

3438

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Book "L"

4-679

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BOOK 3438

FIELD NOTES

OF THE ~~RESURVEY~~ OF THE

First Standard Parallel South, through Range 11 East

End of the West boundary (2nd Guide Mer. E.) of T. 6 S. R. 11 E.

Survey of the subdivision lines in T. 6 S. R. 11 E.

AND OF THE SURVEY OF THE

Subdivision lines of

Township 6 South - Range 11 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William H. Thorn, U.S. Cadastral Engineer
and

William D. Wilson, U.S. Transitman

In the capacity of U. S. Surveyors ~~and~~
~~U.S. Transmitters, respectively,~~ under Special Instructions dated Feb. 6, 1918,

issued by the United States Surveyor General to govern surveys included in Group

No. 81, which were approved by the Commissioner of the General Land

Office, February 27, 1918, and Assignment Instructions dated May 24, 1919
and Oct. 1, 1919.

Resurvey and Survey commenced June 7, 1919

Resurvey and Survey completed December 23, 1919

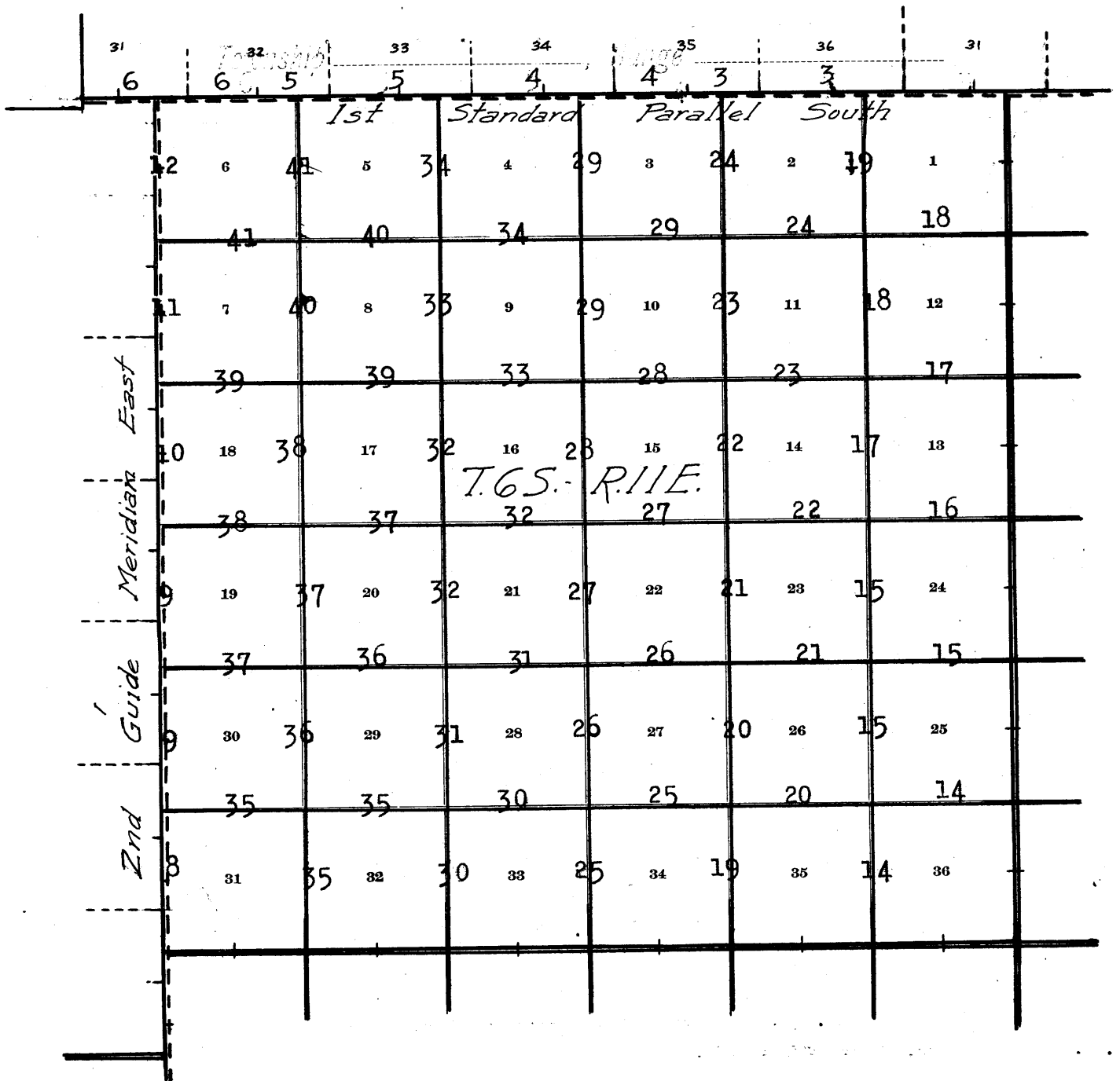
3438

1A
142

Book "L"
Group 81 - - - Arizona.

BOOK 3438

INDEX DIAGRAM.



— Lines surveyed under this group.

- - - Line resurveyed under this group.

— Accepted surveys.

- - - Unsurreyed.

Areas surveyed as per accepted plots on File.

Book "L"

BOOK 2438

4-679 b

DATE DIAGRAM.

		Township 6 South, Range 11 East					
		12-9-19	12-9-19	12-8-19	12-8-19	12-6-19	12-6-19
2nd Guide Meridian East		12-22-19 6	12-22-19 5	12-22-19 4	12-22-19 3	12-23-19 2	12-11-19 1
		12-22-19	12-22-19	12-22-19	12-23-19	12-18-19	12-11-19
		12-9-19 7	12-22-19 8	12-20-19 9	12-22-19 10	12-20-19 11	12-18-19 12
		12-19-19	12-19-19	12-20-19	12-23-19	12-23-19	12-18-19
		12-9-19 13	12-19-19 14	12-19-19 15	12-20-19 16	12-20-19 17	12-18-19 18
		12-17-19	12-18-19	12-19-19	12-20-19	12-20-19	12-18-19
	6-11-19 19	12-17-19 20	12-18-19 21	12-19-19 22	12-20-19 23	12-18-19 24	
	6-13-19	12-17-19	12-18-19	12-20-19	12-20-19	12-17-19	
	6-11-19 29	6-13-19 28	12-17-19 27	12-18-19 26	12-19-19 25	12-17-19 24	
	6-13-19	6-12-19	12-16-19	12-19-19	12-19-19	12-17-19	
	6-7-19 31	6-13-19 32	6-12-19 33	12-16-19 34	12-19-19 35	12-17-19 36	
	6-7-19	6-13-19	6-12-19	12-16-19	12-19-19	12-17-19	

For dates of execution of survey of this line see book "K"

For dates of execution of survey of this line see book "I"

Black lines on above diagram indicate surveys executed by William H. Thorn, U. S. Cadastral Engineer, on dates shown thereon.

Green lines on above diagram indicate surveys executed by William D. Wilson, U. S. Transitman, on dates shown thereon.

Resurvey and survey hereinafter described executed by William H. Thorn, U. S. Cadastral Engineer and William D. Wilson, Temporary U. S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Young and Sons' light mountain transits Nos. 8592 and 8248, described, with certificate of approval by the Assistant Supervisor of Surveys, in Book "A". Mr. Wilson also used Young and Sons' light mountain transit No. 8148, described, with certificate of approval by the Assistant Supervisor of Surveys, in Book "P".

Tests of Instruments 8592 and 8248.

We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

May 30, 1919. At our camp in sec. 15, T. 7 S., R. 10 E., G. and S. R. B. & M., in lat. $32^{\circ}48\frac{1}{2}'N.$, long. $111^{\circ}18'W.$, using the meridian determined as described in Book "H", we set off $21^{\circ}41'N.$ on the decl. arcs; $32^{\circ}48\frac{1}{2}'N.$ on the lat. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs; unchanged, we observe the sun on the meridian; the resulting readings of each decl. arc is $21^{\circ}42'N.$, which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs unchanged, we set off $21^{\circ}43\frac{1}{2}'N.$ on the decl. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.

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

Tests of Instruments 8592 and 8148.

We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

Dec. 7, 1919: At our camp in sec. 2, T. 6 S., R. 11 E., G. and S. R. B. and M., in lat. $32^{\circ}56'N.$, long. $111^{\circ}10\frac{1}{2}'W.$, at 2 hrs. 29.5m. a.m., l.m.t.; we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack driven in a stake, 5 chs. N. of our station. We lay off the azimuth of Polaris, $1^{\circ}19'$ to the east, and mark the meridian thus determined by a tack driven in a stake, 5 chs. N. of our station.

At 9 hrs. 0 m., a.m., l.m.t., placing each transit on the meridian, we set off $32^{\circ}56'N.$ on the lat. arcs; $22^{\circ}31'S.$ on the decl. arcs; and determine a meridian with each solar, which we find to agree in each case with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian; the resulting reading of the decl. arc of each transit is $22^{\circ}32\frac{1}{2}'S.$, which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs; unchanged, we set off $22^{\circ}33'S.$ on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

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

Independent Resurvey of 1st Std. Parallel S., thru. Range 11 East. 3

Chains.

The Parallel thru. Range 11 East was originally surveyed in 1884 by J.B. McLaughlin, U.S.D.S., and no subsequent retracement or resurvey of such portion of the Parallel is of record. There being no accepted surveyed areas tied to the line in Range 11 East, said portion of the line is subject to rectification by an independent resurvey, which is executed as described in the following notes:

From the reestablished std. cor. of Ts. 5 S., Rs. 11 and 12 E., described in Book "K,"

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

Over slightly rolling land, thru. dense undergrowth.

19.32 (40.00 chs. westing from original std. cor. of Ts. 5 S., Rs. 11 and 12 E.) No trace of original standard 1/4 sec. cor. of sec. 36 can be found after diligent search in this vicinity.

19.40 Wash, 20 lks. wide, course NW.

21.30 Same wash, 20 lks. wide, course W. from NE.; thence in wash.

22.60 Leave same wash, 20 lks. wide turns to NW.

35.20 Wash, 10 lks. wide, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished std. 1/4 sec. cor. of sec. 36, with brass cap, marked

S C
S 36
1/4
1919

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

44.70 Wash, 10 lks. wide, course W.; thence in wash.

46.90 Leave same wash, 10 lks. wide, turns to NW.

48.30 Fence, brs. NE. and SW.

58.63 Fence brs. NE. and SW.

59.00 Shed and shaft of "Del Rio Mine," bear S., 2.00 chs. dist.

60.00 Quartz ledge, brs. S., about 1 ch. dist.

59.32 (80.00 chs. westing from original std. cor. of Ts. 5 S., Rs. 11 and 12 E.) No trace of original standard cor. of secs. 35 and 36 can be found after diligent search in this vicinity.

62.85 Dim road, brs. N. and S.

68.00 Road brs. NW. and SE.

78.15 Wash, 10 lks. wide, course N. 40° W.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished standard cor. of secs. 35 and 36, with brass cap, marked

S C
T5S R11E
S35 S36

1919

dig pits, 24x18x12 ins. crosswise on each line, E. and W. 3 ft. dist., and N. of post 7 ft. dist.

Land, gently rolling.

Soil, mixture of decomposed granite and limestone, 2nd. rate.

Undergrowth, dense greasewood, scrub palo verde, catclaw, broom weed, ocotilla and cholla, and sahuara cactus.

No timber.

West, on true line, on S. bdy. of sec. 35.

Over slightly rolling desert land, thru. dense undergrowth.

. 8.03 Quartz boulder, 5x4x3 ft., brs. N. 98 lks. dist.

14.30 Wash, 20 lks. wide, course NW.

19.32 (120.00 chs. westing from original std. cor. of Ts. 5 S., Rs. 11 and 12 E.), search for original std. 1/4 sec. cor. of sec. 35, but can find no trace of same in this vicinity.

4 Independent Resurvey of 1st Std. Parallel S., thru. Range 11 East.

Chains.											
20.00	Wash, 10 lks. wide, course NW.										
27.00	Same wash, course W. from NE. Thence in wash.										
30.00	Leave same wash, course NW. from E.										
35.40	Dim wagon road, brs. NE. and SW.										
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished standard $\frac{1}{4}$ sec. cor. of sec. 35, with brass cap, marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>C</td></tr> <tr><td>S</td><td>35</td></tr> <tr><td>$\frac{1}{4}$</td><td>—</td></tr> <tr><td></td><td>1919</td></tr> </table>	S	C	S	35	$\frac{1}{4}$	—		1919		
S	C										
S	35										
$\frac{1}{4}$	—										
	1919										
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.										
56.40	Wash, 10 lks. wide, course S. 60° W.										
59.72	Original standard cor. of secs. 34 and 35, which is a mesquite stake and witnessed by pits, brs. N. 75 lks. dist. Destroy all trace of this old cor.										
67.80	Wash, 20 lks. wide, 1 ft. deep, course NW.										
80.00	Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished standard cor. of secs. 34 and 35, with brass cap, marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>C</td></tr> <tr><td>T5 S</td><td>R11E</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td></td><td>—</td></tr> <tr><td></td><td>1919</td></tr> </table>	S	C	T5 S	R11E	S34	S35		—		1919
S	C										
T5 S	R11E										
S34	S35										
	—										
	1919										
	Dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. dist., and N. of post 7 ft. dist. Land, slightly rolling desert. Soil, sandy loam, 1st and 2nd rate. Undergrowth, dense greasewood, scrub palo verde, buck thorn, and cholla and sahuaro cactus. No timber. Thinly scattered native grass.										

