

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4276

FIELD NOTES
OF SURVEY OF

South boundary of T. 10 S., R. 10 W.,

East boundary of T. 11 S., R. 4 W.,

West boundary of T. 11 S., R. 16 W.,

West and North boundaries of T. 12 S., R. 16 W.,

South and North boundaries of T. 13 S., R. 9 W.,

and

West and North boundaries of T. 13 S., R. 16 W.

Of the Gila and Salt River Meridian,

In the State of ARIZONA.

EXECUTED BY

Benjamin J. Kinsey

Cadastral Engineer

and Associate Cadastral Engineer

Under special instructions dated October 27, 1939, which provided for the surveys included under Group No. 230 Arizona, bearing the approval of the Commissioner of the General Land Office under date of November 7, 1939 and assignment instructions dated November 4, 1940 and December 20, 1941.

Survey commenced December 28, 1940 and January 15, 1942.

Survey completed February 1, 1941 and February 3, 1942.

4276

INDEX DIAGRAM.

Township _____, *Range* _____

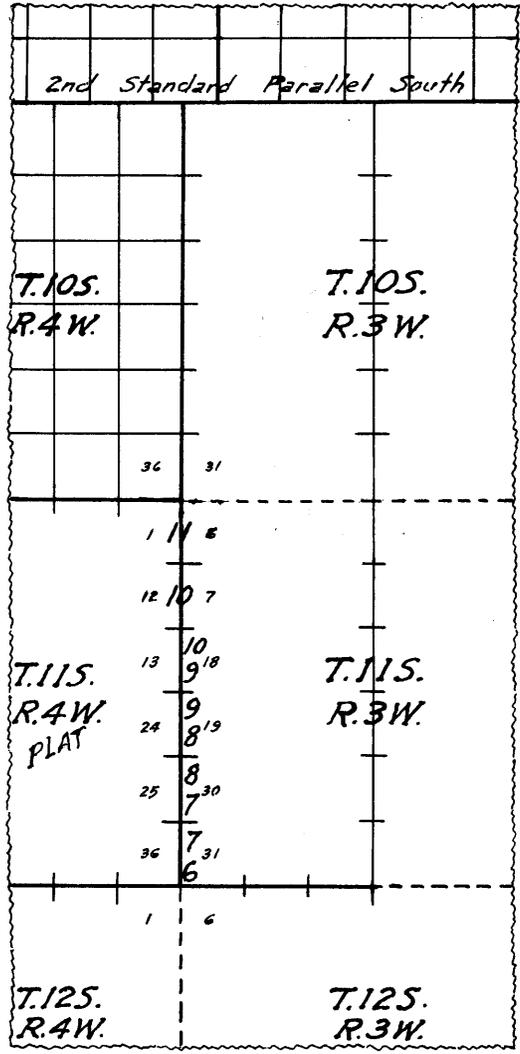
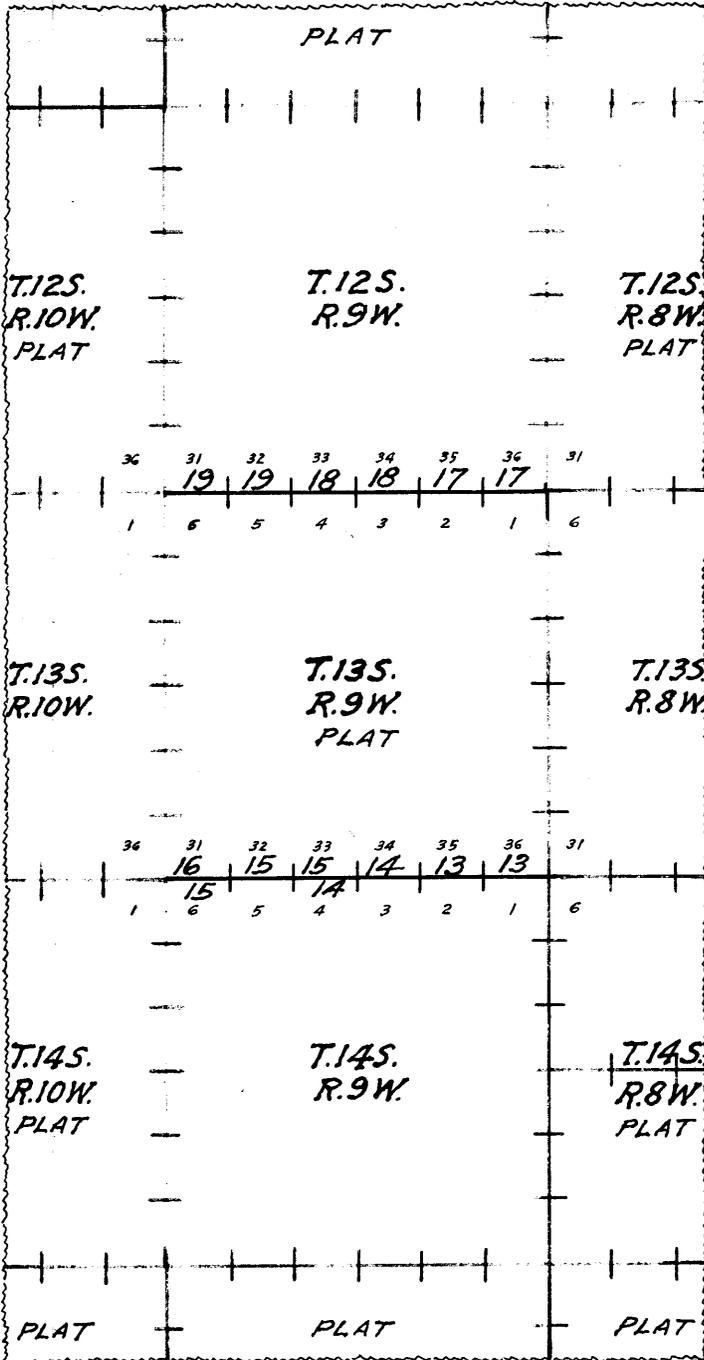
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• Book "H" GROUP 230, ARIZONA •

BOOK 4210

~ INDEX
DIAGRAM ~

No. 1

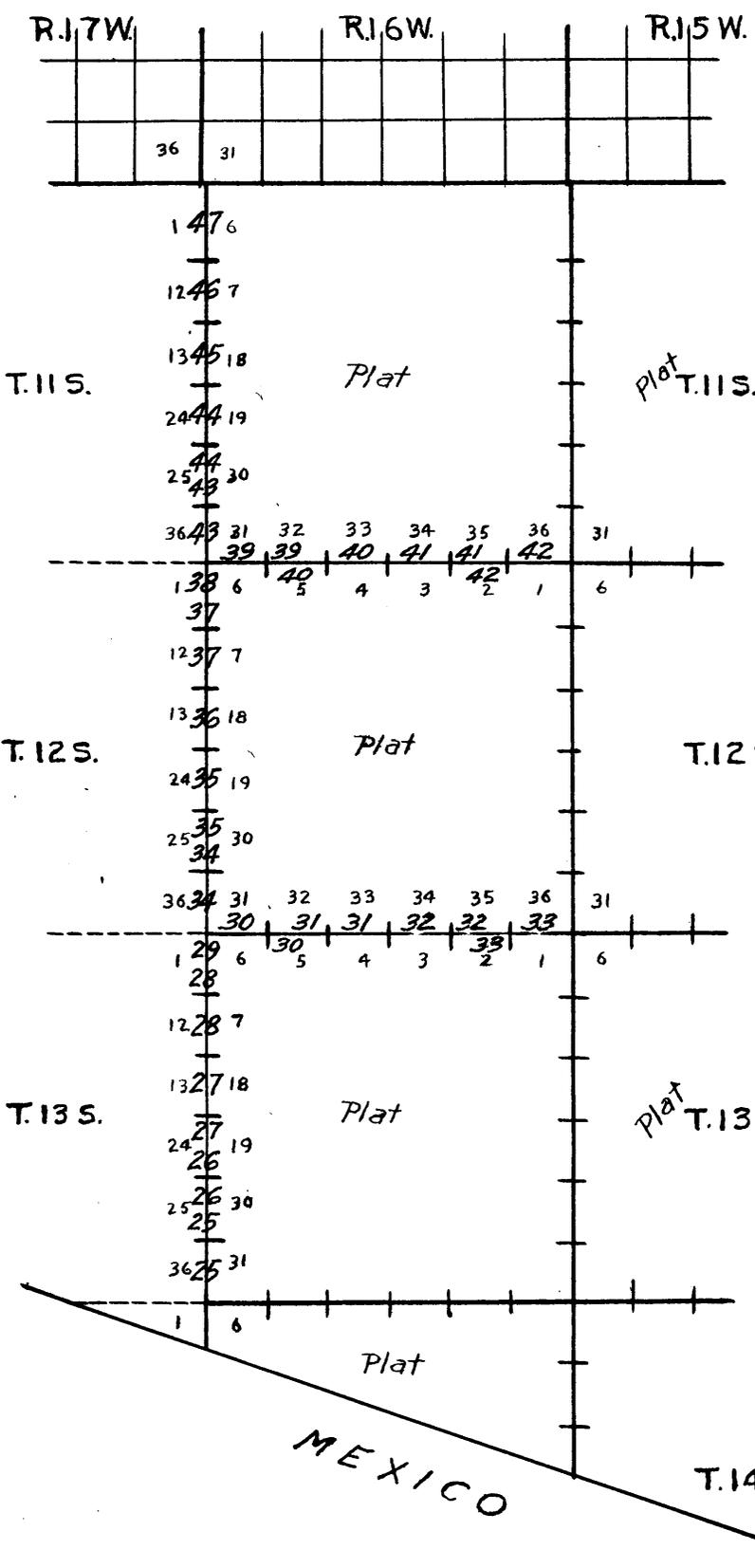
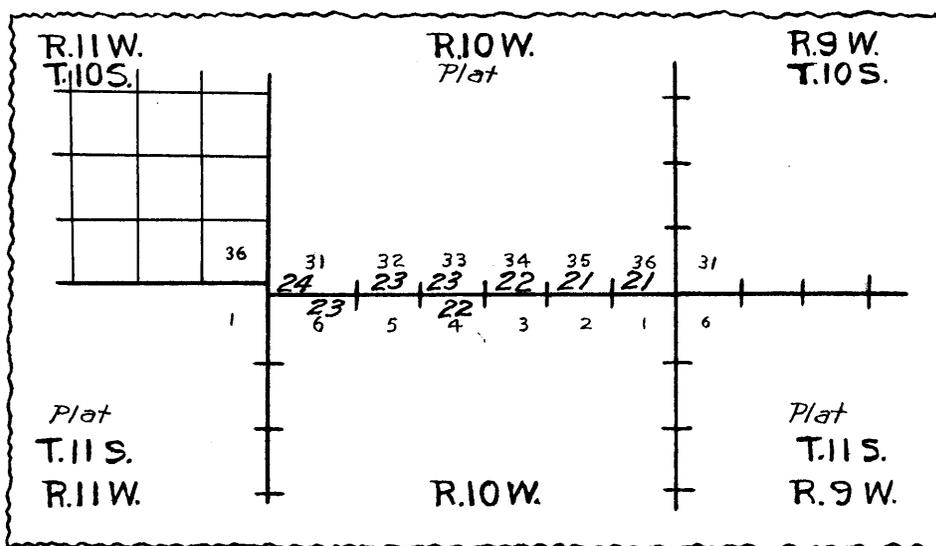


BOOK 4210

- Lines of accepted surveys.
- Unsurveyed Township boundaries.
- + + + Township bdrs. surveyed under this group, field notes herein.
- + + + Township bdrs. & sub. lines surv. under this group, field notes in Book "D".
- + + + Township bdrs. surveyed under this group, field notes in Book "E".
- + + + Township bdrs. surveyed under this group, field notes in Book "F".

