows:

Set up instrument over stake at S. end of meridian which I established in camp, near the Bird Yoas ranch, June 5, 1923, by observations on Polaris, and at 8h. 30m. a.m. app. time, Oct. 11, 1923, set off 31° 40' N. on the lat.



arc;  $6^{\circ}46'S.$  on the decl. arc, and determine a meridian with the solar, and mark a point thereof by a tack driven in the stake previously set about 10.00 chs. N. on which the meridian determined by the solar falls  $00\frac{1}{2}'W.$  of the meridian established by the Polaris observations.

At the same station at 4h.00m. p.m., app. time, Oct. 11, set off  $31^{\circ}40'N.$  on the lat. arc;  $6^{\circ}53'S.$ , on the decl. arc, and determine a meridian with the solar, and mark a point thereof by a tack driven in the stake previously set about 10.00 chs. N. This mark falls  $1\frac{1}{2}'E.$  of the meridian previously established by the Polaris observations.

The solar apparatus of each instrument defines positions for meridians which agree within  $01\frac{1}{2}'$  with the meridian established by the Polaris observations.

#### GENERAL DESCRIPTION.

This township embraces about one fourth of the Santa Rita mountain range, the land with the exception of about three sections in the extreme southwestern part, being of a very rough, mountainous character.

The elevation of the land along the west boundary is approximately 4000 ft., and increases in an easterly and northeasterly direction until the summit of the Santa Rita Range is reached, where a comparatively uniform elevation of 7000 ft. is attained, the maximum elevation being attained on the summit of Mt. Hopkins in sec. 14, which rises to an elevation of 8000 ft., and is the second highest peak in the range, Mt. Baldy being the highest. The main ridge of this mountain range extends in a northerly direction thru. the 2nd range of sections from the east boundary, and long spurs, with deep canyons between leading down from this ridge traverse the township in a southwesterly direction, and gradually widening out into broad mesas in the township to the west.

The soil, with the exception of sec. 31, where there is a small amount of sandy loam can be classed as 3rd and 4th rate, and is unsuitable for agricultural purposes.

The township is drained by the Josephine, Cottonwood, Montoza, Agua Caliente, and Madera Canyons, and the numerous tributary side canyons. All five of these large canyons head around the base of Mt. Hopkins, the Josephine, Cottonwood, Montoza and Agua Caliente traversing the township in a southwesterly direction, and drain all that portion of the township to the south and west of the peak. The Madera canyon heads on the N. side of Mt. Hopkins and traverses the township in a northerly direction, draining the north and northeastern parts.

The township is well timbered with oak, juniper and pine timber on the higher levels, while along the bottoms of the canyons are found small groves of sycamore, and scattering walnut and wild cherry, many of the trees, particularly the pine which is the only kind suitable for lumber, being quite large.

The township is watered by streams in the Josephine, Cottonwood, Montoza, Agua Caliente, and Madera canyons which flow for a considerable portion of each year, and by small springs which flow for short periods during the spring and fall months following the melting of the winter snows and the summer rains.

The township is highly mineralized, and from the number of old workings discovered during the progress of the survey much prospecting has been done in the township in past years; however, it appears that no ore bodies in paying quantity have so far, been discovered. Copper and silver, which are the principal ores discovered, were found in secs. 1,4,2,11, 23,25,28,29,32 and 35. Gold has been found in a canyon in sec.6. Placer mining operations were being carried on by one prospector in this section with fair returns.

There are two settlers in sec.25, and one each in secs.1, 11, and 31.

The Forest Service Recreation Park comprising about 20 summer cottages, owned and occupied at intervals during the hot summer months by residents of the near-by cities and towns is located in the Madera Canyon, in secs.2 and 11.

The entire township is covered with a good growth of nutritious grasses, which affords excellent feed for a large number of horses and cattle.

Stock raising and mining are the principal occupation of the settlers in the township at the present time.

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4-680

**FIELD ASSISTANTS. to**  
*Sidney E. Blout, U.S. Cadastral Engineer*

NAMES.	CAPACITY.
B.G. Towler	1st. Chainman
Jouis J Spear	1st. Chainman
L.R. Hanson	1st. Chainman
George Sharp	2nd. Chainman
Kelvin Koon	2nd. Chainman
W. B. Sherman	2nd. Chainman
J. C. Muir	2nd. Chainman
R. B. Whitney	2nd. Chainman
C. J. Mc. Kee	2nd. Chainman
Ben Mollet	2nd. Chainman
E. A. Blout	2nd. Chainman
E. A. Blout	Flagman
Garrett Simmons	Flagman
Forest Sauder	Cornerman
George Martienez	Cornerman
Arthur P Waddington	Cornerman
G. S. Coverdale	Cornerman
Garrett Simmons	Cornerman
C. J. Mc. Kee	Cornerman
W. B. Sherman	Axman
F. W. Coverdale	Axman
B. R. Whitney	Axman
W. M. Martin	Axman
Sam Dean	Axman

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER

I, Sidney E. Blout, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 119, Arizona, bearing date of the 16th day of December, 1921, 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, <sup>re</sup> surveyed all those parts or portions of the 4th Standard Parallel South, in Range 14 East, and East bdy. of Township 20 South, Range 13 East, and surveyed all those parts or portions of the East bdy, North bdy. and Subdivision lines of TOWNSHIP 20 SOUTH, RANGE 14 EAST, of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said 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 119, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey and survey.

Place: Phoenix, Arizona  
 Date: May 14, 1925

Sidney E. Blout  
 U. S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 14, 1925.

The foregoing field notes of the resurvey of the 4th Standard Parallel South, thru Range 14 East, and East boundary of Township 20 South, Range 13 East; and of the Survey of the East boundary, North boundary, and Subdivision lines of TOWNSHIP 20 SOUTH, RANGE 14 EAST.

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Sidney E. Blout, U.S. Cadastral Engineer, under his special instructions dated December 16, 1921, for Group 119, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys and surveys they describe, are hereby approved.

Charles M. Douglas  
 U. S. Surveyor General.

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