	West, on true line, on S. bdy. of sec. 34. Over nearly level land, thru. dense undergrowth.										
20.00	Find traces of pits, probably remains of original standard $\frac{1}{4}$ sec. cor. of sec. 34. Obliterate all trace of same.										
28.70	Wash, 15 lks. wide, course NW.										
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished std. $\frac{1}{4}$ sec. cor. of sec. 34, with brass cap, marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>C</td></tr> <tr><td>S</td><td>34</td></tr> <tr><td>$\frac{1}{4}$</td><td>—</td></tr> <tr><td></td><td>1919</td></tr> </table>	S	C	S	34	$\frac{1}{4}$	—		1919		
S	C										
S	34										
$\frac{1}{4}$	—										
	1919										
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.										
45.50	Wash, 10 lks. wide, course SW, and follow along same.										
55.00	Same wash, 10 lks. wide, course W. and follow along same.										
56.00	Same wash, 10 lks. wide, turns to NW.										
58.50	Bend in same wash, 10 lks. wide, from NE., course NW.										
60.00	Remains of original standard cor. of secs. 33 and 34, consisting of pits and mound of earth. Destroy all trace of this old cor.										
61.80	Same wash, 10 lks. wide, course S. 70° W.										
74.85	Wash, 10 lks. wide, course S. 70° W.										
80.00	Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished standard cor. of secs. 33 and 34, with brass cap, marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>S</td><td>C</td></tr> <tr><td>T5 S</td><td>R11E</td></tr> <tr><td>S33</td><td>S34</td></tr> <tr><td></td><td>—</td></tr> <tr><td></td><td>1919</td></tr> </table>	S	C	T5 S	R11E	S33	S34		—		1919
S	C										
T5 S	R11E										
S33	S34										
	—										
	1919										

Independent Resurvey of 1st Std.Par. South, thru. Range 11 East. 5

Chains.

Dig pits, 24x18x12 ins. crosswise on each line, E. and W. 3 ft. dist., and N. of post 7 ft. dist.
Land, slightly rolling.
Soil, sandy loam, 1st and 2nd rate.
Undergrowth, dense greasewood, scrub palo verde, catclaw, broom weed and cholla, and sahuaro cactus.
Timber, none.

20.00 West, on true line, on south bdy. of sec. 33.
Over nearly level land, thru. dense undergrowth.
(40.00 chs. west from original std. cor. of secs. 33 and 34)
No trace of orig. std. $\frac{1}{4}$ sec. cor. of sec. 33 can be found in this vicinity.
29.50 Wash, 70 lks. wide, course NW.
32.10 Wash, 15 lks. wide, 2 ft. deep, course N.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished standard $\frac{1}{4}$ sec. cor. of sec. 33, with brass cap, marked.

S C
 $\frac{1}{4}$ S 33
1919

59.50 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
At a point 60 lks. S. find remains of original standard cor. of secs. 32 and 33, consisting of the pits. Obliterate same.
80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished standard cor. of secs. 32 and 33, with brass cap, marked

S C
T5 S R11E
S32 S33
1919

Dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. dist., and N. of post 7 ft. dist.
Land, slightly rolling desert land.
Soil, sandy loam, 1st and 2nd rate.
Undergrowth, dense greasewood, catclaw, scrub palo verde, and mesquite, buck thorn, and dense cholla cactus.
Timber, none.
Grass thinly scattering.

20:00 West, on true line, on S. bdy. of sec. 32.
Over slightly rolling land, thru. dense undergrowth.
At a point 67 lks. S.; find remains of original std. $\frac{1}{4}$ sec. cor. of sec. 32, consisting of the pits. Obliterate same.
24.10 Enter wash, 20 lks. wide, course W. from NE. Thence in wash.
26.00 Leave wash, course NW. from E.
30.50 Same wash, course S. 80° W.
32.40 Same wash, 40 lks. wide, course N. 70° W.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished std. $\frac{1}{4}$ sec. cor. of sec. 32, with brass cap, marked

S C
 $\frac{1}{4}$ S 32
1919

Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.

6. Independent Resurvey of 1st Std. Par. South, thru. Range 11 East.

Chains.

- 49.80 Same wash, 20 lks. wide, 2 ft. deep, course S. 70° W.
 57.10 Same wash, 40 lks. wide, course N. 80° W.
 59.70 At a point 253 lks. S., find the original standard cor. of secs. 31 and 32, which is a palo verde post, marked and notched, and witnessed by pits. Destroy all trace of this cor.
 69.70 Same wash, 10 lks. wide, course S. 70° W.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished standard cor. of secs. 31 and 32, with brass cap, marked

S C
 T5 S | R11 E
 S31 | S32

1919

Dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. dist., and N. of post 7 ft. dist.
 Land, gently rolling.
 Soil, sandy loam, 1st and 2nd rate.
 Undergrowth, dense cholla, scrub palo verde, catclaw, scrub mesquite, buck thorn and broom weed.
 Timber, none.
 Scattering native grass.

- West, on true line, on S. bdy. of sec. 31.
 Over rolling land, thru. dense undergrowth.
 38.30 Enter wash bottom, with channel 10 lks. wide, course N. 89° W., and follow along same (from SE.)
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished standard $\frac{1}{4}$ sec. cor. of sec. 31, with brass cap, marked

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

1919

from which,

A palo verde, 14 ins. in diam., brs. N. 89° W., 74 lks. dist., marked "SC $\frac{1}{4}$ S31 BT."

No other tree available; dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.

- 48.40 Leave wash, which turns to NW.
 59.54 Intersect the E. bdy. of T. 5 S., R. 10 E., at a point 6.14 chs. N. from the true point for standard cor. of T. 5 S., R. 10 E. only (SE. cor.), reestablished by W. H. Elliott, U. S. S. in 1911, and witnessed 150 lks. W. as hereinafter described.

At point of intersection,
 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished standard closing corner of Ts. 5 and 6 S., R. 11 E., with brass cap, marked.

S C
 T5 S
 R11 E
 S31 CC
 T6 S

1919

Dig pits, 30x24x12 ins. on each line, N. and S., 4 ft. dist., and E. of post; 8 ft. dist.
 At a point 2.74 chs. S. from this closing Tp. cor., find the

Independent Resurvey of 1st Std. Parallel S., thru. Range 11 East, . 7

Chains.

old standard closing cor. of Ts.5 and 6 S., R.11 E., which was originally std. cor. of Ts.5 S., Rs.10 and 11 E., until changed to closing cor. by W.H.Elliott, U.S. S. in 1911. This cor. is marked by two mesquite posts marked and witnessed as described in record. Destroy all trace of this closing cor., resetting the old posts alongside; the reestablished std. closing cor. described above.

The witness cor. to reestablished std. cor. of T.5 S., R.10 E. at 150 lks. W. from cor. point is a charred ironwood post, 4 ins. square, 12 ins. above ^{ground}, firmly set, marked "S1" on NE. face, "T6SR10ES1" in SE. face, "S1" on SW. face, and "WCST5S R10ES36" on NW. face, and 6 notches on each of N. and W. edges, and witnessed by 2 pits 36x36x12 ins. one each N. and W. of post, 8 ft. dist.; a mound of earth NW. of cor., and a palo verde tree 9 ins. in diam., N. 39 1/4° W., 164 lks. dist., marked "WCST5S R10ES36BT."

Reestablish this cor. as follows: Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, alongside of old post, for reestablished witness cor. to std. cor. of T.5 S., R.10 E. only (SE. cor.) with brass cap, marked

SC
T5S
R10E
S36 WC

1919

In addition to the record bearing tree, On a palo verde, 14 ins. in diam., N. 50° E., 29 lks. dist., mark "SC T5S R10E S36 BTWC."

Land, gently rolling.
Soil, sandy loam, 1st rate.
Undergrowth, dense scrub palo verde and mesquite, catclaw and cholla cactus.
Timber, scattering palo verde and ironwood.



8. Independent Resurvey of the West bdy. of Township 6 South, Range 11 East (2nd Guide Mer. East).

Chains.

The 2nd Guide Meridian East, thru T.6 S., was originally surveyed by S.W. Foreman, U.S.D.S. in 1871, and no retracement or resurvey of said portion of the line is of record. As there are no accepted surveyed lines tied to the line in T.6 S., the same is subject to rectification by an independent resurvey, which is executed as described in the following notes:

From the reestablished cor. of Ts. 6 and 7 S., R. 11 E., described in Book "I,"

North, on true line, on W. bdy. of sec. 31.

Over nearly level land, thru dense undergrowth.

20.90 Wash, 15 lks. wide, course N. 80° W.

24.74 (80.00 chs. N. from cor. of Ts. 6 and 7 S., R. 10 E.), Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 25 and 36 only, with brass cap, marked

T6S
S25

S36
R10E
1919

Dig pits, 24x24x12 ins., NW. and SW. of post, 4 ft. dist. No trace of original cor. of secs. 25, 30, 31 and 36 can be found, after diligent search in this vicinity.

25.84 Wash, 20 lks. wide, course W.

29.74 Wash, 100 lks. wide, course S. 80° W.

39.04 Wash, 10 lks. wide, course W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 31 only, with brass cap, marked

$\frac{1}{4}$
S31
1919

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

49.74 Wash, 30 lks. wide, 2 ft. deep, course S. 80° W.

61.54 Wash, 10 lks. wide, course S. 70° W.

64.74 (40.00 chs. N. from cor. of secs. 25 and 36), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 25 only, with brass cap, marked

$\frac{1}{4}$
S25
1919

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No trace of original $\frac{1}{4}$ sec. cor. of secs. 25 and 30 can be found after diligent search in this vicinity.

72.94 Wash, 20 lks. wide, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 30 and 31 only, with brass cap, marked

T6S
S30

S31
R11E
1919

Dig pits, 24x24x12 ins., NE. and SE. of post, 4 ft. dist. Land, level.

Soil, sandy, 2nd and 3rd rate.

Undergrowth, dense greasewood, scrub palo verde and cacti. Timber, none.

Independent Resurvey of the W.bdy.of
Township 6 South Range 11 East (2nd Guide Mer. E.) 9

Chains.

North, on true line, on W.bdy. of sec. 30.
Over nearly level land, thru dense undergrowth.
Wash, 150 lks. wide, course W.
13.40 Wash, 50 lks. wide, course N. 70° W.
23.70 (80.00 chs. N. from cor. of secs. 25 and 36), Set an iron
24.74 post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground,
for reestablished cor. of secs. 24 and 25 only, with
brass cap, marked

T6S
S24
S25
R10E
1919

38.04 Dig pits, 24x24x12 ins., NW. and SW. of post, 4 ft. dist.
40.00 No trace of original cor. of secs. 19, 24, 25 and 30, can be
found after diligent search in this vicinity.
Phoenix-Tucson highway, brs. NW. and SE.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for reestablished 1/4 sec. cor. of sec. 30 only,
with brass cap, marked

1/4
S30
1919

47.04 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
47.54 Wash, 100 lks. wide, course S. 70° W.
64.74 Dim road, brs. E. and W.
(40.00 chs. N. from cor. of secs. 24 and 25), Set an iron
post, 3 ft. long, 1 in. in diam., 26 ins. in the ground
for reestablished 1/4 sec. cor. of sec. 24 only, with brass
cap, marked

1/4
S24
1919

66.74 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No
76.54 trace of original 1/4 sec. cor. of secs. 19 and 24 can be
80.00 found after diligent search in this vicinity.
Wash, 10 lks. wide, course W.
Dim road, brs. E. and W.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
in the ground, for reestablished cor. of secs. 19 and 30
only, with brass cap, marked

T6S
S19
S30
R11E
1919

Dig pits, 24x24x12 ins., NE. and SE. of post, 4 ft. dist.
Land, level.
Soil, sandy loam, 2nd and 3rd rate.
Undergrowth, dense greasewood, scrub palo verde and mes-
quite, and cacti.
Timber, none.

North, on true line, on W.bdy. of sec. 19.
Over level land, thru, dense undergrowth.
9.70 Wash, 100 lks. wide, course W.
18.70 Wash, 50 lks. wide, course S. 70° W.
24.74 (80.00 chs. N. from cor. of secs. 24 and 25), Set an iron
post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground
for reestablished cor. of secs. 13 and 24 only, with
brass cap, marked

10 Independent Resurvey of the W. bdy. of Township 6 South, Range 11 E. (2nd Guide Mer. East).

Chains.

T6S
S13
S24
R10E
1919

Dig pits, 24x24x12 ins. NW. and SW of post, 4 ft. dist. No trace of original cor. of secs. 13, 18, 19 and 24 can be found after diligent search in this vicinity.

- 27.14 Wash, 10 lks. wide, course W.
- 36.24 Wash, 50 lks. wide, course W.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 19 only, with brass cap, marked

$\frac{1}{4}$
S19

1919

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

- 43.14 Wash, 50 lks. wide, course S. 70° W.
- 63.64 Wash, 10 lks. wide, course W.
- 64.74 (40.00 chs. N. from cor. of secs. 13 and 24), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor. of sec. 13 only, with brass cap, marked, (no trace of old cor.)

$\frac{1}{4}$
S13
1919

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No trace of original $\frac{1}{4}$ sec. cor. of secs. 13 and 18 can be found after diligent search in this vicinity.