Book "H" GROUP 230, ARIZONA

INDEX
DIAGRAM
No. 2



- 4276
- Lines of accepted surveys.
- - - Unsurveyed Township boundaries.
- + + + Township bdrs. surveyed under this group, field notes herein.
- + + + Township bdrs. surveyed under this group, field notes in Book "F."
- + + + Township bdrs. surveyed under this group, field notes in Book "G."

BOOK 4276

1C

The surveys herein described were executed by Benjamin J. Kinsey, Cadastral Engineer, using Buff and Buff transit No. 18000. This instrument is equipped with an improved Smith solar attachment, and otherwise conforms to the standard specifications of the General Land Office. The instrument was examined and tested by the District Cadastral Engineer for Arizona and California prior to the beginning of the surveys of this group, and was approved conditional upon satisfactory results of field tests of same.

The azimuths of all of the lines of survey herein described were determined with the solar attachment.

All measurements were made with Lufkin and Lallie steel tapes, 5 chs. in length, graduated every link for the first 100 lks., and the remainder at intervals of 10 lks. The tapes were tested by comparison with a Lufkin standard tape and found correct. All of the measurements were made on the slope, the vertical angle of each interval determined with a clinometer in good adjustment, and the horizontal equivalents entered in the field notes.

PRELIMINARY FIELD TESTS OF INSTRUMENT.

December 12, 1940; at station in camp in unsurveyed T.13 S., R.15 W., Gila and Salt River meridian, Ariz., which, when said township is surveyed will be near the $\frac{1}{2}$ sec. cor. of secs. 7 and 18,; latitude (approx.) $32^{\circ}18'N.$; longitude (approx.) $113^{\circ}51'W.$; examine the adjustments of Buff and Buff transit No.18000 and find no errors, then, to test the solar apparatus of same by comparison of its indications with a true meridian, proceed as follows:

December 13, 1940; at 2h. 15m., a.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions and marking the mean point in the line thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at western elongation = $1^{\circ} 11' 52''$.

At 7h. 00m., a.m., lay off the azimuth of Polaris $1^{\circ}12'$ to the east and mark a point in the true meridian thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

December 29, 1940; at same station, at 9h. 00m., a.m., app.t., set off $32^{\circ}18'N.$ on the lat. arc; $23^{\circ}10\frac{1}{2}'S.$ on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian and obtain a reading of $23^{\circ}11'S.$ on the decl. arc, which agrees with computed decl. of the sun.

At 3h. 00m., p.m., app.t., with the lat. arc unchanged; set off $23^{\circ}09\frac{1}{2}'S.$ on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, at the beginning of the surveys executed with same in the period December 28, 1940 to Feb. 4, 1941, herein described.

January 11; 1942; at station in camp in unsurveyed T.13 S., R.8 W., Gila and Salt River meridian, Ariz., which, when surveyed will be near the cor. of secs. 9, 10, 15 and 16; latitude (approx.) $32^{\circ}18'$; longitude (approx.) $113^{\circ}05'W.$, examine the adjustments of Buff and Buff transit No. 18000 and find no errors. Then, to test the solar apparatus of same by comparison of its indications with a true meridian, proceed as follows:

January 12, 1942; at 0h. 17m., a.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and marking the mean point in the line thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at eastern elongation = $1^{\circ}11'27''$.

At 7h. 00m., a.m., lay off the azimuth of Polaris $1^{\circ}11\frac{1}{2}'$ to the east and mark a point in the true meridian thus determined by a nail in a stake driven firmly in ground about 5 chs. North.

At 9h. 00m., a.m., app.t., set off $32^{\circ}18'N.$ on the lat. arc; $21^{\circ}38'S.$ on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian and obtain a reading of $21^{\circ}38'S.$ on the decl. arc, which agrees with computed decl. of the sun.

At 3h. 00m., p.m., app.t., with the lat. arc unchanged; set off $21^{\circ}36'S.$ on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within $1'$ of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, prior to beginning the surveys executed with same in the period January 15, 1942 to February 3, 1942, which are described in the field notes herein.

Survey: East Boundary of T. 11 S., R. 4 W.

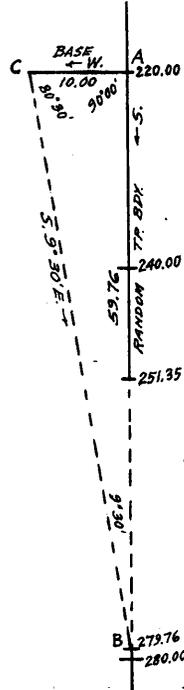
Chains

From the cor. of T. 10 S., R. 4 W., (S.E.Cor.), South, on random line, setting temp. cors. at 40 ch. intervals.

220.00 Triang. point "A". Continue chaining.

240.00 Set temp. cor. of secs. 13, 18, 19, and 24.

251.35 Discontinue chaining at this point, owing to precipitous slopes and cliffs ahead, and triangulate measurement of random line to point beyond top of cliffs as follows:



Set flag "B" ahead on random line.

From triang. point "A" at 220.00 ch. station on random line chain a base 10.00 chs. West to point "C" from which the flag "B" bears S. 9° 30' E.

Vertical angle from "A" to "B": +7° 35'

Included angles of triangle "A-B-C" are: 90° 00', 9° 30', and 80° 30'; the sum of which is 180° 00'.

Chained dist. on random line to triang. point "A" = 220.00 chs.

Triang. dist. on random line from "A" to "B" = 59.76 "

Total dist. on random line from Tp. cor. to "B" = 279.76 chs.

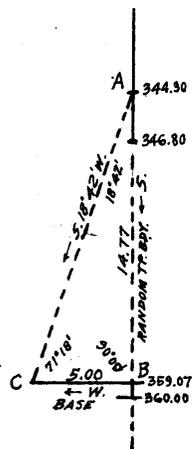
279.76 Triang. point "B". Resume chaining and continue line and measurement.

280.00 Set temp. $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

320.00 Set temp. cor. of secs. 19, 24, 25, and 30.

344.30 Triang. point. Continue chaining.

346.80 Discontinue chaining at this point, owing to precipitous descent over cliffs facing SW. Triangulate measurement across cliffs as follows:



Designate 344.30 ch. station on random line as triang. point "A".

Set flag "B" ahead on random line, the vertical angle to which is -17 $\frac{3}{4}$ °.

From "B" chain a base 5.00 chs. west to point "C", which bears S. 18° 42' W. from triang. point "A".

Included angles of triangle "A-B-C" are: 18° 42', 90° 00', and 71° 18'; the sum of which is 180° 00'.

Chained and triang. dist. on random line to "A" = 344.30 chs.

Triang. dist. "A" to "B" = 14.77 "

Total dist. on random line, Tp. cor. to "B" = 359.07 chs.

Survey: East Boundary of T. 11 S., R. 4 W.

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Chains	Chains	
	43.29	Chain measurement East, 10.00 chs. to point on random line at
440.00		Set temp. $\frac{1}{4}$ sec. cor. of secs. 31 and 36, and return to 43.29 ch. station on offset line, from which continue measurement, South.
	83.09	Offset point on Tp. bdy. bet. Ts. 11 and 12 S., R. 4 W.
		Thence
		East, 10.00 chs. on offset line and Tp. bdy., to end of random Tp. bdy. at
479.80		Intersect E. and W. line 30 lks. W. of the cor. of Ts. 11 and 12 S., Rs. 3 and 4 W., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone S. No bearing trees. This cor. is alongside a wire fence bearing E. and W. constructed by the U.S. Indian Service along the bdy. of Papago Indian Reservation.
		Thence
		N. $0^{\circ} 02'$ W., on true line, bet. secs. 31 and 36.
		Over mountainous land, thru scattering timber and undergrowth. Measurement by offset line, to avoid cliffs and precipitous slopes, as follows:
		West, along Tp. bdy., bdy. of Papago Indian Reservation, and wire fence. Asc. 30 ft. over E. slope.
	1.00	Ridge, bears N. and S.; desc. 60 ft. over W. slope.
	5.00	Foot of ridge, bears N. and S.; Enter gently rolling land. Desc. gradually over W. slope.
	10.30	Offset point.
		Thence
		North, on offset line, thru sec. 36.
		Over gently rolling land, thru scattering timber and undergrowth. Asc. gradually over W. slope.
	4.35	Wash, 15 lks. wide, course S. 80° W. from E. Enter heavily rolling and mountainous land. Asc. 144 ft. over S. slope.
	17.80	Spur, slopes W.; desc. 18 ft. over N. slope.
	19.70	Wash, 10 lks. wide, course W.; asc. 25 ft. over S. slope.
	30.00	Spur, slopes W.; desc. 26 ft. over N. slope.
	38.00	Wash, 10 lks. wide, course W.; asc. 42 ft. over S. slope to
	40.00	Point on offset line from which chain measurement East, 10.275 chs. to point on true Tp. bdy. and establish the $\frac{1}{4}$ sec. cor. of secs. 31 and 36 as hereinafter described.

Survey: East Boundary of T. 11 S., R. 4 W.

6

Chains	Chains
	Continue measurement on offset line thru sec. 36, Asc. 29 ft. over S. slope.
42.74	Spur, slopes W., and triang. point "B" of triang. hereinbefore described. Top of cliffs on true boundary bears S. 36° 30' E. Continue chaining, desc. 190 ft. over N. slope.
59.40	Bottom of gulch, 40 lks. wide, course W. Asc. 283 ft. over S. slope to
80.00	Foot of cliffs, bearing NW. and SE., facing SW. Discontinue chaining. Measurement to top of cliffs by triangulation hereinbefore described. Asc. about 100 ft. over SW. face of cliffs to
83.09	Offset point in sec. 25, and triangulation pt. "A". Thence East on offset line in sec. 25, chaining measure- ment, from offset point and triang. point "A". Asc. 116 ft. over precipitous, broken SW. slope.
5.76	Top of sharp, rocky ridge or divide, bears NW. and SE. Desc. 107 ft. over steep NE. slope to
10.25	Intersect the true E. bdy. of T. 11 S., R. 4 W., at a point 3.09 chs. N. 0° 02' W. from point for cor. of secs. 25, 30, 31, and 36. From point of intersection, chain measurement, S. 0° 02' E., 3.09 chs. and establish the cor. of secs. 25, 30, 31, and 36 as hereinafter described.
	The following notes describe the approximate topography, establishment of the $\frac{1}{4}$ sec. cor., and sec. cor., on the true Tp. bdy. bet. secs. 31 and 36; From cor. of Ts. 11 and 12 S., Rs. 3 and 4 W., N. 0° 02' W., on true line, bet. secs. 31 and 36. Over mountainous land, thru scattering timber and under- growth. Asc. along steep SW. slope.
26.00	Top of cliffs and broken shelf on ridge from E. The top of ridge is about 10.00 chs. east and 200 ft. above shelf. Line point is about 860 ft. above Tp. cor. Desc. about 500 ft. over series of cliffs facing NW.
38.00	Gulch, course W. heads about 7 chs. east. Asc. over steep SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S36. † S31 1942

Survey: East Boundary T. 11 S., R. 4 W.

7

Chains																
	No bearing trees available.															
	This cor. is 157 ft. above 40 ch. station on offset line, 10.275 chs. W.															
	Asc. over steep SW. slope to															
42.75	Spur, slopes W., near head of same. Desc. about 200 ft. over precipitous NW. slope.															
50.00	Asc. over precipitous, broken W. slope.															
73.50	Foot of nearly vertical cliffs, bearing NW. and SE., facing SW. Asc. about 250 ft. over cliffs to															
79.80	Top of ridge or divide, bears NW. and SE.; Begin chaining and continue line and measurement. Desc. 20 ft. over steep NE. slope to															
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for cor. of secs. 25, 30, 31, and 36, with brass cap marked															
	<table style="margin: auto;"> <tr><td></td><td>T11S</td><td></td></tr> <tr><td>R4W</td><td> </td><td>R3W</td></tr> <tr><td>S25</td><td> </td><td>S30</td></tr> <tr><td>S36</td><td> </td><td>S31</td></tr> <tr><td></td><td>1942</td><td></td></tr> </table>		T11S		R4W		R3W	S25		S30	S36		S31		1942	
	T11S															
R4W		R3W														
S25		S30														
S36		S31														
	1942															
	No bearing trees available.															
	Land, mountainous. Soil, rocky, 4th rate. Timber, ironwood and paloverde. Undergrowth, greasewood and cacti. Scattering sahuaro cactus.															
	N. 0° 02' W., on true line, bet. secs. 25 and 30.															
	Over mountainous land, thru scattering timber and undergrowth. Desc. 28 ft. over NE. slope.															
3.09	Offset point. Continue line and measurement by chaining.															
3.20	Rim, bears E. and W.; desc. 128 ft. over steep, broken N. slope.															
8.80	Bottom of gulch, course E.; asc. 325 ft. over SE. slope to															
20.00	Spur, slopes E.; asc. 54 ft. over steep S. slope.															
21.83	Top of rocky butte, in spur. Desc. 30 ft. over N. slope to															
23.00	Top of cliffs, bearing NE. and W., facing N. Discontinue chaining. Measurement by triangulation hereinbefore described. Desc. about 350 ft. over face of cliffs.															
30.00	(Approx.) Foot of cliffs, bearing E. and W.; desc. about 320 ft. over steep N. slope to															
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for ¼ sec. cor., with brass cap marked															

Survey: East Boundary T. 11 S., R. 4 W.

8

Chains

$\begin{array}{c} \uparrow \\ \text{S25} \quad | \quad \text{S30} \\ \downarrow \\ 1942 \end{array}$

No bearing trees available.

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

Resume chaining and continue line and measurement.

Desc. 25 ft. over N. slope.

43.00 Wash, 30 lks. wide, course W. in bottom of canyon.
Asc. 163 ft. over broken S. slope to

48.00 Foot of cliffs, bearing NW. and SE., facing SW.
Discontinue chaining. Measurement by triangulation
hereinbefore described. Asc. about 175 ft. over cliffs
to

53.00 Top of cliffs, bears NW. and SE. Resume chaining and con-
tinue line and measurement. Asc. 85 ft. over SW. slope.

69.40 Spur, slopes N. 70° W.; desc. 197 ft. over NE. slope.

78.10 Wash, 20 lks. wide, course N. 80° W.; asc. 40 ft. over
SW. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on exposed
bedrock, over a cross (X) chiseled thereon, and in a
mound of stone to top, for cor. of secs. 19, 24, 25, and
30, with brass cap marked

$\begin{array}{c} \text{T11S} \\ \text{R4W} \quad | \quad \text{R3W} \\ \text{S24} \quad | \quad \text{S19} \\ \text{S25} \quad | \quad \text{S30} \end{array}$

1942

No bearing trees available.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, paloverde and ironwood.

Undergrowth, greasewood and cacti.

Scattering sahuaro cactus.

N. 0° 02' W., on true line, bet. secs. 19 and 24.

Over mountainous land, thru scattering undergrowth. Asc.
31 ft. over SW. slope.

7.00 Spur, slopes NW.; desc. 69 ft. over NE. slope.

11.60 Head of wash, course NE.; asc. 126 ft. over SE. slope

23.60 Spur, slopes E.; desc. 110 ft. over NE. slope.

30.00 Draw, course E.; asc. 36 ft. over SE. slope.

34.59 Spur, slopes E.; desc. 107 ft. over NE. slope to

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

$\begin{array}{c} \uparrow \\ \text{S24} \quad | \quad \text{S19} \\ \downarrow \\ 1942 \end{array}$

Survey: East Boundary T. 11 S., R. 4 W.

Chains	<p>Desc. 107 ft. over NE. slope to</p> <p>45.00 Top of cliffs, bearing NW. and SE., facing NE. Discontinue chaining. Measurement by triangulation bet. 40.04 ch. station of this mile and 19.80 ch. station of following mile, as hereinbefore described. Desc. about 350 ft. over cliffs and precipitous NE. slope to</p> <p>50.00 (Approx.) Wash, 20 lks. wide, in gulch, course NE., near head. Asc. about 100 ft. over broken SE. slope.</p> <p>60.00 (Approx.) Spur, slopes NE., near point of same. Desc. about 150 ft. over N. slope.</p> <p>68.45 Wash, 10 lks. wide, course NW. Resume chaining and continue line and measurement. Enter gently rolling land. Asc. gradually over SW. slope.</p> <p>71.65 Low spur, slopes NW. Road, bears NW. and E. Desc. gradually over NE. slope.</p> <p>72.22 Natural gas pipe line, bears E. and W., from Casa Grande to Ajo.</p> <p>78.00 Wash, 40 lks. wide, course NW., with banks 30 ft. high. Asc. 30 ft. over S. slope to</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 13, 18, 19, and 24, with brass cap marked</p> <div style="text-align: center;"> <p>T11S</p> <table border="1"> <tr> <td>R4W</td> <td>R3W</td> </tr> <tr> <td>S13</td> <td>S18</td> </tr> <tr> <td>S24</td> <td>S19</td> </tr> </table> <p>1942</p> </div> <p>Land, mountainous, broken and gently rolling. Soil, rocky, 4th rate. Timber, none. Undergrowth, greasewood, cacti, scrub paloverde, and ironwood. Scattering sahuaro cactus.</p> <hr/> <p>N. 0° 02' W., on true line, bet. secs. 13 and 18. Over gently rolling land, thru scattering undergrowth. Asc. 20 ft. over S. slope to</p> <p>4.00 Rim of mesa, bears E. and W. Thence over nearly level land on mesa.</p> <p>34.00 Rim of mesa, bears E. and W. Leave mesa. Enter rolling land. Desc. 60 ft. over NE. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked</p> <div style="text-align: center;"> <p>S13 S18</p> <p>1942</p> </div> <p>Desc. 83 ft. over NE. slope.</p>	R4W	R3W	S13	S18	S24	S19
R4W	R3W						
S13	S18						
S24	S19						

Survey: East Boundary T. 11 S., R. 4 W.