- 67.74 Wash, 30 lks. wide, course W.
- 76.54 Wash, 20 lks. wide, course W.
- 79.74 Road brs. NW. and SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 18 and 19, only, with brass cap, marked

T6S
S18
S19
R11E

1919

Dig pits, 24x24x12 ins., NE. and SE. of post, 4 ft. dist. Land, level.

Soil, sandy loam, 2nd and 3rd rate.
Undergrowth, dense greasewood, scrub palo verde and cacti.
Timber, none.

North, on true line, on W. bdy. of sec. 18.
Over nearly level land, thru. dense undergrowth.

- 6.80 Dim road, brs. E. and W.
- 11.70 Wash, 50 lks. wide, course S. 70° W.
- 17.50 Wash, 20 lks. wide, course W.
- 24.74 (80.00 chs. N. from cor. of secs. 13 and 24), Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 12 and 13 only, with brass cap, marked

T6S
S12
S13
R10E
1919

Independent Resurvey of the W.bdy. of Township 6 South Range 11 East (2nd Guide Mer. E.) 11.

Chains.

26.64 Dig pits, 24x24x12 ins. NW. and SW. of post, 4 ft. dist. No trace of original cor. of secs. 7, 12, 13 and 18 can be found after diligent search in this vicinity.

38.74 Small drain, 5 lks. wide, course S. 70° W.

40.00 Wash, 100 lks. wide, course N. 70° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 18 only, with brass cap, marked



1919

46.34 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.

55.14 Wash, 40 lks. wide, course N. 80° W.

56.14 Road brs. N. 70° W. and S. 70° E.

64.74 Giant cactus, 15 ft. high, on line.

(40.00 chs. N. from cor. of secs. 12 and 13), Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 12 only, with brass cap, marked



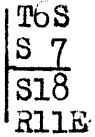
1919

70.74 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No trace of original $\frac{1}{4}$ sec. cor. of secs. 7 and 12 can be found after diligent search in this vicinity.

74.74 Wash, 10 lks. wide, 3 ft. deep, course W.

80.00 Wash, 30 lks. wide, course N. 80° W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 7 and 18 only, with brass cap, marked



1919

Land Dig pits, 24x24x12 ins., NE. and SE. of post, 4 ft. dist. gently rolling.

Soil, sandy loam, 1st rate.

Undergrowth, dense greasewood, scrub palo verde, catclaw, scrub mesquite and cholla and sahuaro cactus.

Timber, none.

Grass scattering.

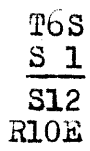
5.50 North, on true line, on W. bdy. of sec. 7.

16.60 Over nearly level land, thru. dense undergrowth.

24.74 Wash, 10 lks. wide, course N. 80° W.

24.74 Wash, 10 lks. wide, course W.

(80.00 chs. N. from cor. of secs. 12 and 13), Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 1 and 12 only, with brass cap, marked



1919

27.34 Dig pits, 24x24x12 ins., NW. and SW. of post, 4 ft. dist. No trace of original cor. of secs. 1, 6, 7 and 12 can be found after diligent search in this vicinity.

40.00 Wash, 30 lks. wide, 4 ft. deep, course W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the

12 Independent Resurvey of the W. bdy. of Township 6 South, Range 11 E. (2nd Guide Mer. E.)

Chains.

ground, for reestablished 1/4 sec. cor. of sec. 7 only, with brass cap, marked



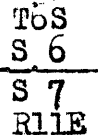
1919

- 43.34 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
- 49.74 Wash, 20 lks. wide, 3 ft. deep, course S. 70° W.
- 61.44 Wash, 20 lks. wide, 2 ft. deep, course W.
- 64.74 Wash, 10 lks. wide, course S. 70° W.
- (40.00 chs. N. from cor. of secs. 1 and 12), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished 1/4 sec. cor. of sec. 1 only, with brass cap, marked



1919

- 69.74 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No trace of original 1/4 sec. cor. of secs. 1 and 6 can be found after diligent search in this vicinity.
- 77.24 Small wash, 5 lks. wide, course N. 80° W.
- 80.00 Old road brs. NW and SE.
- Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 6 and 7 only, with brass cap, marked



1919

from which,
 A mesquite, 8 ins. in diam., brs. N. 5 3/4° E., 185 lks. dist., marked "T6S R11E S6BT."
 No other tree available. Dig pits, 24x24x12 ins., NE. and SE. of post, 4 ft. dist.
 Land, gently rolling.
 Soil, mixture of sandy loam and granite, 2nd rate.
 Undergrowth, dense scrub palo verde, buck thorn, tumble weed, broom weed and cholla, and sahuaro cactus.
 Timber, very scattering small mesquite.
 Grass, poor.

- 2.70 North, on true line, on W. bdy. of sec. 6.
- 15.80 Over gently rolling land, thru. dense undergrowth.
- 38.70 Wash, 15 lks. wide, course N. 70° W.
- 40.00 Wash, 30 lks. wide, 3 ft. deep, course NW.
- Wash, 20 lks. wide, course W.
- Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor., of sec. 6 only, with brass cap, marked,



1919

- 48.50 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
- 60.00 Shallow wash, 30 lks. wide, course W.
- 70.08 Wash, 50 lks. wide, 2 ft. deep, course W.
- (125.34 chs. N. from cor. of secs. 1 and 12, T. 6 S., R. 10 E.), Intersect the 1st Standard Parallel South at a point 20.17 chs. W. from the reestablished standard cor. of secs. 31 and 32, T. 5 S., R. 11 E., hereinbefore described. At point of intersection, set an iron post, 3 ft. long,

Independent resurvey of the Wabdy. of
Township 6 South, Range 11 East (2nd Guide Meridian East) 13

Chains,

3 ins. in diam., 24 ins. in the ground, for reestablished closing cor. of Ts. 6 S., Rs. 10 and 11 E., with brass cap, marked

T5SR11E
S31
S 1 | S 6
R10E R11E
T6S
C C
1919

Dig pits, 30x24x12 ins., crosswise on each line, E., W. and S. of post, 5 ft. dist. No trace of original closing cor. of Ts. 6 S., Rs. 10 and 11 E. can be found after diligent search in this vicinity.

Land, gently rolling desert.

Soil, mixture of sand and granite, 2nd rate.

Undergrowth, dense scrub palo verde, greasewood, scrub mesquite, buck thorn, tumble weed, broom weed, and cholla and sahuaro cactus.

No timber.

Poor grass.

Boundaries of Township 6 South, Range 11 East.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	476.03				476.03
West boundary, (2nd Guide Mer. E.)	North,	470.08	470.08			
North boundary, (1st Std. Par. S.)	East,	475.63			475.63	
East boundary,	South,	469.16		469.16		
Convergency,					.47	
<u>Totals,</u>			470.08	469.16	476.10	476.03
			469.16		476.03	
<u>Error in latitude,</u>			.92			
<u>Error in departure,</u>					.07	

14 Survey of Subdivision lines of Township 6 South, Range 11 East.

Chains.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in Book "I,"
 N.0°1'W., bet. secs. 35 and 36.
 Over rolling land, thru. dense undergrowth.
 7.40 Main wash, 130 lks. wide, 2 ft. deep, course S.70°W.
 8.90 Trail, brs. N.80°E. and S.80°W.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S35 | S36
 1919

45.20 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Wash, 10 lks. wide, course W.
 53.30 Wash, 30 lks. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked

T6S | R11E
 S26 | S25
 S35 | S36
 1919

Raise mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, rolling desert with drainage to W.
 Soil, rocky and disintegrated granite on slopes and sandy in bottom, 2nd rate.
 Subsoil, mixture of sandy loam and disintegrated granite, about 3 ft. to bed rock.
 Undergrowth, dense greasewood, palo verde, catclaw, dwarf oak, mesquite and cholla, and sahuaro cactus.
 No timber.
 Grass, poor.

40.00 East, on random line, bet. secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect the E. bdy. of the Tp., 9 lks. S. of the cor. of secs. of secs. 25, 30, 31 and 36, described in Book "K."
 Thence,
 S.89°56'W., on true line, bet. secs. 25 and 36.
 Over rolling land, thru. dense undergrowth.
 10.70 Bend in wash, 20 lks. wide, 2 ft. deep, course N.50°W. from N.70°E.
 28.60 Old trail, brs. NW. and SE.
 34.25 Wash, 30 lks. wide, course N.60°W.
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 25
 $\frac{1}{4}$ ———
 S 36
 1919

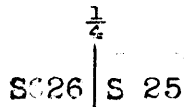
from which,
 A mesquite, 10 ins. in diam., brs. S.46 $\frac{1}{2}$ °E., 153 lks. dist., marked " $\frac{1}{4}$ S36 BT."
 A mesquite, 10 ins. in diam., brs. N.49 $\frac{1}{2}$ °E., 188 lks. dist., marked " $\frac{1}{4}$ S 25 BT."

66.30 Giant cactus, 36 ft. high, on line.
 79.90 The cor. of secs. 25, 26, 35 and 36.
 Land, gently rolling desert.
 Soil, rocky, disintegrated granite on slopes and sandy in bottom, 2nd rate.
 Subsoil, sandy loam, 2 ft. to bed rock.
 Undergrowth, dense catclaw, greasewood, mesquite, and cholla, and sahuaro cactus.
 Timber, scattering mesquite.

Subdivision of T. 6 S. R. 11 E.

Chains.

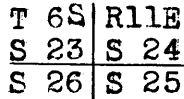
- N. 0° 1' W., bet. secs. 25 and 26.
- Over rolling land; thru heavy undergrowth.
- 13.00 Enter bottom land; bears E. and W.
- 14.80 Main wash, 50 lks. wide, 2 ft. deep, course W.
- 18.50 Trail, bears N. 60° W. and S. 60° E.
- 20.00 Leave bottom land, bears E. and W.
- 35.20 Wash, 10 lks. wide, course W.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1919

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

- 55.85 Road, bears N. 70° W. and S. 70° E.
- 56.10 Wash, 30 lks. wide, course W.
- 72.40 Wash, 20 lks. wide, 2 ft. deep, course W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap marked.

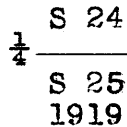


1919

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling desert, with drainage to W.
 Soil, rocky disintegrated granite and sandy loam, medium texture.
 Subsoil, stony sandy loam.
 Undergrowth, palo verde, greasewood, cat claw, mesquite, dwarf oak and cholla and sahuaro cactus.
 Timber, none.
 Grass, poor.

- N. 89° 56' E., on random line bet. secs. 24 and 25.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.97 Intersect the E. bdy. of the Tp., 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, described in book "K".
- Thence
- S. 89° 57' W., on true line bet. secs. 24 and 25.
- Over rolling land; thru dense undergrowth.
- 22.90 Wash, 25 lks. wide, course N.
- 39.98 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked.



raise a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

- 43.40 Wash, 10 lks. wide, 3 ft. deep, course S. 80° W.
- 79.97 The cor. of secs. 23, 24, 25 and 26.
- Land, rolling desert.
- Soil, rocky disintegrated granite on slopes and sandy loam in bottom lands, 1st and 2nd rate.
- Undergrowth, cat claw, palo verde, and cholla and sahuaro cactus.
- Timber, none.
- Grass, poor.

N. 0° 1' W., bet. secs. 23 and 24.
 Over slightly rolling land; thru dense undergrowth.

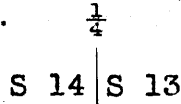
Chains.	
11.00	Wash, 10 lks. wide, course W.
17.00	Low spur, slopes W.
18.95	Wash, 30 lks. wide, 3 ft. deep, course W., asc. 99 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{c} \frac{1}{4} \\ \text{S } 23 \mid \text{S } 24 \end{array}$
	1919
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
46.00	Spur, slopes SW., desc. 125 ft. over N. slope.
53.40	Small ravine, 20 lks. wide, course S. 80° W.
60.70	Rocky wash, 5 lks. wide, course S. 65° W., asc. 65 ft. over S. slope.
67.00	Main ridge, bears E. and S. 80° W., desc. 91 ft. over N. slope.
70.00	Strike bottom land, bears E. and W.
76.00	Main wash, 30 lks. wide, 2 ft. deep, course S. 80° W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap marked.
	$\begin{array}{c} \text{T } 6\text{S} \mid \text{R } 11\text{E} \\ \text{S } 14 \mid \text{S } 13 \\ \text{S } 23 \mid \text{S } 24 \end{array}$
	1919
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling and hilly.
	Soil, rocky disintegrated granite, 4th rate on surface.
	Subsoil, same, 3 ft. to hard pan. Sandy loam, 1st and 2nd rate in valleys.
	Undergrowth, greasewood, palo verde, cat claw, mesquite, ocotilla and cholla cactus.
	Timber, none.
	Grass, poor.

	N. 89° 57' E., on random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect the E. bdy. of the Tp., at the cor. of secs. 13, 18, 19 and 24, described in book "K".
	Thence
	S. 89° 57' W., on true line bet. secs. 13 and 24.
	Over slightly rolling land; thru dense undergrowth.
36.70	Enter wash, 20 lks. wide, 2 ft. deep, from NE., course W.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{c} \text{S } 13 \\ \frac{1}{4} \\ \text{S } 24 \end{array}$
	1919
	raise a mound of stone, 3½ ft. base, 2 ft. high, N. of cor.
42.30	Leave same wash, 20 lks. wide, 2 ft. deep, which turns to SW.
79.98	The cor. of secs. 13, 14, 23 and 24.
	Land, rolling desert.
	Soil, disintegrated granite formation in hills and sandy in valleys. 1st and 4th rate.
	Subsoil, loam and granite, 4 ft. deep.
	Timber, none.
	Grass, poor.