10

Chains									
52.00	Wash, 40 lks. wide, course NW.; asc. 100 ft. over SW. slope.								
63.00	Spur, slopes NW.; desc. 75 ft. over N. slope.								
66.70	Wash, 20 lks. wide; course NW.; asc. 30 ft. over SW. slope.								
70.00	Point of spur, slopes W.; desc. 25 ft. over NW. slope.								
74.70	Wash, 10 lks. wide, course W.; asc. 22 ft. over SW. slope to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 7, 12, 13, and 18, with brass cap marked								
	<table border="1"> <tr><td colspan="2">T11S</td></tr> <tr><td>R4W</td><td>R3W</td></tr> <tr><td>S12</td><td>S7</td></tr> <tr><td>S13</td><td>S18</td></tr> </table>	T11S		R4W	R3W	S12	S7	S13	S18
T11S									
R4W	R3W								
S12	S7								
S13	S18								
	1942								
	Land, gently to heavily rolling, and nearly level. Soil, rocky, 4th rate. Timber, none. Undergrowth, greasewood, cacti, scrub paloverde, and ironwood. Scattering sahuaro cactus.								
	N. 0° 02' W., on true line bet. secs. 7 and 12. Over mountainous land, thru scattering undergrowth. Asc. 576 ft. over general SW. slope to top of butte.								
17.00	Spur, slopes SW.								
37.60	Thence across rocky, nearly level top of butte.								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked								
	<table border="1"> <tr><td colspan="2">$\frac{1}{4}$</td></tr> <tr><td>S12</td><td>S7</td></tr> </table>	$\frac{1}{4}$		S12	S7				
$\frac{1}{4}$									
S12	S7								
	1942								
	Continue across top of butte.								
40.30	Leave top of butte. Desc. 365 ft. over steep, broken NE. slope.								
56.00	Wash, 10 lks. wide, course NE. Enter rolling land. Desc. gradually over E. slope.								
62.00	Spur, slopes NE.; desc. 42 ft. over NW. slope.								
67.40	Wash, 20 lks. wide, course NE.; asc. 20 ft. over SE. slope.								
71.30	Point of spur, slopes E.; desc. 12 ft. over NE. slope.								
73.00	Wash, 10 lks. wide, course E.; asc. 51 ft. over S. slope to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, for cor. secs. 1, 6, 7, and 12, with								

Survey: East Boundary T. 11 S., R. 4 W.

11

Chains

brass cap marked

T11S	
R4W	R3W
S1	S6
S12	S7

1942

Land, mountainous, broken and rolling.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, greasewood, cacti, scrub paloverde, and ironwood.

Scattering sahuaro cactus.

N. 0° 02' W., on true line, bet. secs. 1 and 6.

Over rolling land, thru scattering undergrowth.

Asc. 44 ft. over S. slope.

7.66 Spur, slopes E.; desc. 30 ft. over N. slope.

12.80 Draw, course E.; asc. 35 ft. over S. slope.

17.40 Spur, slopes E. Enter mountainous land.
Desc. 327 ft. over steep N. slope.30.40 Wash, 20 lks. wide, course NW.; asc. 138 ft. over SW.
slope to40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
ground to bedrock, with a stone marked with a cross (X)
deposited at base, and in a mound of stone to top, for
 $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S1		S6
	1942	

Asc. 103 ft. over steep SW. slope.

42.50 Spur, slopes NW., near point of same. Desc. 54 ft. over
NW. slope.46.00 Draw, course W., from SE., near head. Asc. 60 ft. over SW
slope.

51.60 Spur, slopes W. from SE.; desc. 150 ft. over NE. slope.

61.80 Wash, 20 lks. wide, course W.; near head. Asc. 138 ft.
over SW. slope.

67.40 Ridge, bears NW. and SE.; desc. 70 ft. over NE. slope.

74.70 Spur, slopes N. 5° E.; desc. 113 ft. over NW. slope to

79.80 Intersect the cor. of T. 10 S., R. 4 W., (S.E. Cor.), estab-
lished under current Group No. 225, which is an iron
post 3 ins. in diam., projecting 8 ins. above ground,
firmly set in ground and marked on brass cap for refer-
ence to one Tp., and witnessed by a mound of stone NW.
As this cor. monument now refers to Ts. 10 and 11 S.,
Rs. 3 and 4 W., add marking to the brass cap to read

T10S	
R4W	R3W
S36	S31
S1	S6

T11S
1942
1939

Land, rolling and mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood, cacti, scrub paloverde, and
ironwood.
Scattering sahuaro cactus.

BOOK 4276

Survey: South Boundary of T. 13 S., R. 9 W.

13

Chains	
	<p>From the cor. of Ts. 13 and 14 S., Rs. 8 and 9 W., a flag is visible on the cor. of Ts. 13 and 14 S., Rs. 9 and 10 W., on a due West bearing, therefore a random line is not required preliminary to the survey of South Boundary of T. 13 S., R. 9 W.</p> <p>The cor. of Ts. 13 and 14 S., Rs. 8 and 9 W., established under this group, is an iron post, 3 ins. in diam., projecting 9 ins. above ground, firmly set, properly marked on brass cap, and witnessed as described in field notes of survey of West Boundary of T. 14 S., R. 8 W.</p> <p>Thence, West, bet. secs. 1 and 36.</p> <p>Over nearly level land, thru scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ $\frac{S36}{S1}$ 1942 </p> <p>Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.</p>
46.00	Wash, 10 lks. wide, course N.; asc. gradually over NE. slope.
73.00	Low ridge, bears NW. and SE.; desc. gradually over SW. slope to
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 1, 2, 35, and 36, with brass cap marked</p> <p style="text-align: center;"> T13S R9W S35 S36 S2 S1 T14S 1942 </p> <p>Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy, 2nd rate. Timber, none. Undergrowth, greasewood, cacti, and scrub paloverde. Very scattering sahuaro cactus.</p>
	<p>West, bet. secs. 2 and 35.</p> <p>Over nearly level land, thru scattering undergrowth.</p>
27.50	Enter Growler Wash overflow land and dense undergrowth, bears NW. and SE., draining NW. There is no well defined channel of the Growler Wash in crossing this line.
31.80	Road, bears NW. and SE.
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ $\frac{S35}{S2}$ 1942 </p> <p>Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.</p> <p>Continue across Growler Wash overflow land, draining NW., thru dense undergrowth.</p>

Survey: South Boundary of T. 13 S., R. 9 W.

14

Chains	
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 2, 3, 34, and 35, with brass cap marked</p> <p style="text-align: center;">T13S R9W $\frac{S34}{S3} \mid \frac{S35}{S2}$ T14S 1942</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy, 2nd rate. Timber, none. Undergrowth, greasewood, scrub paloverde, and cacti. Very scattering sahuaro cactus.</p>
29.00	<p>West, bet. secs. 3 and 34.</p> <p>Over nearly level overflow land of Growler Wash, bearing NW. and SE., draining NW., thru dense undergrowth.</p> <p>Leave overflow land of Growler Wash and dense undergrowth, bears NW. and SE.</p> <p>Continue over nearly level land, thru scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4} \frac{S34}{S3}$ 1942</p> <p>Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 3, 4, 33, and 34, with brass cap marked</p> <p style="text-align: center;">T13S R9W $\frac{S33}{S4} \mid \frac{S34}{S3}$ T14S 1942</p> <p>Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy loam, 2nd rate. Timber, none. Undergrowth, greasewood, cacti, scrub paloverde, and ironwood. Very scattering sahuaro cactus.</p>
15.00	<p>West, bet. secs. 4 and 33.</p> <p>Over nearly level land, thru scattering undergrowth.</p> <p>Asc. gradually over N.E. slope.</p> <p>Low ridge, bears NW. and SE. Desc. gradually over SW. slope.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in</p>

Survey: South Boundary of T. 13 S., R. 9 W.

Chains

ground, for 1/4 sec. cor., with brass cap marked

1/4 S33
S4
1942

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

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 4, 5, 32, and 33, with brass cap marked

T13S R9W
S32 | S33
S5 | S4
T14S
1942

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

Land, nearly level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood, cacti, scrub paloverde, and ironwood.
Very scattering sahuaro cactus.

West, bet. secs. 5 and 32.

Over nearly level land, thru scattering undergrowth.

40.00

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

1/4 S32
S5
1942

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

Asc. gradually over E. slope.

66.00

Low ridge, bears N. and S. Desc. gradually over W. slope.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 5, 6, 31, and 32, with brass cap marked

T13S R9W
S31 | S32
S6 | S5
T14S
1942

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

Land, nearly level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood, cacti, scrub paloverde, and ironwood.
Very scattering sahuaro cactus.

West, bet. secs. 6 and 31.

Over nearly level land, thru scattering undergrowth.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S31}{S6}$
1942

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

78.86 Intersect the cor. of Ts. 13 and 14 S., Rs. 9 and 10 W., established under this group, which is an iron post, 3 ins. in diam., projecting 8 ins. above ground, firmly set, properly marked on brass cap, and witnessed by four pits, one each E., W., N., and S. of cor., 3 ft. dist.

Land, nearly level.

Soil, sandy, 2nd rate.

Timber, none.

Undergrowth, greasewood, scrub paloverde, and ironwood, and cacti.

Very scattering sahuaro cactus.

Survey: North Boundary of T. 13 S., R. 9 W.

17

Chains

From the cor. of Ts. 12 and 13 S., Rs. 8 and 9 W., a flag is visible on the cor. of Ts. 12 and 13 S., Rs. 9 and 10 W., on a due West bearing, therefore a random line is not required preliminary to survey of North boundary of T. 13 S., R. 9 W.

The cor. of Ts. 12 and 13 S., Rs. 8 and 9 W., established under this group, is an iron post, 3 ins. in diam., projecting 9 ins. above ground, firmly set, marked on brass cap, and witnessed by four pits, one each E., W., N., and S. of cor., 3 ft. dist.

Thence West, bet. secs. 1 and 36.

Over nearly level land, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S36}{S1}$$

1942

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

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 1, 2, 35 and 36, with brass cap marked

$$\begin{array}{c} T12S R9W \\ S35 | S36 \\ S2 | S1 \end{array}$$

T13S
1942

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

Land, nearly level.

Soil, sandy, 2nd rate.

Timber, none.

Undergrowth, greasewood, scrub palo verde, and ironwood, and cacti.

Very scattering sahuaro cactus.

West, bet. secs. 2 and 35.

Over nearly level land, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S35}{S2}$$

1942

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

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 2, 3, 34, and 35, with brass cap marked

$$\begin{array}{c} T12S R9W \\ S34 | S35 \\ S2 | S2 \end{array}$$

T13S
1942

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

Survey: North Boundary of T. 13 S., R. 9 W.

18

Chains	<p>Land, nearly level. Soil, sandy, 2nd rate. Timber, none. Undergrowth, greasewood, scrub palo verde, and ironwood, and cacti. Very scattering sahuaro cactus.</p>
	<p>West, bet. secs. 3 and 34.</p> <p>Over nearly level land, thru scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S34}{S3}$ 1942</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 3, 4, 33, and 34, with brass cap marked</p> <p style="text-align: center;">T12S R9W $\frac{S33}{S4} \frac{S34}{S3}$ T13S 1942</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy loam, 2nd rate. Timber, none. Undergrowth, greasewood, scrub palo verde and ironwood, and cacti. Very scattering sahuaro cactus.</p>
	<p>West, bet. secs. 4 and 33.</p> <p>Over nearly level land, thru scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S33}{S4}$ 1942</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 4, 5, 32, and 33, with brass cap marked</p> <p style="text-align: center;">T12S R9W $\frac{S32}{S5} \frac{S33}{S4}$ T13S 1942</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy, 2nd rate. Timber, none.</p>

Chains

Undergrowth, greasewood and cacti.
Very scattering sahuaro cactus.

West, bet. secs. 5 and 32.

Over nearly level land, thru scattering undergrowth.

6.80 Road, bears northerly to Tony's Well and southerly to Bates Well.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S32}{S5}$$

1942

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

53.00 E. edge of Growler Wash, bears N. and S. Thence across said wash, course N.

62.90 W. edge of Growler Wash, bears N. and S., leave wash.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 5, 6, 31, and 32, with brass cap marked

$$\begin{array}{c} T12S R9W \\ S31 | S32 \\ \hline S6 | S5 \\ T13S \\ 1942 \end{array}$$

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

Land, nearly level.

Soil, sandy loam, 2nd rate.

Timber, none.

Undergrowth, greasewood, cacti, scrub paloverde, and ironwood.

Very scattering sahuaro cactus.

West, bet. secs. 6 and 31.

Over nearly level land, thru scattering undergrowth.

14.60 Shallow wash, course S. 80° E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S31}{S6}$$

1942

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

78.67 Intersect the cor. of Ts. 12 and 13 S., Rs. 9 and 10 W., established under this group, which is an iron post, 3 ins. in diam., projecting 9 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone S. of cor.

Land, nearly level.

Soil, sandy loam, 2nd rate.

Timber, none.

Survey: North Boundary of T. 13 S., R. 9 W.

<p>Undergrowth, greasewood, scrub paloverde, and ironwood, and cacti. Very scattering sahuaro cactus.</p>

Survey: South Boundary of T. 10 S., R. 10 W.

21

Chains

From the Cor. of Ts. 10 and 11 S., Rs. 9 and 10 W., a flag is visible on the cor. of Ts. 10 and 11 S., R. 10 W., on a due West bearing, therefore a random line is not required preliminary to the survey of South Boundary of T. 10 S., R. 10 W.

The cor. of Ts. 10 and 11 S., Rs. 9 and 10 W., established under this group, is an iron post, 3 ins. in diam., projecting 9 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone S.

Thence

West, bet. secs. 1 and 36.

Over nearly level land, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S36}{S1}$$

1942

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

80.00 Set an iron post, 2 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 1, 2, 35, and 36, with brass cap marked

$$\begin{array}{c} T10S R10W \\ S35 | S36 \\ \hline S2 | S1 \end{array}$$

T11S
1942

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

Land, nearly level.

Soil, sandy, 3d rate.

Timber, none.

Undergrowth, greasewood, scrub paloverde, and cacti.

Very scattering sahuaro cactus.

West, bet. secs. 2 and 35.

Over nearly level land, thru scattering undergrowth.

30.00 Center of overflow land 5.00 chs. wide, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S35}{S2}$$

1942

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

58.40 Dim road, bears NE. and SW.

65.00 Enter overflow land, bears NW. and SE., draining NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 2, 3, 34, and 35, with brass cap marked

$$\begin{array}{c} T10S R10W \\ S34 | S35 \\ \hline S3 | S2 \end{array}$$

T11S
1942

Survey: South Boundary of T. 10 S., R. 10 W.

22

Chains	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy, 2d rate. Timber, none. Undergrowth, greasewood, scrub paloverde and mesquite, and cacti. Very scattering sahuaro cactus.</p> <hr/> <p>West, bet. secs. 3 and 34.</p> <p>Over nearly level overflow land, bears NW. and SE., draining NW., thru scattering undergrowth.</p> <p>11.70 Road, bears S. 20° W. to Tony's Well, about 30 chs. dist., and N. to Ajo-Yuma road.</p> <p>20.40 Dim road, bears NW. and SE.</p> <p>29.40 Main channel Growler Wash, 300 lks. wide, 3 ft. banks, course N. 30° W. Continue across overflow land.</p> <p>40.00 Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S34}{S3}$</p> <p style="text-align: center;">1942</p> <p>Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.</p> <p>Continue over overflow land draining N.W.</p> <p>74.00 Leave overflow land, bears NW. and SE.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 3, 4, 33, and 34, with brass cap marked</p> <p style="text-align: center;">T10S R10W $\frac{S33}{S4} \mid \frac{S34}{S3}$ T11S 1942</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy 3d rate. Timber, none. Undergrowth, greasewood, scrub paloverde, and cacti. Very scattering sahuaro cactus.</p> <hr/> <p>West, bet. secs. 4 and 33.</p> <p>Over nearly level land, thru scattering undergrowth:</p> <p>4.80 Dim road, bears N. and S.</p> <p>31.00 Dim road, bears N. and S.</p> <p>36.50 Wash, 10 lks. wide, course N.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S33}{S4}$</p> <p style="text-align: center;">1942</p>
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Chains	Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.										
53.60	Wash, 10 lks. wide, course N.										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 4, 5, 32, and 33, with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2">T10S R10W</td></tr> <tr><td>S32</td><td>S33</td></tr> <tr><td>S5</td><td>S4</td></tr> <tr><td colspan="2">T11S</td></tr> <tr><td colspan="2">1942</td></tr> </table>	T10S R10W		S32	S33	S5	S4	T11S		1942	
T10S R10W											
S32	S33										
S5	S4										
T11S											
1942											
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.										
	Land, nearly level. Soil, sandy 3d rate. Timber, none. Undergrowth, greasewood, and scrub paloverde and cacti. Very scattering sahuaro cactus.										
	West, bet. secs. 5 and 32.										
	Over nearly level land, thru scattering undergrowth.										
19.70	Wash, 20 lks. wide, course N.										
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>$\frac{1}{4}$</td><td>S32</td></tr> <tr><td></td><td>S5</td></tr> <tr><td colspan="2">1942</td></tr> </table>	$\frac{1}{4}$	S32		S5	1942					
$\frac{1}{4}$	S32										
	S5										
1942											
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.										
60.20	Wash, 10 lks. wide, course N.										
68.50	Wash, 10 lks. wide, course N.										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 5, 6, 31, and 32, with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2">T10S R10W</td></tr> <tr><td>S31</td><td>S32</td></tr> <tr><td>S6</td><td>S5</td></tr> <tr><td colspan="2">T11S</td></tr> <tr><td colspan="2">1942</td></tr> </table>	T10S R10W		S31	S32	S6	S5	T11S		1942	
T10S R10W											
S31	S32										
S6	S5										
T11S											
1942											
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.										
	Land, nearly level. Soil, sandy, 3d rate. Timber, none. Undergrowth, greasewood, and scrub paloverde and cacti. Very scattering sahuaro cactus.										
	West, bet. secs. 6 and 31.										
	Over nearly level land, thru scattering undergrowth.										
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>$\frac{1}{4}$</td><td>S31</td></tr> <tr><td></td><td>S6</td></tr> <tr><td colspan="2">1942</td></tr> </table>	$\frac{1}{4}$	S31		S6	1942					
$\frac{1}{4}$	S31										
	S6										
1942											

Survey: South Boundary of T. 10 S., R. 10 W.

24

80.00 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for cor. of Lots 11 and 12 of Sec. 31, and Lots 4 and 5 of sec. 6, with brass cap marked

	S31	
L11		L12
LS		LS
	S6	
	1942	

110.60 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Intersect the cor. of Ts. 10 and 11 S., R. 10 W., established under this group, which is an iron post, 3 ins. in diam., projecting 8 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone E. of cor. This cor. is on E. bdy. of T. 11 S., R. 11 W., at a point 17.58 chs. S. from the cor. of Ts. 10 and 11 S., R. 11 W.

Land, nearly level.
Soil, sandy and gravelly, 3d rate.
Timber, none.
Undergrowth, greasewood, scrub paloverde, and ironwood and cacti.
Very scattering sahuaro cactus.

Survey: West Boundary of T. 13 S., R. 16 W.

25

Chains From the cor. of Ts. 13 and 14 S., Rs. 16 and 17 W., established under this group, as described in field notes of survey of S. Bdy. of T. 13 S., R. 16 W., North, bet. secs. 31 and 36.

Over nearly level land, draining northeasterly, thru scattering undergrowth.

1.60 Road, bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S36 | S31
1941

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

69.80 Wash, 10 lks. wide, course NW. Thence over nearly level northwesterly slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 25, 30, 31, and 36, with brass cap marked

T13S
R17W | R16W
S25 | S30
S36 | S31
1941

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

A V-shaped pass in Tinajas Altas Mts., bears S. 80° W., about 4 ms. distant.

A black butte bears N. 63° E., about 4 m. dist.

International Bdy. monument No. 189 bears S. 33° 54' W.

Land, nearly level.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde and ironwood, and cacti.

Scattering sahuaro cactus.

North, bet. secs. 25 and 30.

Over nearly level land, draining northwesterly, thru scattering undergrowth.

8.90 Wash, 50 lks. wide, course N. 70° W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S25 | S30
1941

Dig pits 18x18x12 ins., one each N. and S. of cor., 3 ft. dist.

Raven Butte, on E. edge of the Tinajas Altas Mts., bears N. 43° W. about 12 m. dist.

Survey: West Boundary of T. 13 S., R. 16 W.