.Subdivision of T. 6 S. R. 11 E.

Chains.

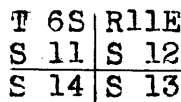
N. 0° 1' W., bet. secs. 13 and 14.
 Over rolling desert land; thru heavy undergrowth.
 7.90 Wash, 30 lks. wide, 3 ft. deep, course SW.
 23.50 Wash, 10 lks. wide, course W.
 37.40 Road, to Del Rio Mine, bears N. 10° E. and S. 10° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1919

raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.

43.40 Wash, 10 lks. wide, course W.
 44.20 Same road, to Del Rio Mine, bears N. 10° W. and S. 10° E.
 46.00 Same road, to Del Rio Mine, bears N. 15° E. and S. 15° W.
 58.40 Wash, 15 lks. wide, course W.
 70.95 Same road, to Del Rio Mine, bears N. 10° W. and S. 10° E.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
 the ground, on bed rock and raise a mound of stone,
 3 ft. base, 20 ins. high, around same, for cor. of
 secs. 11, 12, 13 and 14, with brass cap marked.



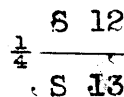
1919

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling desert.
 Soil, disintegrated rocky, 4th rate on surface.
 Subsoil, sandy loam and granite, 20 ins. deep.
 Undergrowth, greasewood, rosin weed cat claw, mesquite,
 ocotilla, palo verde, dwarf oak, and cholla and sahuaro
 cactus.
 No timber.
 Grass, poor.

40.00 N. 89° 57' E., on random line bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect the E. bdy. of the Tp., 4 lks. N. of the cor. of
 secs. 7, 12, 13 and 18, described in book "K".

Thence
 S. 89° 59' W., on true line bet. secs. 12 and 13.
 Over gently rolling land; thru thick undergrowth.
 12.00 Enter draw bottom land, bears NE. and SW.
 19.70 Main wash, 70 lks. wide, course S. 70° W.
 24.50 Same wash, 70 lks. wide, course N. 70° W.
 26.60 Leave draw bottom land, bears N. 70° W. and S. 70° E.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in
 the ground, and raise a mound of stone, 4 ft. base, 2
 ft. high around same, for $\frac{1}{4}$ sec. cor., with brass cap
 marked.



1919

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

43.01 Giant cactus, 20 ft. high, on line.
 73.38 Giant cactus, 8 ft. high, on line.
 79.98 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling.
 Soil, sandy loam, 1st rate.
 Undergrowth, cat claw, mesquite, palo verde, and cholla
 and sahuaro cactus.
 No timber.. poor grass.

Chains.

N. 0° 1' W., bet. secs. 11 and 12.
 Over rolling desert; thru medium undergrowth.
 7.60 Enter bottom land, bears E. and W.
 10.90 Road, to Del Rio Mine, bears E. and W.
 14.00 Main wash, 60 lks. wide, course W., and leave bottom land
 bears E. and W.
 33.50 Wash, 15 lks. wide, course S. 70° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S 11 | S 12

1919

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

47.90 Wash, 20 lks. wide, course N. 80° W.
 68.00 Shallow wash, 60 lks. wide, course S. 70° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in.
 the ground, for cor. of secs. 1, 2, 11 and 12, with
 brass cap marked.

T 6S | R11E
 S 2 | S 1
 S 11 | S 12

1919

raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 2 ft. high, W.
 of cor.

Land, gently rolling, with drainage to W.
 Soil, rocky disintegrated granite on slopes, 4th rate,
 and sandy loam, 2nd rate in bottoms.
 Subsoil, is a mixture of loam and granite, 3rd rate.
 Undergrowth, rosin weed, palo verde, cat claw, ocotilla,
 mesquite and cholla and sahuaro cactus.
 Timber, none.
 Grass, poor.

N. 89° 59' E., on random line bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect the E. bdy. of the Tp., at the cor. of secs.
 1, 6, 7 and 12., described in book "K".
 Thence
 S. 89° 59' W., on true line bet. secs. 1 and 12.
 Over gently rolling land; thru dense undergrowth.
 3.08 Old road, bears NW. and SE.
 15.00 Wash, 20 lks. wide, 1 ft. deep, course SW.
 25.00 Shallow wash, 30 lks. wide, course S. 70° W.
 27.10 Main wash, 50 lks. wide, 1 ft. deep, course N. 70° W.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

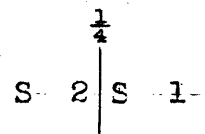
S 1
 $\frac{1}{4}$
 S 12
 1919

raise a mound of stone, 4 ft. base, 3 ft. high, N.
 of cor.

40.19 A giant cactus, 20 ft. high, on line.
 73.70 Wash, 10 lks. wide, course S. 80° W.
 79.98 The cor. of secs. 1, 2, 11 and 12.
 Land, gently rolling and hilly. Scattering outcroppings
 of granite and quartz.
 Soil, decomposed granite, 4th rate.
 Undergrowth, greasewood, palo verde, cholla and sahuaro
 cactus, broom weed.
 Timber, None.
 Grass, poor.

Chains.

N. 0° 1' W., on true line, bet. secs. 1 and 2.
 Over rolling desert; thru dense undergrowth.
 20.70 Wash, 10 lks. wide, course NW.
 28.20 Wash, 100 lks. wide, 2 ft. deep, course W.
 33.10 Road, bears N. 65° W. and S. 65° E.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.



1919

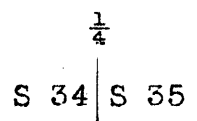
dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 47.40 Wash, 10 lks. wide, course W.
 61.60 Shallow wash, 20 lks. wide, course W.
 69.27 Intersect the 1st Standard Parallel S. at a point, 24.57
 chs. W. of re-established cor. of Twp 5 S. Rs. 11 and
 12 E., described in Book "K". At point of
 intersection, set an iron post, 3 ft. long, 2 ins. diam.,
 20 ins. in the ground, and raise a mound of stone,
 2 ft. base, 1 ft. high around same for closing cor.
 of secs. 1 and 2, with brass cap marked.



raise a mound of stone, 3 ft. base, 2 ft. high, S.
 of cor.
 Land, rolling desert. Granite and quartz out croppings,
 and drainage to W.
 Soil, decomposed granite, 4th rate.
 Subsoil, limestone.
 Undergrowth, greasewood, palo verde, cat claw, buck thorn,
 mesquite and cholla cactus.
 Timber, none,
 Grass, scattering.

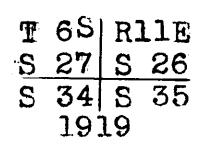
From the cor. of secs. 2, 3, 34 and 35, on the S. bdy.
 of the Tp., described in book "I".

N. 0° 1' W., bet. secs. 34 and 35.
 Over rolling land; thru medium undergrowth.
 3.97 Main wash, 50 lks. wide, 2 ft. deep, course N. 70° W.
 6.50 Enter level bottom, bears E. and W.
 11.70 Wash, 30 lks. wide, course S. 80° W.
 15.00 leave bottom land; bears E. and W.
 17.00 Low spur, slopes S. 80° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.



1919

from which
 A mesquite, 24 ins. diam., bears N. 18° W., 127 lks.
 dist., marked 1/4 S 34 E T.
 No other tree available; raise a mound of stone,
 3 ft. base, 2 ft. high, W. of cor.
 46.50 Wash, 20 lks. wide, 2 ft. deep, course S. 80° W.
 74.50 Wash, 20 lks. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 26, 27, 34 and 35, with
 brass cap marked.



Chains.

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

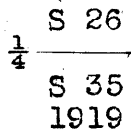
Land, rolling desert.
Soil, rocky on slopes, 3rd rate.
Subsoil, sandy loam, 1st and 2nd rate.
Undergrowth, palo verde, greasewood, cat claw, ocotilla, mesquite, and cholla and sahuaro cactus.
Timber, scattering mesquite.
Grass, poor.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. 1/4 sec. cor.
80.10 Intersect N. and S. line, at the cor. of secs. 25, 26, 35 and 36.

Thence
West, on a true line, bet. secs. 26 and 35.
Over rolling land; thru dense undergrowth.

31.90 Wash, 20 lks. wide, course SW.
40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.



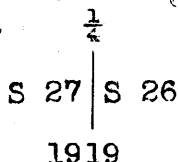
raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

62.00 Enter wash, 20 lks. wide, 1 ft. deep, from NE., course W.
70.10 Leave wash, 20 lks. wide, 1 ft. deep, which turns to N. 80° W.
80.10 The cor. of secs. 26, 27, 34 and 35.

Land, rolling desert.
Soil, rocky granite formation on slopes and sandy loam and disintegrated granite in valleys, 2nd, 3rd and 4th rate.
Undergrowth, palo verde, cat claw, mesquite, cholla, Yerba bueno, rosin and broom weed and cholla cactus.
Timber, none.
Grass, poor.

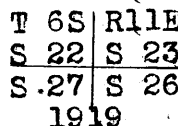
N. 0° 1' W., bet. secs. 26 and 27.
Over rolling desert land; thru dense undergrowth.

.50 Wash, 20 lks. wide, course W.
16.30 Wash, 50 lks. wide, course S. 80° W.
21.00 Wash, 50 lks. wide, course S. 70° W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.



raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

45.05 Huge granite boulder, 30 ft. base, 16 ft. high, on line.
55.50 Wash, 20 lks. wide, 3 ft. deep, course W.
59.20 Main wash, 30 lks. wide, 3 ft. deep, course W.
80.00 Set an iron post, 3 ft. long, 2 in. diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap marked.



raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

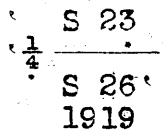
Subdivision of T. 6 S. R. 11 E.

Chains.

Land, gently rolling desert.
Soil, mixture of sandy loam and gravelly subsoil, 2nd rate.
Undergrowth, palo verde, rosin weed, mesquite, Yerba bueno
, cat claw, and sahuaro cactus.
Timber, none.
Grass, poor.

40:00 East, on random line bet. secs. 23 and 26.
Set temp. 1/4 sec. cor.
80.08 Intersect the corner of secs. 23, 24, 25 and 26, 27, 28, 29 and 30.

Thence
West, on true line bet. secs. 23 and 26.
Over slightly rolling desert land; thru thick undergrowth.
40.04 Set an iron post, 3 ft. long; 1 in. diam., 26 ins. in
the ground, for 1/4 sec. cor., with brass cap marked.

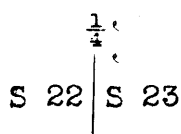


raise a mound of stone, 3 ft. base, 2 ft. high, N.
of cor.
42.60 Shallow wash, 30 lks. wide, course SW.
77.30 Road, bears N. 80° W. and S. 80° E.
80.08 The cor. of secs. 22, 23, 26 and 27.

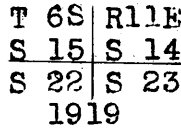
Land; gently rolling.
Soil, mixture of sandy loam and granite, 2nd and 3rd rate,
3 ft. to bed rock.
Undergrowth, palo verde, cat claw, Yerba bueno, mesquite,
ocotilla, broom weed and rosin weed.
Timber, none.
Grass, poor.

N. 0° 1' W., bet. secs. 22 and 23.
Over rolling desert; thru dense undergrowth:
.60 Road, bears N. 80° W. and S. 80° E.
2.20 Wash, 10 lks. wide, course SW.
7.00 Low divide, bears N. 70° E. and S. 70° W.
17.70 Road, from Allens wells to Del Rio Mine, bears N. 70° E.
and S. 70° W.

25.30 Wash, 40 lks. wide, 3 ft. deep; course W.
32.30 Wash, 30 lks. wide, 2 ft. deep; course N. 85° W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground; for 1/4 sec. cor., with brass cap marked.



raise a mound of stone, 3 ft. base, 2 ft. high, W.
of cor.
41.00 Wash, 100 lks. wide, 2 ft. deep, course W.
66.00 Wash, 20 lks. wide, course S. 70° W.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. of secs. 14, 15, 22 and 23, with
brass cap marked.



raise a mound of stone, 3 ft. base, 2 ft. high, W.
of cor.
Land, slightly rolling desert.
Soil, sandy loam and granite, 2nd and 3rd rate.
Undergrowth, palo verde, greasewood, cat claw, ocotilla,

Subdivision of T. 6 S. R. 11 E.

Chains.

rosin weed, broom weed and sahuaro cactus.
Timber, none.
Grass, poor.

East, on random line bet. secs. 14 and 23.
Over gently rolling land; thru medium undergrowth.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.98 Intersect the corner of secs. 13, 14, 23 and 24
23 and 24

Thence

West, on true line bet. secs. 14 and 23.
Over gently rolling land; thru medium undergrowth.

8.70 Wash, 20 lks. wide, 2 ft. deep, course SW.
14.40 Road, bears N. 10° E. and S. 10° W. (Del Rio Mine to
Allens wells)
27.00 Wash, 15 lks. wide; course NW.
37.50 Same wash, 15 lks. wide, course SW.
39.60 Same wash, 15 lks. wide, course N. 70° W.
39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S 14
 $\frac{1}{4}$
S 23
1919

raise a mound of stone, 3 ft. base, 2 ft. high, N.
of cor.