26

Chains									
	A white peak in same mts. bears N. $77^{\circ} 37'$ W. about $4\frac{1}{2}$ m. dist.								
	A black hill bears N. $68^{\circ} 25'$ E. about $4\frac{1}{2}$ m. dist.								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 19, 24, 25, and 30, with brass cap marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T13S</td></tr> <tr><td style="text-align: center;">R17W</td><td style="text-align: center;">R16W</td></tr> <tr><td style="text-align: center;">S24</td><td style="text-align: center;">S19</td></tr> <tr><td style="text-align: center;">S25</td><td style="text-align: center;">S30</td></tr> </table>	T13S		R17W	R16W	S24	S19	S25	S30
T13S									
R17W	R16W								
S24	S19								
S25	S30								
	1941								
	Dig pits 18x18x12 ins., one each NE, SE, SW, and NW. of cor., 3 ft. dist.								
	A white peak in the Tinajas Altas Mts., bears N. $83\frac{1}{2}^{\circ}$ W., about $4\frac{1}{2}$ m. dist.								
	A black peak in Mexico bears S. $53^{\circ} 17'$ W.								
	Cabeza Prieta Peak bears N. $83^{\circ} 07'$ E.								
	Land, nearly level.								
	Soil, sandy, 3d rate.								
	Timber, none.								
	Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti.								
	Scattering sahuaro cactus.								
	North, bet. secs. 19 and 24.								
	Over nearly level land, draining southwesterly, thru scattering undergrowth.								
15.80	Wash, 10 lks. wide, course SW.								
31.80	Wash, 10 lks. wide, course SW.								
36.40	Wash, 10 lks. wide, course SW.								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">$\frac{1}{4}$</td></tr> <tr><td style="text-align: center;">S24</td><td style="text-align: center;">S19</td></tr> </table>	$\frac{1}{4}$		S24	S19				
$\frac{1}{4}$									
S24	S19								
	1941.								
	Dig pits 18x18x12 ins., one each N. and S. of cor., 3 ft. dist.								
	A black peak in Mexico bears S. 50° W.								
	Cabeza Prieta Peak bears N. $86^{\circ} 18'$ E.								
50.00	Road, bears NW. and SE. Extends southeasterly to Tule Well and westerly to Tinajas Altas Tanks.								
58.40	Low divide, bears northeasterly and southwesterly between the Tinajas Altas Mountains to the SW., and the southwestern hills of the Cabeza Prieta Mountains to the NE. North of this divide the drainage is northerly thru the Coyote Wash into the Gila River, and southerly from the divide the drainage is southerly into Mexico.								

Survey: West Boundary of T. 13 S., R. 16 W.

BOOK 4276

27

Chains

63.60 Wash, 5 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 13, 18, 19, and 24, with brass cap marked

T13S	
R17W	R16W
S13	S18
S24	S19

, 1941

Dig pits 18x18x12 ins., one each NE, SE, SW, and NW of cor., 3 ft. dist.

A peak bears N. 44° 45' E. about 3¼ m. dist.

A low pass bears S. 47° W. about 4 m. dist.

A low pass in the Tinajas Altas Mts. bears N. 65° 35' W.

Cabeza Prieta Peak, bears N. 88° 26' E.

Land, nearly level.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood and cacti.

Scattering sahuaro cactus.

North bet. secs. 13 and 18.

Over nearly level land, draining northwesterly, thru scattering undergrowth.

6.30 Wash, 10 lks. wide, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for ¼ sec. cor., with brass cap marked

¼	
S13	S18

1941

Dig pits 18x18x12 ins., one each N. and S. of cor., 3 ft. dist.

A pass in the Tinajas Altas Mts. bears N. 69¼° W.

A peak bears N. 40° 05' E. about 3½ m. dist.

A monument on a peak in the Tinajas Altas Mts. bears S. 73° 10' W.

47.70 Wash, 10 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked

T13S	
R17W	R16W
S12	S7
S13	S18

1941

Dig pits 18x18x12 ins., one each NE, SE, SW, and NW of cor.

Survey: West Boundary of T. 13 S., R. 16 W.

28

Chains	<p>3 ft. dist.</p> <p>Cabeza Prieta Peak bears S. 84° 10' E.</p> <p>A monument on a peak in the Tinajas Altas Mts. bears S. 68° 03' W.</p> <p>Tinajas Altas Tanks bear S. 89° 24' W.</p> <p>Land, nearly level. Soil, sandy, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde and ironwood, and cacti. Scattering sahuaro cactus.</p>
	<p>North, bet. secs. 7 and 12.</p> <p>Over nearly level land, draining westerly, thru scattering undergrowth.</p> <p>35.20 Wash, 20 lks. wide, course W.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ S12 S7 1941</p> <p>Dig pits 18x18x12 ins., one each N. and S. of cor., 3 ft. dist.</p>
	<p>Continue over nearly level land, draining northwesterly.</p> <p>66.00 Wash, 10 lks. wide, course NW.</p> <p>80.00 Set an iron post, 2 ft. long, 2 ins. in diam., 24 ins. in ground, for cor. of secs. 1, 6, 7, and 12, with brass cap marked</p> <p style="text-align: center;">T13S R17W R16W S1 S6 S12 S7 1941</p> <p>Dig pits 18x18x12 ins., one each NE, SE, SW, and NW. of cor. 3 ft. dist.</p>
	<p>Land, nearly level. Soil, sandy 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood and cacti. Scattering sahuaro cactus.</p> <p>North, bet. secs. 1 and 6.</p> <p>Over nearly level land, draining northwesterly, through scattering undergrowth.</p> <p>2.60 Wash, 10 lks. wide, course NW.</p> <p>15.70 Wash, 30 lks. wide, course N. 70° W.</p> <p>22.30 Wash, 15 lks. wide, course S. 85° W.</p>

Survey: West Boundary of T. 13 S., R. 16 W.

BOOK 4276

29

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{c} \text{S1} \quad \uparrow \quad \text{S6} \\ \quad \quad \quad | \\ \quad \quad \quad 1941 \end{array}$$

Dig pits 18x18x12 ins., one each N. and S. of cor., 3 ft. dist.

69.20 Old road, bears NE. and NW.

77.00 Road, bears E. and W. Extends westerly to Coyote Well, (now dry), alongside Coyote Wash, about 3 m. dist., and thence westerly to Tinajas Altas Tanks about 7 m. dist.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 28 ins. in ground, for cor. of Ts. 12 and 13 S., Rs. 16 and 17 W., with brass cap marked

$$\begin{array}{c} \text{T12S} \\ \text{R17W} \quad | \quad \text{R16W} \\ \text{S36} \quad | \quad \text{S31} \\ \hline \text{S1} \quad | \quad \text{S6} \\ \text{T13S} \\ 1941 \end{array}$$

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

Raven Butte bears N. $61^{\circ} 12'$ W.

A granite peak bears N. $31^{\circ} 14'$ E. about $3\frac{1}{2}$ m. dist.

A gray butte in a pass in the Tinajas Altas Mts. bears N. $85^{\circ} 39'$ W., about 10 m. dist.

A mound of stone on Cabeza Prieta Peak bears S. $71^{\circ} 58'$ E.

A peak in Mexico near S. end of the Lechuguilla Mts. bears S. $15^{\circ} 51'$ E.

Land, nearly level.

Soil, sandy 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti.

Scattering sahuaro cactus.

Survey: North Boundary of T. 13 S., R. 16 W.

Chains	
	From the cor. of Ts. 12 and 13 S., Rs. 15 and 16 W., West, on random line, setting temp. cors. at 40 ch. intervals, and at
478.52	Intersect N. and S. line 28 lks. S. of the cor. of Ts. 12 and 13 S., Rs. 16 and 17 W., established under this group as hereinbefore described, Thence S. 89° 58' E., on true line, bet. secs. 6 and 31. Over nearly level land, draining northwesterly, thru scattering undergrowth.
16.40	Road, bears NE. and SW., in a wash, 100 lks. wide, course NW.
38.52	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \frac{S31}{S6}$ 1941 Raise a mound of stone, 4 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
78.52	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 5, 6, 31, and 32, with brass cap marked $\begin{array}{cc} T12S R16W \\ S31 & & S32 \\ S6 & & S5 \\ T13S \\ 1941 \end{array}$ Raise a mound of stone, 3 $\frac{1}{2}$ ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Land, nearly level. Soil, sandy, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde and ironwood, and cacti. Scattering sahuaro cactus.
	S. 89° 58' E., on true line bet. secs. 5 and 32. Over nearly level land, draining northwesterly, thru scattering undergrowth.
40.00	True point for $\frac{1}{4}$ sec. cor. is in a wash 30 lks. wide, in bend, course NW from NE, where it is impracticable to monument the cor., therefore establish witness cor. at 2.05 chs. S. 89° 58' E., as hereinafter described. Raven Butte bears N. 64 $\frac{3}{4}$ ° W. Tinajas Altas Tanks bears S. 72° 16' W. The NW. end of a range of granite mountains, bearing NW. and SE., bears N. 1° 20' E.
42.05	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked $WC \frac{1}{4} \frac{S32}{S5}$ 1941 Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

Survey: North Boundary of T. 13 S., R. 16 W.

4276

31

Chains											
48.40	Wash, 30 lks. wide, course NW.										
50.60	Wash, 20 lks. wide, course NW.										
55.70	Fork of same wash, 20 lks. wide, course NW.										
77.00	Foot of slope, bears N. and S. Enter mountainous land. Asc. 63 ft. over rocky W. slope to										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 4, 5, 32, and 33, with brass cap marked										
	<table border="1"> <tr> <td>T12S</td> <td>R16W</td> </tr> <tr> <td>S32</td> <td>S33</td> </tr> <tr> <td>S5</td> <td>S4</td> </tr> <tr> <td colspan="2" style="text-align: center;">T13S</td> </tr> <tr> <td colspan="2" style="text-align: center;">1941</td> </tr> </table>	T12S	R16W	S32	S33	S5	S4	T13S		1941	
T12S	R16W										
S32	S33										
S5	S4										
T13S											
1941											
	Land, W. 77 chs. nearly level; E. 3 chs. mountainous. Soil, sandy 3d rate in W. 77 chs.; rocky 4th rate in E. 3 chs. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.										
	S. 89° 58' E., on true line, bet. secs. 4 and 33. Over mountainous land, thru scattering undergrowth. Asc. 17 ft. over W. slope.										
0.55	Mound of stone on line.										
1.60	Spur, slopes S.; desc. 99 ft. over E. slope to										
11.50	Foot of slope, bears N. and S. Enter nearly level land.										
14.10	Wash, 40 lks. wide, course S. 70° W.										
29.00	Wash, 10 lks. wide, course NW.										
38.10	Wash, 15 lks. wide, course NW.										
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked										
	<table border="1"> <tr> <td>$\frac{1}{4}$</td> <td>S33</td> </tr> <tr> <td></td> <td>S4</td> </tr> <tr> <td colspan="2" style="text-align: center;">1941</td> </tr> </table>	$\frac{1}{4}$	S33		S4	1941					
$\frac{1}{4}$	S33										
	S4										
1941											
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.										
57.70	Road, bears NW. and SE.										
68.50	Foot of slope, bearing N. and S. Enter mountainous land. Asc. 448 ft. over steep W. slope.										
77.80	Top of peak in a ridge bearing NW. and SE. Desc. 102 ft. over broken NE. slope to										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 3, 4, 33, and 34, with brass cap marked										

Survey: North Boundary of T. 13 S., R. 16 W.