46.00 Same wash, 15 lks. wide, course S. 60° W.
67.50 Wash, 20 lks. wide, course SW.
79.98 The cor. of secs. 14, 15, 22 and 23.
Land, rolling desert.
Soil, rocky and sandy on slopes, 3rd and 4th rate; sandy
loam, in valleys, 1st and 2nd rate.
Undergrowth, palo verde, cat claw, ocotilla, and cholla
cactus.
Timber, none .
Grass, poor.

N. 0° 1' W., bet. secs: 14 and 15.
Over rolling desert land; thru medium undergrowth.

11.40 Wash, 15 lks. wide, course NW.
16.50 Wash, 25 lks. wide; course N. 80° W.
35.00 Wash, 25 lks. wide; from E., course N. 10° W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
52.40 Wash, 10 lks. wide, course S. 80° W.
62.50 Wash, 30 lks. wide,

$\frac{1}{4}$
S 15 | S 14
1919

raise a mound of stone, 3 ft. base, 2 ft. high, W.
of cor.

50.40 Wash, 10 lks. wide, course S. 80° W.
63.50 Wash, 30 lks. wide, 2 ft. deep; course W.
77.00 Enter bottom land, bears E. and W.
80.00 True point for cor. comes in wash, 50 lks. wide, course W.
Land, slightly rolling.
Soil, disintegrated granite and sand, 2nd and 3rd rate.
Undergrowth, ocotilla, palo verde, mesquite, cat claw and
cacti.
Timber, none.
Grass, poor.

Subdivision of T. 6 S. R. 11 E.

Chains.

From the true point for cor. of secs. 10, 11, 14 and 15. East, on random line bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence

S. 89° 59' W., on true line bet. secs. 11 and 14.

Over level bottom land; thru dense undergrowth.

1.80 Road, from Allens well to Del Rio Mine, bears N. and S.

20.00 Enter bottom land, bears NE. and SW., thence follow W. along same.

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

S 11

1/4

S 14

1919

raise a mound of stone, 3 1/2 ft. base, 2 ft. high, N. of cor.

43.00 Leave bottom land, bears NW. and SE.

55.00 Enter bottom land, bears NE. and SW.

56.00 Wash, 20 lks. wide, course SW.

63.00 Same wash, 30 lks. wide, from SE. course W.

80.02 True point for cor. of secs. 10, 11, 14 and 15.

Land, Level draw bottom land, about 10 chs. wide.

Soil, sandy loam and disintegrated granite, 1st rate, in bottom. 2nd and 3rd rate on slopes.

Undergrowth, palo verde, cat claw, greasewood, rosin weed, and broom weed, cacti.

Timber, none.

Grass, poqr.

From the true point for cor of secs. 10, 11, 14 and 15. N. 0° 1' W., bet. secs. 10 and 11.

Across wash.

.20 Right bank of wash, 50 lks. wide, course W.

.30 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, for wit. cor. to cor. of secs. 10, 11, 14 and 15, with brass cap marked.

T 6S | R11E

S 10 | S 11

S 15 | S 14

W C

1919

raise a mound, of stone, 3 ft. base, 2 ft. high, W. of cor.

Thence over rolling desert; thru medium undergrowth.

21.40 Shallow wash, 30 lks. wide, course W.

36.20 Shallow wash, 50 lks. wide, course W.

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

1/4

S 10 | S 11

1919

raise a mound of stone, 3 1/2 ft. base, 2 ft. high, W. of cor.

49.80 Wash, 20 lks. wide, course W.

77.90 Wash, 20 lks. wide, 2 ft. deep, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground on bed rock and raise a mound of stone, 3 ft. base, 1 1/2 ft. high, around same, for cor. of secs. 2, 3, 10 and 11, with brass cap marked.

Subdivision of T. 6 S. R. 11 E.

Chsins.

T 6S	R11E
S 3	S 2
S 10	S 11

1919.

dig pits, 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist.
Land, rolling desert.

Soil, sandy loam and disintegrated granite, 2nd and 3rd rate.

Undergrowth, palo verde, greasewood, cat claw, buck thorn, rosin and broom weed and cholla and sahuaro cactus.

Timber, none.

Grass, poor.

N. 89° 59' E., on random line bet. secs. 2 and 11.

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

80.00 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 1, 2, 11 and 12.

Thence

S. 89° 58' W., on true line bet. secs. 2 and 11.

Over rolling desert land; thru dense undergrowth.

30.45 Road, bears N. 15° W. and S. (From Allens well to Del Rio Mine,)

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

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

1919

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

42.00 Small wash, 10 lks. wide, course N. 60° W.

50.00 Same wash, 25 lks. wide, course S. 80° W.

55.70 Same wash, 25 lks. wide, 2 ft. deep, course N. 70° W.

60.00 Same wash, 25 lks. wide, 2 ft. deep, course S. 60° W.

64.00 Bend in same wash, 25 lks. wide, 2 ft. deep, from SE., course SW.

80.00 The cor. for secs. 2, 3, 10 and 11.

Land, gently rolling, with drainage to W.

Soil, sandy loam in valleys, 1st and 2nd rate ; granite formation on slopes, 3rd and 4th rate.

Undergrowth, greasewood, palo verde, buck thorn, and cholla and sahuaro cactus.

Timber, none.

Grass, poor.

N. 0° 1' W., on true line, bet. secs. 2 and 3.

Over rolling land; thru dense undergrowth.

17.70 Wash, 10 lks. wide, course W.

26.10 Wash, 20 lks. wide, course W.

35.00 Main wash, 100 lks. wide, course W.

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

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

1919

dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.

69.42 Intersect 1st Standard Parallel S., at a point 24.66 chs.

W. from reestablished std. cor. of secs. 35 & 36, T. 5 S. R. 11

E., hereinafore described. At point of

intersection, set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 2 and 3, with brass cap marked.

Subdivision of T. 6 S. R. 11 E.

Chains.

T 5 S R 11 E	
S 35	
S 3	S 2
T 6 S	R 11 E
C C	
1919	

dig pits, 24x18x12 ins. crosswise on each line, E., W. and S. of post, 4 ft. dist.
 Land, gently rolling desert.
 Soil, sandy loam and granite, 2nd and 3rd rate.
 Undergrowth, palo verde, mesquite, cat claw, broom weed, and cholla and sahuaro cactus.
 Timber, none,

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., described in book "I"
 N. 0° 2' W., bet. secs. 33 and 34.
 Over gently rolling land; thru heavy undergrowth.
 8.20 Wash, 50 lks. wide, 3 ft. deep, course N. 85° W.
 13.60 Wash, 10 lks. wide, 1 ft. deep, course S. 70° W.
 29.20 Wash, 10 lks. wide, 1 ft. deep, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$	
S 33	S 34
1919	

dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 47.70 Wash, 75 lks. wide, 3 ft. deep, course S. 70° W.
 70.00 Wash, 10 lks. wide, 1 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap marked.

T 6 S	R 11 E
S 28	S 27
S 33	S 34
1919	

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, sandy clay, 2nd and 3rd rate.
 Undergrowth, cats claw, greasewood, ocotilla and cholla and sahuaro cactus.
 Timber, scattering palo verde and mesquite.

East, on random line bet. secs. 27 and 34.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect E. and S. lines, at the cor. of secs. 26, 27, 34 and 35.
 Thence, West, on true line bet. secs. 27 and 34.
 Over rolling land; thru dense undergrowth.
 2.70 Wash, 20 lks. wide, course S. 70° W.
 30.00 Asc. 90 ft. over E. slope, to low divide.
 36.70 Trail, bears N. and S.
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$	S 27
S 34	
1919	

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 42.00 Low divide, bears NW. and SE., continue asc. 100 ft. to top of hill over E. slope.

Chains.

45.00 Small wash, 5 lks. wide, course S. 20° W., continue asc.
 61.30 Spur, slopes S., and desc. 200 ft. over W. slope to cor.
 71.50 Spur, slopes SW.
 79.98 The cor. of secs. 27, 28, 33 and 34.
 Land, mountainous W. $\frac{1}{2}$: rolling, E. $\frac{1}{2}$.
 Soil, sandy loam and granite, 2nd rate, E. $\frac{1}{2}$ mile: rocky
 granite formation, 4th rate, W. $\frac{1}{2}$ mile.
 Undergrowth, palo verde, cat claw, broom weed and cholla
 cactus.
 Grass, poor.

N. 0° 2' W., bet. secs. 27 and 28.

Over hilly and rocky land; thru heavy undergrowth.

3.90 Wash, 30 lks. wide, 3 ft. deep, course S. 60° W.
 10.00 Asc. 185 ft. over S. slope.
 23.22 Top of ridge, bears N. 30° E., and S.
 28.22 Head of ravine, course SW., and asc. 55 ft. over S. slope
 32.12 Top of ridge, bears N. 80° W. and S. 70° E., and desc.
 200 ft. over N. slope.
 40.00 Set an iron post, 34 ft. long, 1 in. diam., 14 ins. in
 the ground, on bed rock and raise a mound of stone,
 2 ft. base, 14 ins. high, around same, for $\frac{1}{2}$ sec.
 cor., with brass cap marked.

S 28	S 27
------	------

1919

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

44.96 Foot of ridge, bears E. and W.
 49.36 Wash, 150 lks. wide, 4 ft. deep, course S. 80° W.
 54.96 Spur, slopes E.
 64.84 Asc. 200 ft. over S. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 21, 22, 27 and 28, with
 brass cap marked.

T 6S	R11E
S 21	S 22
S 28	S 27

1919

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, hilly and rocky.
 Soil, decomposed granite, 4th rate.
 Undergrowth, mesquite, cat claw, greasewood, and cholla
 and sahuaro cactus.
 Timber, scattering palo verde.

East, on random line bet. secs. 22 and 27.

40.00 Set temp: $\frac{1}{2}$ sec. cor.
 80.12 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
 22, 23, 26 and 27.
 Thence
 N. 89° 58' W., on true line bet. secs. 22 and 27.
 Over rolling and hilly land; thru heavy undergrowth,
 2. 10 Wash, 20 lks. wide, course S. 70° W.
 31.50 Wash, 30 lks. wide, 2 ft. deep, course N. 70° W.
 40.06 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

S 22

$\frac{1}{2}$

S 27

1919

from which

A mesquite, 10 ins. diam., bears S. 10° E., 62 lks.

Subdivision of T. 6 S.. R. 11 E.

Chains.

dig., marked $\frac{1}{4}$ S 27 B T.
 A mesquite, 5 ins. diam., bears N. $14\frac{1}{2}^\circ$ E., 67 lks.
 dist., marked $\frac{1}{4}$ S 22 B T.

45.00 Asc. 190 ft. over E. slope.
 65.40 Head of ravine, 75 lks. wide; 15 ft. deep, course N. 10° E.
 , continue asc.
 76.10 Top of ridge, bears N. and S. 60° E., and desc. 80 ft.
 over W. slope to cor.
 80.12 The cor. of secs. 21, 22, 27 and 28,
 Land, rolling and hilly.
 Soil, decomposed granite, 4th rate, in hills and sandy loam
 2nd rate on rolling land.
 Undergrowth, cat claw, greasewood, and cholla and sahuaro
 cactus.
 Timber, scattering mesquite and palo verde.

 N. $0^\circ 2' W.$, on true line, bet. secs. 21 and 22.
 Over hilly land, thru heavy undergrowth.
 Ascend along W. slope of ridge, 135 ft.
 15.83 Top of ridge, brs. N. and S. 40° E.; desc. 268 ft. over N. slope.
 20.00 Dam about 16.00 chs. E.
 25.00 Small shack, about 23.00 chs. E., 268 ft.
 over E. slope,
 37.64 Wash, 50 lks. wide, 3 ft. deep, course N. 60° W., thence
 over rolling land.
 38.64 Road, bears S. 60° E. and N. 60° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S 21 | S 22

1919

dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 47.40 Wash, 75 lks. wide, 2 ft. deep, course S. 85° W.
 66.50 Wash, 20 lks. wide, 3 ft. deep, course N. 85° W.
 74.00 Wash, 10 lks. wide, 1 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 15, 16, 21 and 22, with
 brass cap marked.

T 6S | R11E
 S 16 | S 15
 S 21 | S 22
 1919

raise a mound of stone, 3 ft. base, 2 ft. high, W:
 of cor.
 Land, 1st $\frac{1}{2}$ mile is hilly; 2nd $\frac{1}{2}$ mile rolling.
 Soil, rocky granite formation, 4th rate in hills and
 sandy loam, 1st rate on level land.
 Undergrowth, palo verde, mesquite, greasewood, cat claw,
 and cholla and sahuaro cactus.
 Timber, scattering palo verde on ridge.

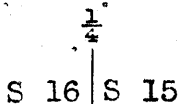
 S. $89^\circ 58'$ E., on random line bet. secs. 15 and 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.24 Intersect N. and S. line, 25 lks. S. of the cor. of secs.
 14, 15, 22 and 23.
 Thence,
 S. $89^\circ 51'$ W., on true line bet. secs. 15 and 22.
 Over gently rolling land; thru heavy undergrowth.
 27.25 Wash, 15 lks. wide, 2 ft. deep, course S. 65° W.
 40.12 Set an iron post, 3 ft. long; 1 in. diam.; 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S 15
 $\frac{1}{4}$ -----
 S 22
 1919

Chains.

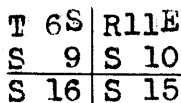
raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 50.55 Wash, 10 lks. wide, 1 ft. deep, course S. 80° W.
 80.24 The cor. of secs. 15, 16, 21 and 22.
 Land, gently rolling.
 Soil, sandy clay, 2nd rate.
 Timber, scattering palo verde,
 Undergrowth, greasewood, cats claw, ocotilla and cholla and sahuaro cactus.

 N. 0° 2' W., bet. secs. 15 and 16.
 Over gently rolling land; thru heavy undergrowth.
 1.00 Wash, 50 lks. wide, 3 ft. deep, course S. 85° W.
 13.60 Wash, 10 lks. wide, 2 ft. deep, course S. 80° W.
 19.10 Wash, 20 lks. wide, 2 ft. deep, course S. 65° W.
 36.50 Wash, 15 lks. wide, 2 ft. deep, course S. 85° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1919

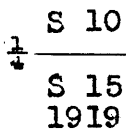
69.10 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 Wash, 10 lks. wide, 1 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, with brass cap marked.



1919

dig pits, 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.
 Land, gently rolling.
 Soil, sandy loam, 1st rate.
 Undergrowth, greasewood, cat claw, and cholla and sahuaro cactus.
 Timber, scattering palo verde and mesquite.

 N. 89° 51' E., on random line bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line, 49 lks. N. of the true point for cor. of secs. 10, 11, 14 and 15.
 Thence
 N. 89° 48' W., on true line bet. secs. 10 and 15.
 Along wash, 50 lks. wide, course W:
 1.50 Leave wash, 50 lks. wide, which turns to course S. 60° W.
 12.00 Leave wash bottom land, bears NE. and SW.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

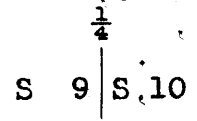


raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
 50.00 Enter bottom land, bears NW. and SE.
 58.00 Main wash, 100 lks. wide, course NW.
 80.10 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling desert.
 Soil, disintegrated granite on surface and sandy subsoil, 1st and 2nd rate.
 Undergrowth, greasewood, palo verde cat claw, rosin and broom weed, and cholla and sahuaro cactus.
 Timber, scattering palo verde.

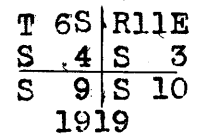
Subdivision of T. 6 S. R. 11 E.

Chains.

N. 0° 2' W., bet. secs. 9 and 10.
 Over gently rolling land; thru heavy undergrowth.
 7.30 Wash, 75 lks. wide, 3 ft. deep, course W.
 36.70 Wash, 50 lks. wide, 3 ft. deep, course S. 85° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



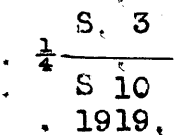
1919
 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 49.80 Wash, 30 lks. wide, 2 ft. deep, course N. 85° W.
 54.40 Wash, 30 lks. wide, 2 ft. deep, course N. 80° W.
 70.00 Wash, 15 lks. wide, 3 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ind. diam., 24 ins. in
 the ground, for cor. of secs. 3, 4, 9 and 10, with
 brass cap marked.



1919
 dig pits, 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist.
 Land, gently rolling.
 Soil, sandy clay, 1st rate.
 Timber, scattering palo verde.
 Undergrowth, mesquite, cat. claw, greasewood, and cholla
 and sahuaro cactus.

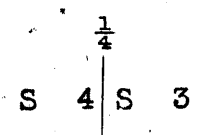
 S. 89° 48' E., on random line bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line, 39 lks. S. of the cor. of secs.
 2, 3, 10 and 11.

Thence
 S. 89° 55' W., on true line bet. secs. 3 and 10.
 Over rolling land; thru dense undergrowth.
 2.70 Wash, 20 lks. wide, course NW.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1919
 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 67.500 Wash, 30 lks. wide, course N. 65° W.
 80.10 The cor. of secs. 3, 4, 9 and 10.
 Land, gently rolling W. slope.
 Soil, rocky decomposed granite on surface and sandy loam
 subsoil, 2nd rate.
 Undergrowth, palo verde, greasewood, cat claw and cacti.
 Timber, none.

 N. 0° 2' W., on true line, bet. secs. 3 and 4.
 Over nearly level land; thru heavy undergrowth.
 1.80 Wash, 30 lks. wide, 3 ft. deep, course S. 85° W.
 8.40 Wash, 50 lks. wide, 4 ft. deep, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1919

Chains.

dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 41.00 Wash, 15 lks. wide, 2 ft. deep, course W.
 53.30 Wash, 20 lks. wide, 4 ft. deep, course S. 85° W.
 68.60 Wash, 15 lks. wide, 2 ft. deep, course N. 80° W.
 69.60 Intersect the 1st Standard Parallel S., at a point, 24.69
 chs. W. from reestablished std. cor. of secs. 34 and 35, T. 5
 S., R. 11 E., here in before described.
 At intersection, set an iron post, 3 ft. long, 3 ins.
 diam., 24 ins. in the ground, for closing cor. of
 secs. 3 and 4, with brass cap marked.

T5S R11E

S34

T6S R11E

C C

S 4 S 3

T6S R11E

1919

dig pits, 24x18x12 ins., crosswise on each line,
 E., W. and S. of post, 4 ft. dist.
 Land, nearly level.
 Soil, sandy loam, 1st rate.
 Undergrowth, cat claw, treasewood, mesquite and cholla
 cactus.
 Timber, scattering palo verde.

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

Over nearly level land; thru heavy undergrowth.
 8.70 Wash, 15 lks. wide, 2 ft. deep, course W.
 23.20 Wash, 20 lks. wide, 1 ft. deep, course S. 80° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.

S 32 S 33

1919

dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 43.80 Wash, 20 lks. wide, course N. 80° W.
 49.20 Wash, 200 lks. wide, course N. 80° W.
 70.60 Wash, 15 lks. wide, 1 ft. deep, course N. 70° W.
 73.80 Old road, bears S. 50° E. and N. 50° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 28, 29, 32 and 33, with
 brass cap marked.

T. 6S R11E

S. 29 S 28

S 32 S 33

1919

dig pits, 18x18x12 ins. in each sec. 5 1/2 ft. dist.
 Land, nearly level.
 Soil, sandy and gravelly loam, 2nd rate.
 Undergrowth, greasewood, and cholla and sahuare cactus.
 Timber, scattering palo verde and mesquite.

 East, on random line bet. secs. 28 and 33.
 40.00 Set temp. 1/4 sec. cor.
 79.94 Intersect N. and S. line, 7 lks. N. of the cor. of secs.
 27, 28, 33 and 34.

Thence
 N. 89° 57' W., on true line bet. secs. 28 and 33.
 Over gently rolling land; thru heavy undergrowth.
 3.00 Wash, 20 lks. wide, 2 ft. deep, course S. 40° W.
 39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.

Subdivision of T. 6 S. R. 11 E.

Chains.

S 28

1/4

S 33

1919

79.94 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 The cor. of secs. 28, 29, 32 and 33.
 Land, gently rolling.
 Soil, sandy clay, 1st and 2nd rate.
 Undergrowth, greasewood, ocotilla and cholla and sahuaro cactus.
 Timber, scattering palo verde and mesquite.

N. 0° 2' W., bet. secs. 28 and 29.

Over level land; thru mesquite and cat claw.

1.60 Wash, 15 lks. wide, 1 ft. deep, course S. 85° W.
 30.40 Wash, 15 lks. wide, 3 ft. deep, course W.
 35.00 Wash, 40 lks. wide, 3 ft. deep, course N. 85° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

1/4

S 29 | S 28

1919

51.20 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 Wash, 100 lks. wide, 3 ft. deep, course S. 85° W.
 69.20 Wash, 50 lks. wide, 3 ft. deep, course S. 85° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap marked.

T 6S | R 11E

S 20 | S 21

S 29 | S 28

1919

dig pits, 18x18x12 ins. in each sec. 5 1/2 ft. dist.
 Land, level.
 Soil, sandy clay, 1st rate.
 Undergrowth, greasewood, and cholla and sahuaro cactus.
 Timber and large brush, palo verde, mesquite and cat claw.

S. 89° 57' E., on random line bet. secs. 21 and 28.

40.00 Set temp. 1/4 sec. cor.
 79.96 Intersect the cor. of secs. 21, 22, 27 and 28.

Thence

N. 89° 57' W., on true line bet. secs. 21 and 28.

Over hilly and rolling land; thru heavy undergrowth.

Desc. 175 ft. over W. slope

9.63 Foot of ridge, bears S. 30° E. and N. 30° W., thence over rolling land;
 37.53 Wash, 15 lks. wide, 3 ft. deep, course S. 70° W.
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

S 21

1/4

S 28

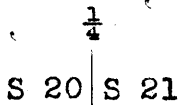
1919

50.60 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 Wash, 20 lks. wide, 3 ft. deep, course S. 65° W.
 57.50 Wash, 10 lks. wide, 1 ft. deep, course S. 20° W.
 79.96 The cor. of secs. 20, 21, 28 and 29.
 Land, W. 20.00 chs., hilly and rocky; balance rolling.
 Soil, granite formation, 4th rate in hills and sandy clay, 1st rate, balance of mile.
 Undergrowth and small timber, palo verde, mesquite, greasewood, cat claw and cholla and sahuaro cactus.

Subdivision of T. 6 S. R. 11 E.

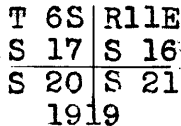
Chains.

N. 0° 2' W., bet. secs. 20 and 21.
 Over nearly level land; thru dense undergrowth.
 9.60 Wash, 10 lks. wide, 1 ft. deep, course S. 60° W.
 19.80 Wash, 10 lks. wide, 2 ft. deep, course W.
 23.80 Wash, 10 lks. wide, 1 ft. deep, course S. 70° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in.
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



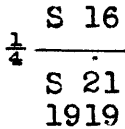
1919

dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 40.55 Wash, 15 lks. wide, 2 ft. deep, course S. 70° W.
 58.50 Wash, 75 lks. wide, 3 ft. deep, course S. 85° W.
 64.20 Road, bears N. 30° W. and S. 40° E.
 68.60 Wash, 100 lks. wide, 3 ft. deep, course S. 85° W.
 74.10 Wash, 100 lks. wide, 3 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 16, 17, 20 and 21, with
 brass cap marked.



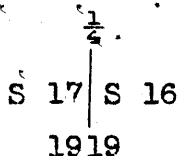
dig pits, 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist.
 Land, nearly level.
 Soil, sandy clay, 1st rate.
 Small timber, scattering palo verde and mesquite.
 Undergrowth, greasewood, cat claw and cholla and sahuaro
 cactus.

S. 89° 57' E., on random line bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
 15, 16, 21 and 22.
 Thence
 West, on true line bet. secs. 16 and 21.
 Over nearly level land; thru heavy undergrowth.
 8.30 Wash, 75 lks. wide, 3 ft. deep, course S. 70° W.
 39.96 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 69.00 Dim road, bears N. 60° W. and SE.
 79.92 The cor. of secs. 16, 17, 20 and 21.
 Land, nearly level.
 Soil, sandy loam, 1st rate.
 Undergrowth and small timber, mesquite, palo verde, cat-
 claw, greasewood and cholla and sahuaro cactus.

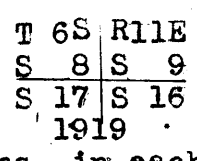
N. 0° 2' W., bet. secs. 16 and 17.
 Over nearly level land; thru heavy undergrowth.
 10.10 Road, bears N. 60° W. and S. 60° E.
 29.40 Wash, 50 lks. wide, 3 ft. deep, course N. 70° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Subdivision of T. 6 S. R. 11 E.

Chains.

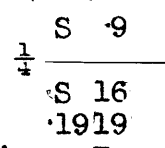
45.00 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 Wash, 20 lks. wide, 3 ft. deep, course S. 75° W.
 69.20 Wash, 40 lks. wide, 3 ft. deep, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 8, 9, 16 and 17, with
 brass cap marked.



dig pits, 18x18x12 ins. in each sec. 5 1/2 ft. dist.
 Land, nearly level.
 Soil, sandy loam, 1st rate.
 Undergrowth, and small timber, palo verde, greasewood,
 and cholla and sahuaro cactus.

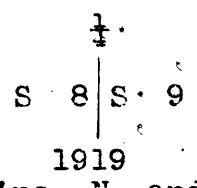
East, on a random line bet. secs. 9 and 16.
 40.00 Set temp. 1/4 sec. cor.
 79.94 Intersect the corner of secs. 9, 10, 15 and 16.

Thence
 West, on true line bet. secs. 9 and 16.
 Over gently rolling land; thru heavy undergrowth.
 26.00 Wash, 20 lks. wide, 1 ft. deep, course N. 85° W.
 39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.

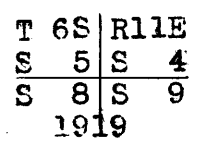


50.00 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 Same wash, 20 lks. wide, 1 ft. deep, from N. 70° E.,
 course W.
 53.40 Same wash, 20 lks. wide, 1 ft. deep, turns to course SW.
 79.94 The cor. of secs. 8, 9, 16 and 17.
 Land, gently rolling.
 Soil, sandy clay, 1st rate.
 Small timber; palo verde and mesquite.
 Undergrowth, greasewood, cat claw and cholla and sahuaro
 cactus.

N. 0° 2' W., bet. secs. 8 and 9.
 Over nearly level land; thru heavy undergrowth and small
 timber.
 11.80 Wash, 15 lks. wide, 2 ft. deep, course W.
 35.00 Wash, 20 lks. wide, 2 ft. deep, course N. 85° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.