32

Chains

T12S R16W
 S33 | S34
 S4 | S3
 T13S
 1941

Land; nearly level, and mountainous.
 Soil, sandy 3d rate, and rocky 4th rate.
 Timber, none.
 Undergrowth, greasewood, sagebrush, scrub paloverde and
 ironwood and cacti.
 Scattering sahuaro cactus.

S. 89° 58' E. on true line, bet. secs. 3 and 34.

Over mountainous land, thru scattering undergrowth.

Desc. 85 ft. over steep NE. slope.

1.50 Bottom of gulch 20 lks. wide, course SE. Asc. 10 ft. over
 SW. slope.

3.70 Desc. gradually-over S. slope.

7.90 Spur, slopes SE; desc. 237 ft. over E. slope to

15.70 Foot of slope, bears N. and S. Enter nearly level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S34}{S3}$

1941

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

70.40 Foot of slope bears N. and S. Enter mountainous land.
 Asc. 190 ft. over W. slope.

76.00 Top of hill, bears NW. and SE.; desc. 133 ft. over E.
 slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in
 ground to bedrock, with a stone marked with a cross (X)
 deposited at base, and in a mound of stone to top, for
 cor. of secs. 2, 3, 34, and 35, with brass cap marked

T12S R16W
 S34 | S35
 S3 | S2
 T13S
 1941

Land, nearly level and mountainous.
 Soil, sandy, 3d rate, and rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood, sagebrush, scrub paloverde and
 ironwood and cacti.
 Scattering sahuaro cactus.

S. 89° 58' E., on true line bet. secs. 2 and 35.

Over mountainous land, thru scattering undergrowth.

Desc. 6 ft. over SE. slope.

1.50 Head of wash, course S.; asc. 70 ft. over SW. slope.

Survey: North Boundary of T. 13 S., R. 16 W.

33

Chains	
4.30	Spur, slopes S.; desc. 99 ft. over SE. slope.
15.00	Wash, 10 lks. wide, course S. Enter nearly level land.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S35 \\ S2 \end{array}$
	1941
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
76.00	Wash, 30 lks. wide, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 1, 2, 35, and 36, with brass cap marked
	$\begin{array}{cc} T12S R16W \\ S35 & S36 \\ S2 & S1 \\ T13S \\ 1941 \end{array}$
	Raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	Land, mountainous and nearly level. Soil, sandy, 3d rate, and rocky, 4th rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood. Scattering sahuaro cactus.
	S. 89° 58' E. on true line bet. secs. 1 and 36.
	Over nearly level land, thru scattering undergrowth.
8.00	Foot of slope bears NW. and SE. Enter mountainous land. Asc. 197 ft. over SW. slope.
15.20	Spur, slopes NW.; desc. 178 ft. over NE. slope to
25.00	Foot of slope, bears NW. and SE. Enter nearly level land.
37.20	Road, bears NW. and SE.; extends northwesterly to Wellton.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 36 \\ S 1 \end{array}$
	1941
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
42.80	Wash, 30 lks. wide, course NW.
61.60	Wash, 30 lks. wide, course SW. Enter mountainous land. Asc. 474 ft. over W. and SW. slopes to
80.00	Intersect the cor. of Ts. 12 and 13 S., Rs. 15 and 16 W., established under this group, as described in field notes of survey of W. Bdy. of T. 13 S., R. 15 W.
	Land, nearly level, and mountainous. Soil, sandy 3d rate and rocky 4th rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde and ironwood and cacti. Scattering sahuaro cactus.

Survey: West Boundary of T. 12 S., R. 16 W.

34

Chains

From the cor. of Ts. 12 and 13 S., Rs. 16 and 17 W., established under this group as hereinbefore described,

North, bet. secs. 31 and 36.

Over nearly level land, draining northwesterly, thru scattering undergrowth.

6.90 Wash, 30 lks. wide, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S36 | S31
 1941

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

Raven Butte bears N. $63\frac{3}{4}^{\circ}$ W.

A gray peak bears N. $35^{\circ} 08'$ E.

50.50 Wash, 40 lks. wide, 3 ft. deep, course NW.

57.40 Wash, 20 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 25, 30, 31, and 36, with brass cap marked

T12S
 R17W | R16W
 S25 | S30
 S36 | S31
 1941

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

Raven Butte bears N. $66\frac{1}{2}^{\circ}$ W.

Cabeza Prieta Peak bears S. $66^{\circ} 20'$ E.

Land, nearly level.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde and ironwood, and cacti.

Scattering sahuaro cactus.

North, bet. secs. 25 and 30.

Over nearly level land, draining northwesterly, thru scattering undergrowth.

2.20 Wash, 20 lks. wide, course NW.

9.40 Wash, 10 lks. wide, course NW. Enter gently rolling land. Asc. gradually over S.W. slope.

25.00 Low ridge, bears NW. and SE.; desc. gradually over NE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Survey: West Boundary of T. 12 S., R. 16 W.

4276

35

Chains

 $\frac{1}{4}$

S25 | S30

1941

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

A peak (a) bears N. 33° E.

A peak (b) bears N. 46° E.

Center peak in a group of three, bears N. 87° W., about
7 m. dist.

Thence over nearly level land, draining northwesterly.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in
ground, for cor. of secs. 19, 24, 25, and 30, with brass
cap marked

T12S

R17W	R16W
S24	S19
S 25	S30

1941

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

A peak (a) bears N. 39° E.

A peak (b) bears N. 53½° E.

Center peak in a group of three, bears S. 89° 08' W.

A white spot near S. end of Raven Butte, bears N. 74° 25' W.

A pass in the Tinajas Altas Mts. bears N. 71° W.

Land, nearly level and gently rolling.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde and
ironwood, and cacti.

Scattering sahuaro cactus.

North, bet. secs. 19 and 24.

Over nearly level land, draining northwesterly, thru
scattering undergrowth.40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$

S24 | S19

1941

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

44.20 Wash, 20 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in
ground, for cor. of secs. 13, 18, 19, and 24, with brass
cap marked

Survey: West Boundary of T. 12 S., R. 16 W.

36

Chains

T12S	
R17W	R16W
S13	S18
S24	S19

1941

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

A peak (a) bears N. $52^{\circ} 08'$ E.

N. end of Raven Butte bears N. 77° W.

A peak near Tinajas Altas Tanks bears S. $48^{\circ} 42'$ W.

A peak bears S. $63^{\circ} 37'$ E., about 3 m. dist.

Land, nearly level.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood and cacti.

Scattering sahuaro cactus.

North, bet. secs. 13 and 18.

Over nearly level land, draining northwesterly, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S13 S18
1941

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

Raven Butte bears N. $81^{\circ} 40'$ W.

Coyote Peak bears N. $14^{\circ} 46'$ W.

A peak (b) bears N. $86\frac{1}{4}^{\circ}$ E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked

T12S	
R17W	R16W
S12	S7
S13	S18

1941

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

A pass between the Gila Mts. and the Tinajas Altas Mts., bears N. 80° W.

A peak (b) bears S. 81° E.

Center peak in a group of three, bears S. $74^{\circ} 08'$ W.

A peak bears S. $36^{\circ} 25'$ E., about 5 m. dist.

Survey: West Boundary of T. 12 S., R. 16 W.

37

Chains	<p>Land, nearly level. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.</p>
	<p>North, bet. secs. 7 and 12.</p> <p>Over nearly level land, draining northwesterly, thru scattering undergrowth.</p>
22.50	Wash, 10 lks. wide, course NW.
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S12 S7 1941 </p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Raven Butte, bears N. $83\frac{1}{2}^\circ$ W. Coyote Peak, bears N. $16^\circ 40'$ W. A peak, (a), bears N. 89° E.</p>
61.00	Road, bears NW. and SE., extends northwesterly to Wellton.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 1, 6, 7, and 12, with brass cap marked</p> <p style="text-align: center;"> T12S R17W R16W S1 S6 S12 S7 1941 </p> <p>Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor. Coyote Peak bears N. 20° W. A peak (b) bears S. 77° E.</p> <p>Land, nearly level. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.</p>
	<p>North, bet. secs. 1 and 6.</p> <p>Over nearly level land, draining northwesterly, thru scattering undergrowth.</p>
12.30	Old road, bears NW. and SE.
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S1 S6 1941 </p>

Survey: West Boundary of T. 12 S., R. 16 W.

38

Chains Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.
S. end of Raven Butte bears S. 84° W.
Center peak in a group of three, bears S. $64^{\circ} 40'$ W.
North end of a peak bears S. $72^{\circ} 13'$ E., about 2 m. dist.

67.90 Road, bears NW. and SE.

72.20 Wash, 20 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 28 ins. in ground, for cor. of Ts. 11 and 12 S., Rs. 16 and 17 W., with brass cap marked

T11S	
R17W	R16W
S36	S31
S1	S6
T12S	
1941	

A peak (a) bears S. $53^{\circ} 38'$ E.

A peak (b) bears S. $43^{\circ} 08'$ E.

Buck Peak bears S. $57^{\circ} 17'$ E.

A high peak in the Gila Mts. bears N. $63^{\circ} 35'$ W.

Raven Butte bears S. $81^{\circ} 50'$ W.

Land, nearly level.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti.

Scattering sahuaro cactus.

Survey: North Boundary of T. 12 S., R. 16 W.