58.40 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 Wash, 15 lks. wide, 3 ft. deep, course N. 85° W.
 71.00 Wash, 15 lks. wide, 3 ft. deep, course W.
 77.40 Wash, 40 lks. wide, 4 ft. deep, course N. 70° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground; for cor. of secs. 4, 5, 8 and 9, with
 brass cap marked.



Chains.

dig pits, 18x18x12 ins. in each sec. 5 1/2 ft. dist.
Land, nearly level.
Soil, sandy loam, 1st rate.
Undergrowth, greasewood, palo verde, mesquite, cat claw,
and cholla and sahuaro cactus.

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

40.00 Set temp. 1/4 sec. cor.
79.90 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
3, 4, 9 and 10.

Thence

S. 89° 56' W., on true line bet. secs. 4 and 9.

Over nearly level land; thru heavy undergrowth.

6.00 Bend of wash, 30 lks. wide, 3 ft. deep, from NE., course
N. 85° W.

30.60 Wash, 10 lks. wide, 1 ft. deep, course N. 75° W.

37.30 Bend of same wash, 10 lks. wide, 1 ft. deep, from NE.,
course N. 85° W.

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

S 4
1/4
S 9
1919

79.90 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
The cor. of secs. 4, 5, 8 and 9.

Land, nearly level.

Soil, sandy loam, 1st rate.

Undergrowth, mesquite, palo verde, cat claw, greasewood,
and cholla cactus.

N. 0° 2' W., on true line, bet. secs. 4 and 5.

Over nearly level land; thru heavy undergrowth.

16.70 Wash, 100 lks. wide, 4 ft. deep, course N. 80° W.

24.90 Wash, 15 lks. wide, 3 ft. deep, course W.

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

1/4
S 5S 4
1919

48.30 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.

52.60 Wash, 50 lks. wide, 2 ft. deep, course N. 85° W.

52.60 Wash, 30 lks. wide, 2 ft. deep, course N. 60° W.

65.70 Wash, 20 lks. wide, 2 ft. deep, course W.

69.74 Intersect 1st Standard Parallel South, at a point 24.52
chs. W. from the reestablished std. cor. of secs. 33 and 34,
T. 5S. R. 11 E., hereinbefore described. At point of
intersection, set an iron post, 3 ft. long, 2 ins.
diam., 24 ins. in the ground, for closing cor. of
secs. 4 and 5, with brass cap marked.

T5S R11E
333
S 5 S 4
T6S R11E
C.C.
1919

dig pits, 24x18x12 ins. crosswise on each line, E.,
W. and S. of post, 4 ft. dist.

Land, nearly level.

Soil, sandy clay, 1st rate.

Undergrowth, palo verde, mesquite, cat claw, greasewood,
and cholla and sahuaro cactus.

Subdivision of T. 6 S. R. 11 E.

Chains.	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., described in book "I". N. 0° 3' W., bet. secs. 31 and 32? Over level land; thru heavy undergrowth.
4.40	Wash, 20 lks. wide, 1 ft. deep, course N. 80° W.
23.50	Phoenix-Tuscon highway, bears N. 39° W. and S. 39° E.
36.40	Wash, 10 lks. wide, 2 ft. deep, course N. 80° W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\frac{1}{4}$
	S 31 S 32
	1919
	dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
44.70	Wash, 15 lks. wide, 1 ft. deep, course S. 80° W.
64.40	Wash, 20 lks. wide, 2 ft. deep, course W.
78.40	Wash, 30 lks. wide, 3 ft. deep, course N. 80° W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked.
	T 6 S R 11 E
	S 30 S 29
	S 31 S 32
	1919
	dig pits, 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. Land, level. Soil, sandy loam, 1st rate. Undergrowth, greasewood, cat claw, palo verde, mesquite, and cholla and sahuaro cactus.

	East, on a random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 28, 29, 32 and 33.
	Thence
	S. 89° 57' W., on true line bet. secs. 29 and 32.
	Over level land; thru heavy undergrowth.
3.70	Wash, 30 lks. wide, 1 ft. deep, course S. 70° W.
6.80	Old road, bears S. 50° E. and N. 50° W.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	S 29
	$\frac{1}{4}$
	S 32
	1919
	dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
63.60	Wash, 30 lks. wide, 3 ft. deep, course N. 70° W.
79.98	The cor. of secs. 29, 30, 31 and 32. Land, level. Soil, sandy loam, 1st rate. Undergrowth, greasewood, cat claw, and cholla and sahuaro cactus.

	West, on random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
75.92	Intersect the W. bdy. of the Tp., (2nd. Guide Mer. E.) 11 lks. N. of reestablished cor. of secs. 30 & 31, hereinbefore described. Thence, N. 89° 55' E., on true line bet. secs. 30 and 31.
	Over level land; thru medium undergrowth.
30.49	Phoenix-Tuscon highway, bears N. 39° W. and S. 39° E.
35.92	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

.Subdivision of T. 6 S. R. 11 E.

Chains.

S 30

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

1919

69.82 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
Wash, 30 lks. wide, 1 ft. deep, course N.-80° W.
75.92 The cor. of secs. 29, 30, 31 and 32.
Land, level.
Soil, sandy loam, 1st rate.
Undergrowth, greasewood, cat claw, palo verde, mexquite,
and cholla, club and sahuaro cactus.

N. 0° 3' W., bet. secs. 29 and 30.

Over level land; thru heavy undergrowth.

7.50 Wash, 20 lks. wide, 2 ft. deep, course W.
24.20 Wash, 30 lks. wide, 1 ft. deep, course S. 80° W.
32.30 Wash, 15 lks. wide, 1 ft. deep, course S. 70° W.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in.
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S 30 | S 29

1919

46.40 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
Wash, 20 lks. wide, 2 ft. deep, course S. 70° W.
59.10 Wash, 30 lks. wide, 2 ft. deep, course N. 80° W.
74.00 Wash, 30 lks. wide, 1 ft. deep, course S. 80° W.
79.50 Old road, bears S. 50° E. and N. 50° W.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
the ground, for cor. for secs. 19, 20, 29 and 30, with
brass cap marked.

T 6S | R11E
S 19 | S 20
S 30 | S 29

1919

dig pits, 18x18x12 ins. , in each sec. 5 $\frac{1}{2}$ ft. dist.
Land, level.
Soil, sandy loam, 1st rate.
Undergrowth, greasewood, cat claw, palo verde, mesquite,
and cholla and sahuaro cactus.

N. 89° 57' E., on random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.02 Intersect the corner of secs. 20, 21, 28 and 29, 30, 31.

Thence

S. 89° 57' W., on true line bet. secs. 20 and 29.

Over gently rolling land; thru dense undergrowth.

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

S 20

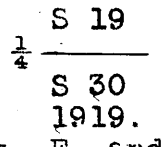
$\frac{1}{4}$
S 29

1919

75.00 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
Wash, 10 lks. wide, 1 ft. deep, course N. 70° W.
80.02 The cor. of secs. 19, 20, 29 and 30.
Land, gently rolling.
Soil, sandy clay, 1st rate.
Undergrowth, palo verde, mesquite, greasewood, ocotilla,
and cholla and sahuaro cactus.

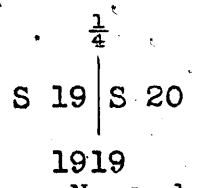
Subdivision of T. 6 S. R. 11 E.

Chains.
 40.00 S. 89° 55' W., on random line bet. secs. 19 and 30.
 Set temp. 1/4 sec. cor.
 75.82 Intersect W. bdy. of the Tp., (2nd Guide Mer. East) 2 lks. S.
 of reestablished cor. of secs. 19 and 30, hereinbefore de-
 scribed. Thence,
 N. 89° 56' E., on true line bet. secs. 19 and 30.
 Over level land; thru heavy undergrowth.
 21.22 Wash, 20 lks. wide, course N. 60° W.
 35.82 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.

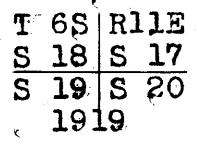


75.19 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 Old road, bears S. 50° E. and N. 50° W.
 75.82 The cor. of secs. 19, 20, 29 and 30.
 Land, level.
 Soil, sandy loam, 1st rate.
 Undergrowth, greasewood, cat claw, cholla, sahuaro, club,
 palo verde and mesquite.

N. 0° 3' W., bet. secs. 19 and 20.
 Over nearly level land; thru heavy undergrowth.
 8.90 Wash, 30 lks. wide, 3 ft. deep, course N. 80° W.
 28.30 Wash, 15 lks. wide, 1 ft. deep, course S. 70° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in
 the ground, for 1/4 sec. cor., with brass cap marked.



60.80 dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
 Wash, 10 lks. wide, 2 ft. deep, course S. 80° W.
 69.30 Wash, 50 lks. wide, 3 ft. deep, course S. 85° W.
 76.70 Road, bears N. 70° W. and E.
 79.00 Wash, 100 lks. wide, 4 ft. deep, course N. 75° W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
 the ground, for cor. of secs. 17, 18, 19 and 20, with
 brass cap marked.



from which
 A mesquite, 6 ins. diam., bears N. 64° E., 31 lks.
 dist., marked T 6 S R 11 E S 17 B T.
 A palo verde, 6 ins. diam., bears N. 71 1/2° E., 104
 lks. dist., marked T 6 S R 11 E S 17 B T.
 A palo verde, 8 ins. diam., bears S. 67 1/2° E., 103
 lks. dist., marked T 6 S R 11 E S 20 B T.
 No other trees available; raised mound of stone,
 3 ft. base, 2 ft. high, W. of cor.
 Land, nearly level.
 Soil, sandy loam, 1st rate.
 Undergrowth, greasewood, cat claw, and cholla and sahuaro
 cactus.
 Timber, scattering palo verde and mesquite.

40.00 N. 89° 57' E., on random line bet. secs. 17 and 20
 Set temp. 1/4 sec. cor.
 80.00 Intersect the corner of secs. 16, 17, 20 and 21.
 Thence S. 89° 57' W., on true line bet. secs. 17 and 20

Chains.

12.00 Over nearly level land; thru heavy undergrowth.
 Wash, 100 lks. wide, 3 ft. deep, course W., from SE., and follow along same.
 30.00 Leave same wash, 100 lks. wide, 3 ft. deep, which turns to S. 85° W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

S 17

1/4

S 20

1919

dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 76.00 Wash, 50 lks. wide, 3 ft. deep, course N. 85° W.
 80.00 The cor. of secs. 17, 18, 19 and 20.
 Land, nearly level.
 Soil, sandy clay, 2nd rate.
 Undergrowth, palo verde, greasewood, and cholla and sahuaro cactus.

S. 89° 56' W., on random line bet. secs. 18 and 19.

40.00 Set temp. 1/4 sec. cor.
 75.77 Intersect the W. bdy. of the Tp., (2nd Guide Mer. E.) 11 lks. N. of the reestablished cor. of secs. 18 and 19, hereinbefore described. Thence,

N. 89° 51' E., on true line bet. secs. 18 and 19.

Over gently rolling land; thru heavy undergrowth.
 13.07 Wash, 10 lks. wide, 1 ft. deep, course N. 70° W.
 29.77 Wash, 20 lks. wide, 2 ft. deep, course N. 80° W.
 31.97 Wash, 10 lks. wide, 2 ft. deep, course N. 70° W.
 35.77 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

S 18

1/4

S 19

1919

dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
 36.67 Same wash, 10 lks. wide, 2 ft. deep, course S. 80° W..
 58.07 Road, bears S. 85° E. and N. 80° W..
 63.37 Wash, 10 lks. wide, 1 ft. deep, course N. 60° W..
 68.37 Bend in same road, from S. 70° E. to S. 85° W..
 73.07 Wash, 100 lks. wide, 4 ft. deep, course N. 70° W..
 75.77 The cor. of secs. 17, 18, 19 and 20.
 Land, gently rolling.
 Soil, sandy clay, 1st rate.
 Undergrowth, greasewood, cat claw, palo verde and cholla and sahuaro cactus.

N. 0° 3' W., bet. secs. 17 and 18..

Over nearly level land; thru heavy undergrowth.
 1.00 Wash, 50 lks. wide, 3 ft. deep, course S. 85° W..
 7.90 Wash, 40 lks. wide, 3 ft. deep, course S. 80° W..
 39.00 Wash, 100 lks. wide, 3 ft. deep, course S. 85° W..
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

1/4

S 18 | S 17

1919

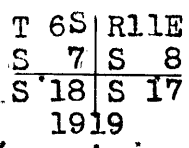
from which .

A mesquite, 12 ins. diam., bears S. 15° E., 59 lks. dist., marked 1/4 S 17 B T.
 A mesquite, 10 ins. diam., bears N. 84 1/2° W., 32 lks. dist., marked 1/4 S 18 B T.

Subdivision of T. 6 S. R. 11 E.

Chains.
57.30
71.90
80.00

Wash, 50 lks. wide, 4 ft. deep, course W.
Wash, 15 lks. wide, 3 ft. deep, course N. 85° W.
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. for secs. 7, 8, 17 and 18, with brass cap marked.



dig pits, 18x18x12 ins. in each sec. 5½ ft. dist.
Land, nearly level.
Soil, sandy loam, 1st rate.
Timber, scattering palo verde and mesquite.
Undergrowth, greasewood, cat claw, and cholla and sahuaro cactus.

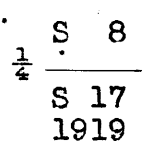
40.00
80.04

N. 89° 57' E., on random line bet. secs. 8 and 17.
Set temp. ¼ sec. cor.
Intersect N. and S. line, 2 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence
S. 89° 56' W., on true line bet. secs. 8 and 17.
Over nearly level land thru heavy undergrowth.

20.00
32.00
40.02

Wash, 10 lks. wide, 1 ft. deep, course S. 75° W.
Wash, 15 lks. wide, 2 ft. deep, course N. 85° W. (Same)
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.



from which
A palo verde, 4 ins. diam., bears S. 46½° E., 75 lks. dist., marked "¼ S 17 B T."
A mesquite, 12 ins. diam., bears S. 53° E., 8 lks dist., marked "B T."
No other tree available; dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.

46.00
77.00
80.04

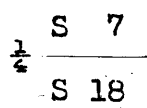
Bend of same wash, 10 lks. wide, 1 ft. deep, from NE., course N. 85° W.
Road, bears N. 40° W. and S. 40° E.
The cor. of secs. 7, 8, 17 and 18.
Land, nearly level.
Soil, sandy loam, 1st rate.
Timber, small scattering palo verde and mesquite.
Undergrowth, greasewood, cat claw, and cholla and sahuaro cactus.

40.00
75.70

S. 89° 51' W., on random line bet. secs. 7 and 18.
Set temp. ¼ sec. cor.
Intersect the W. bdy. of the Tp., (2nd Guide Mer. E.) 7 lks. N. of the reestablished cor. of secs. 7 and 18, hereinbefore described. Thence,

N. 89° 49' E., on true line bet. secs. 7 and 18.
Over nearly level land; thru heavy undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

35.70



dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
Wash, 10 lks. wide, 1 ft. deep, course S. 70° W.
The cor. of secs. 7, 8, 17 and 18.
Land, nearly level.
Soil, sandy loam, 1st rate.

65.90
75.70

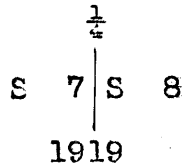
Subdivision of T. 6 S. R. 11 E.

Chains.

Timber, scattering small palo verde and mesquite.
Undergrowth, greasewood; cat claw and cholla and sahuaro cactus.

N. 0° 3' W., bet. secs. 7 and 8.
Over gently rolling land; thru thick undergrowth.

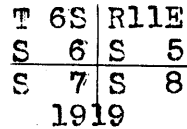
- 3.60 Old road, bears N. 70° W. and S. 70° E.
- 9.10 Wash, 10 lks. wide, 1 ft. deep, course W.
- 26.90 Wash, 10 lks. wide, 2 ft. deep, course W.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



from which

- A mesquite, 8 ins. diam., bears N. 26 $\frac{1}{2}$ ° E., 101 lks. dist., marked $\frac{1}{4}$ S 8 B T.
- A mesquite, 8 ins. diam., bears S. 11° 20' W., 141 lks. dist., marked $\frac{1}{4}$ S 7 B T.

- 47.50 Main wash, 50 lks. wide, course W.
- 57.30 Wash, 10 lks. wide, course W.
- 66.40 Wash, 25 lks. wide, 3 ft. deep, course N. 70° W.
- 75.20 Wash, 10 lks. wide, 2 ft. deep, course W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap marked.



from which

- A mesquite, 8 ins. diam.; bears N. 16° W., 155 lks; dist.; marked T 6 S R 11 E S 6 B T.
- No other trees available; dig pits, 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist.

Land, gently rolling desert.
Soil; sandy loam and granite, 2nd rate.
Small timber, scattering mesquite.
Undergrowth, palo verde, cat claw, buck thorn, broom weed and cholla cactus.

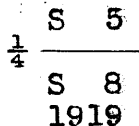
N. 89° 56' E., on random line bet. secs. 5 and 8.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence

S. 89° 55' W., on true line bet. secs. 5 and 8:
Over nearly level land; thru heavy undergrowth and scattering small timber.

- 2.60 Wash, 75 lks. wide, 3 ft. deep, course N. 70° W.
- 22.00 Wash, 15 lks. wide, 2 ft. deep, course N. 60° W.
- 40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.

- 80.02 The cor. of secs. 5, 6, 7 and 8.
Land, nearly level.
Soil, sandy clay, 1st rate.
Small timber, scattering mesquite and palo verde.
Undergrowth, cat claw; greasewood and cholla and sahuaro cactus.

Subdivision lines of Township 6 South, Range 11 East.

41.

Chains.

40.00 S. 89° 48' W., on random line, bet. secs. 6 and 7.
 Set temp. ¼ sec.cor.
 75.67 Intersect the W. bdy.of the Tp. (2nd Guide Meridian East)
 at the reestablished cor.of secs. 6 and 7, hereinbe-
 fore described.

Thence,
 N.89°48'E., on true line, bet. secs.6 and 7.
 Over gently rolling land, thru. dense undergrowth.
 9.67 Wash, 15 lks.wide, course NW.
 23.37 Wash,15 lks.wide, course NW.
 35.67 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for ¼ sec.cor., with brass cap, marked

S 6
 ¼
 S 7
 1919

48.17 Dig pits, 18x18x12 ins.E.and W.of post, 3 ft.dist.
 75.67 Shallow wash, 40 lks.wide, course N.70°W.
 The cor.of secs.5,6,7 and 8.
 Land, gently rolling.
 Soil, mixture of granite and sand, 2nd rate.
 Undergrowth, palo verde, catclaw, cholla and sahuaro
 cactus.
 Grass poor.

17.17 N.0°3'W., on true line, bet. secs.5 and 6.
 35.40 Over gently rolling land, thru. dense undergrowth.
 40.00 Wash, 20 lks.wide, 1½ ft. deep, course N.80° W.
 Wash, 30 lks.wide, 2 ft. deep, course N.80° W.
 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
 the ground, for ¼ sec.cor., with brass cap, marked

¼
 S 6 | S 5
 1919

46.00 Dig pits, 18x18x12 ins., N.and S. of post, 3 ft. dist.
 52.70 Wash, 30 lks.wide, 2 ft. deep, course W.
 59.50 Trail, brs.NW. and SE.
 69.79 Wash, 30 lks.wide, 2 ft. deep, course W.
 Intersect the 1st Standard Parallel South, at a point
 24.53 chs. W. from reestablished standard cor.of
 secs.32 and 33, T.5 S., R.11 E., hereinbefore de-
 scribed. At point of intersection,
 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for closing cor.of secs.5 and 6, with
 brass cap, marked

T5S R11E
 S32
 S 6 | S 5
 T6 S | R11E
 C | C
 1919

Dig pits, 24x18x12 ins. crosswise on each line, E., W. and
 S. of post, 4 ft. dist.
 Land, gently sloping west.
 Soil, sandy loam, mixed with granite formation, 2nd rate.
 Undergrowth, greasewood, palo verde, catclaw, rosin weed,
 and cholla and sahuaro cactus.
 Timber, none. Grass poor.

GENERAL DESCRIPTION:

<u>LAND:</u>	Rolling desert and granite hills connected by low divides with Black Mountain Group. General drainage to the west. Approximate elevation, from 1800 to 3500 ft. above sea level.
<u>SOIL:</u>	On slopes of hills, rocky and decomposed granite, 4th rate; subsoil, rocky, mixed with sandy loam, about 2 ft. to bedrock. In the valleys and bottoms, the land is very rich sandy loam, medium texture, and of strong quality.
<u>TIMBER:</u>	Some large mesquite and ironwood, of value for posts only.
<u>UNDERGROWTH:</u>	Palo verde, catclaw, mesquite, greasewood, buck thorn, dwarf oak, rosin and tumble weed, ocotilla and Yarpa Bueno, cholla and sahuaro cactus. The undergrowth is dense throughout the township.
<u>MINERAL:</u>	Formation of granite and quartz outcroppings. A 70 ft. shaft has been sunk in sec. 2, at the Del Rio Mining Company property, where they have indications of copper.
<u>WATERING PLACES:</u>	A dam 500 ft. long, 8 ft. high, has been built on a wash in sec. 22, for reservoir purposes, but there is very little water in it. No other water in the township that I know of.
<u>SETTLEMENT:</u>	A settler at the "96 Ranch" in sec. 22.
<u>INDUSTRY:</u>	This township is suitable for grazing purposes chiefly.
<u>GRASS:</u>	Scattering filiree and bunch grass.
<u>SPECIAL:</u>	The State Highway from Florence to Tucson cuts thru. SW. corner.

Final Test of Instruments Nos. 8592 and 8248.
 We examine the adjustments of the transits and find them in first class shape; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

June 15, 1919: At our camp in sec. 15, T. 7 S., R. 11 E., G. and S. R. B. and M., in lat. $32^{\circ}49\frac{1}{2}'$ N., long. $111^{\circ}11\frac{1}{2}'$ W., at 2 hrs. 5.4 m., a.m., l.m.t., we observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack driven in a stake, 5 chs. N. of our station. We lay off the azimuth of Polaris, $1^{\circ}20\frac{1}{2}'$ to the west, and mark the true meridian thus determined by a tack in a stake, 5 chs. N. of our station.

At 9 hrs. 0 m., a.m., l.m.t., we place each transit on the meridian, and set off $32^{\circ}49\frac{1}{2}'$ N. on the lat. arcs; $23^{\circ}17\frac{1}{2}'$ N. on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian; the resulting reading of the decl. arcs is $23^{\circ}18'$ N., which is the computed decl. of the sun.

At 3 hrs. 0 m., a.m., l.m.t., with the lat. arcs unchanged, we set off $23^{\circ}18\frac{1}{2}'$ N. on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

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

Final Test of Instruments Nos. 8592 and 8148.
 We examine the adjustments of the transits and find them in first class shape; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

Dec. 24, 1919: At our camp in sec. 22, T. 6 S., R. 11 E., G. and S. R. B. and M., in lat. $32^{\circ}53\frac{1}{2}'$ N., long. $111^{\circ}11\frac{1}{2}'$ W., at 1 hr. 22.4 m., a.m., l.m.t., we observe Polaris at western elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, by a tack driven in a stake, 5 chs. N. of our station. We lay off the azimuth of Polaris, $1^{\circ}20'$ to the east, and mark the true meridian thus determined by a tack in a stake, firmly driven in the ground, five chs. N. of our station.

At 9 hrs. 0 m., a.m., l.m.t., we set off $32^{\circ}53\frac{1}{2}'$ N. on the lat. arcs; $23^{\circ}24\frac{1}{2}'$ S. on the decl. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian; the resulting reading of the decl. arcs is $23^{\circ}25'$ S., in each case; which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs unchanged, we set off $23^{\circ}25'$ S. on the decl. arcs, and determine a meridian with each solar, which in each case agrees with the true meridian.

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

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4-680

BOOK 3438

FIELD ASSISTANTS. to

William D. Wilson - U.S. Transitman

NAMES.	CAPACITY.
Frank Owen	1st Chainman
Raymond Nettleship	2nd Chainman
Peter Wilchinsky	2nd Chainman
William Williams	Cornerman and Axeman.
John Rogers	Cornerman
Bryan J. Smith	Axeman
James Maher	Axeman and Flagman.
Edward Mansfield	Flagman.

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CERTIFICATE OF UNITED STATES TRANSITMAN.

BOOK 438

I, William D. Wilson, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 81 Arizona bearing date of the 6th day of February, 1918, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of

the Subdivision lines of

Township 6 South, Range 11 East

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 81 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Date Feb. 21, 1921 Place Phoenix, Ariz.

William D. Wilson U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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

U. S. Surveyor General.

4-680

FIELD ASSISTANTS.*to*

William H. Thorn - U.S. Cadastral Engineer.

NAMES.	CAPACITY.
<i>James E. Wilson</i>	<i>1st Chainman</i>
<i>Benjamin J. Kinsey</i>	<i>1st Chainman</i>
<i>Julious Owen</i>	<i>2nd Chainman</i>
<i>Homer Pepper</i>	<i>2nd Chainman</i>
<i>Manfred Owen</i>	<i>Cornerman</i>
<i>George Ambrose</i>	<i>Axeman</i>
<i>E. E. Wright</i>	<i>Axeman</i>
<i>H. Dunagan</i>	<i>Axeman</i>
<i>Thomas Griffen</i>	<i>Flagman</i>
<i>Wiley M. Fentress</i>	<i>Flagman</i>

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BOOK 3488
48

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, William H. Thorn, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 81 Arizona

bearing date of the 6th day of February, 1918, 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, resurveyed all those parts or portions of

the First Standard Parallel South in Range 11 East and

the West Boundary of T. 6 S., R. 11 E. (2nd Guide Mer. E.)

and surveyed all those parts or portions of

the Subdivision lines of

Township 6 South, Range 11 East of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in

the foregoing field notes ^{and by diagram on page 1 hereof} as having been executed by me, and under my direction; and that all the corners of said 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 81 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 T 2 S R 29 E Q 3 R D 1/4 M William H. Thorn
U.S. Cadastral Engineer.

Date May 16 1921

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona May 23 1921.

The foregoing field notes of the resurvey of

the First Standard Parallel South thru Range 11 East and

the West Boundary of Township 6 South, Range 11 East (2nd Guide Mer. E.)

and of the survey of the

Subdivision lines of

Township 6 South Range 11 East

of the Gila and Salt River Base and Meridian, in the State of Arizona.

executed by William H. Thorn, U.S. Cadastral Engineer and William D. Wilson, U.S. Transitman

under special instructions dated February 6, 1918 for Group 81 Arizona, 1918, 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.

Frank D. Smith
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in

has been correctly copied from the original notes on file in this office.

U. S. Surveyor General