39

Chains	From the cor. of Ts. 11 and 12 S., Rs. 15 and 16 W., N. 89° 58' W., on random line, setting temp. cors. at 40 ch. intervals, and at
478.01	Intersect N. and S. line 28 lks. S. of the cor. of Ts. 11 and 12 S., Rs. 16 and 17 W., established under this group, as hereinbefore described. Thence S. 89° 56' E., on true line, bet. secs. 6 and 31. Over nearly level land, draining westerly, thru scattering undergrowth.
38.01	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \frac{S \ 31}{S \ 6}$ 1941 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
40.30	Wash, 10 lks. wide, course SW.
49.60	Wash, 20 lks. wide, course S. 70° W.
51.80	Dim road, bears NW. and SE.
58.00	Foot of slope, bears NW. and SE. Enter mountainous land. Asc. 75 ft. over SW. slope.
64.00	Ridge, bears NW. and SE.; desc. 65 ft. over NE. slope to
68.80	Foot of slope, bears NW. and SE. Enter gently rolling land. Desc. 25 ft. over NE. slope.
77.40	Enter nearly level land.
78.01	Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 5, 6, 31, and 32, with brass cap marked $\begin{array}{c} T11S \ R16W \\ \hline S31 \ \ S32 \\ \hline S6 \ \ S5 \\ T12S \\ 1941 \end{array}$ Land, nearly level, mountainous, and gently rolling. Soil, sandy and gravelly, 3d rate, and rocky, 4th rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.
	S. 89° 56' E., on true line bet. secs. 5 and 32. Over nearly level land, draining northwesterly, thru scattering undergrowth.
0.90	Wash, 10 lks. wide, course NW.
8.40	Dim road, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Survey: North Boundary of T. 12 S., R. 16 W.

40

Chains

$$\frac{1}{4} \frac{S \ 32}{S \ 5}$$
 1941

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

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 4, 5, 32, and 33, with brass cap marked

$$\begin{array}{c} T11S \ R16W \\ S32 \ | \ S33 \\ S5 \ | \ S4 \\ T12S \\ 1941 \end{array}$$

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.

Soil, sandy, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti.

Scattering sahuaro cactus.

S. 89° 56' E., on true line bet. secs. 4 and 33.

Over nearly level land, draining northwesterly, thru scattering undergrowth.

19.00 Foot of slope, bears NW. and S. Enter mountainous land. Asc. 74 ft. over W. slope.

24.00 Saddle in spur, sloping NW.; desc. 55 ft. over E. slope to

27.60 Foot of slope, bears NW. and SE. Enter nearly level land. Desc. slightly over NE. slope.

35.00 Wash, 25 lks. wide, course NW. Thence over slight northwesterly slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for ¼ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S \ 33}{S \ 4}$$
 1941

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

Continue over nearly level land, draining northerly.

47.90 Road, bears N. and S.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, with brass cap marked

$$\begin{array}{c} T11S \ R16W \\ S33 \ | \ S34 \\ S4 \ | \ S3 \\ T12S \\ 1941 \end{array}$$

Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.

Land, nearly level and mountainous.

Soil, sandy and gravelly, 3d rate.

Timber, none.

Undergrowth, greasewood, sagebrush, scrub paloverde, and

Survey: North Boundary of T. 12 S., R. 16 W.

41

Chains	ironwood, and cacti. Scattering sahuaro cactus.
	S. 89° 56' E., on true line bet. secs. 3 and 34. Over nearly level land, draining northerly, thru scattering undergrowth.
22.70	Wash, 25 lks. wide, course N. Enter gently rolling land. Asc. gradually over W. slope.
26.00	Low ridge, bears N. and S.; desc. gradually over E. slope.
32.00	Thence over nearly level land, draining northerly.
40.00	Set an iron post, 3 ft. long; 1 in. in diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S \ 34}{S \ 3}$ 1941 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. A high, black mountain bears S. 18° E., about 2 m. dist. A peak on the W. end of a black hill, bears N. 15° 40' E., about $3\frac{1}{4}$ m. dist. Buck Peak bears S. 9° 42' E., about 3 m. dist. A black peak bears S. 45 $\frac{1}{2}$ ° W., about 2 $\frac{1}{2}$ m. dist. Continue over nearly level land, draining northerly.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in ground, for cor. of secs. 2, 3, 34, and 35, with brass cap marked
	$\begin{array}{c} T11S \ R16W \\ S34 \ \ S35 \\ S3 \ \ S2 \\ T12S \\ 1941 \end{array}$ Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, nearly level and gently rolling. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.
	S. 89° 56' E.; on true line bet. secs. 2 and 35. Over nearly level land, draining northerly, thru scattering undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S35}{S2}$ 1941 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Survey: North Boundary of T. 12 S., R. 16 W.

42

Chains											
45.00	Wash, 10 lks. wide, course NW. Thence over slight northwesterly slope.										
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 1, 2, 35, and 36, with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>T11S</td><td>R16W</td></tr> <tr><td>S35</td><td>S36</td></tr> <tr><td>S2</td><td>S1</td></tr> <tr><td colspan="2">T12S</td></tr> <tr><td colspan="2">1941</td></tr> </table>	T11S	R16W	S35	S36	S2	S1	T12S		1941	
T11S	R16W										
S35	S36										
S2	S1										
T12S											
1941											
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.</p>										
	<p>S. 89° 56' E., on true line, bet. secs. 1 and 36.</p> <p>Over nearly level land, draining northwesterly, thru scattering undergrowth.</p>										
35.50	Old road, bears NW. and SE., extends northwesterly to Wellton.										
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>$\frac{1}{4}$</td><td>S36</td></tr> <tr><td></td><td>S 1</td></tr> <tr><td colspan="2">1941</td></tr> </table>	$\frac{1}{4}$	S36		S 1	1941					
$\frac{1}{4}$	S36										
	S 1										
1941											
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Enter gently rolling land. Asc. gradually over SW. slope.</p>										
46.00	Low ridge, bears NW. and SE.; desc. gradually over NE. slope.										
49.90	Wash, 10 lks. wide, course NE., near head. Thence over nearly level land draining northeasterly.										
70.80	Wash, 15 lks. wide, course N..										
80.00	Intersect the cor. of Ts. 11 and 12 S., Rs. 15 and 16 W., established under this group, as described in field notes of survey of East Boundary of T. 12 S., R. 16 W.										
	<p>Land, nearly level, and gently rolling. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.</p>										

Survey: West Boundary of T. 11 S., R. 16 W.

43

Chains	<p>From the cor. of Ts. 11 and 12 S., Rs. 16 and 17 W., established under this group, as hereinbefore described,</p> <p>North, bet. secs. 31 and 36.</p> <p>Over nearly level land, draining westerly, thru scattering undergrowth.</p> <p>0.20 Wash, 5 lks. wide, course W.</p> <p>17.70 Wash, 15 lks. wide, course SW. Thence over slight southwesterly slope.</p> <p>32.20 Wash, 10 lks. wide, course SW.</p> <p>37.00 Foot of slope bears NW. and SE. Enter rolling land. Asc. 15 ft. over SW. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> </div> <p>Asc. 19 ft. over SW. slope.</p> <p>44.40 Spur, slopes NW.; desc. 40 ft. over NE. slope.</p> <p>52.20 Head of draw, course W.; asc. 23 ft. over SW. slope</p> <p>58.40 Spur, slopes NW.; desc. 35 ft. over N. slope.</p> <p>69.70 Wash, 30 lks. wide, course S. 70° W. Thence over nearly level land, draining SE.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 25, 30, 31, and 36, with brass cap marked</p> <div style="text-align: center;"> </div> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level and rolling. Soil, sandy and gravelly, 3d rate, and rocky 4th rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde; and ironwood, and cacti. Scattering sahuaro cactus.</p>
	<p>North, bet. secs. 25 and 30.</p> <p>Over nearly level land, draining SE., thru scattering undergrowth.</p> <p>17.10 Wash, 10 lks. wide, course SE.</p> <p>33.90 Wash, 15 lks. wide, course SE.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in</p>

Survey: West Boundary of T. 11 S., R. 16 W.

44

Chains	<p>ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S25 S30 1941 </p> <p>Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.</p>						
51.60	Wash, 10 lks. wide, course SE. Enter gently rolling land. Asc. 23 ft. over S. slope.						
55.00	Spur, slopes SE.; desc. 29 ft. over NE. slope.						
60.00	Wash, 10 lks. wide, course SE. Thence over slight southeasterly slope.						
65.90	Wash, 10 lks. wide, course SE., joined at this point by a wash from N. 20° E. Asc. gradually over southerly slope.						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 19, 24, 25, and 30, with brass cap marked						
	<p>T11S</p> <table border="1"> <tr> <td>R17W</td> <td>R16W</td> </tr> <tr> <td>S24</td> <td>S19</td> </tr> <tr> <td>S25</td> <td>S30</td> </tr> </table> <p>1941</p>	R17W	R16W	S24	S19	S25	S30
R17W	R16W						
S24	S19						
S25	S30						
	<p>Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.</p> <p>Land, nearly level and gently rolling. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.</p>						
	<p>North, bet. secs. 19 and 24.</p> <p>Over gently rolling land, thru scattering undergrowth. Asc. gradually over southerly slope.</p>						
15.00	Low ridge, bears NW. and SE.; desc. slightly over NE slope to						
16.00	Wash, 50 lks. wide, course SE. Enter nearly level land draining easterly.						
35.00	Road, bears N. 1° E. and SW.						
36.60	Same road, bears S. 1° E., and N. 1° W.						
39.50	Same road, bears S. 10° W. and N. 5° E.						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<p>$\frac{1}{4}$</p> <p>S24 S19</p> <p>1941</p>						
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Continue over nearly level land draining easterly.</p>						
49.60	Same road, bears E. and W., turning to S. 5° W. at about 2.00 chs. E. of this point.						
57.70	Wash, 50 lks. wide, course E. Thence over washed or over-						

Survey: West Boundary of T. 11 S., R. 16 W.

45

Chains	flow land, course E.								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in ground, for cor. of secs. 13, 18, 19, and 24, with brass cap marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T11S</td></tr> <tr><td style="text-align: center;">R17W</td><td style="text-align: center;">R16W</td></tr> <tr><td style="text-align: center;">S13</td><td style="text-align: center;">S18</td></tr> <tr><td style="text-align: center;">S24</td><td style="text-align: center;">S19</td></tr> </table> <p style="text-align: center;">1941</p>	T11S		R17W	R16W	S13	S18	S24	S19
T11S									
R17W	R16W								
S13	S18								
S24	S19								
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.								
	Land, gently rolling and nearly level. Soil, sandy and gravelly, 3d rate. Timber, none. Undergrowth, greasewood, sagebrush, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.								
	North, bet. secs. 13 and 18.								
	Over nearly level land, draining easterly, thru scattering undergrowth.								
30.60	Road, bears NE. and SW.								
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">$\frac{1}{4}$</td></tr> <tr><td style="text-align: center;">S13</td><td style="text-align: center;">S18</td></tr> </table> <p style="text-align: center;">1941</p>	$\frac{1}{4}$		S13	S18				
$\frac{1}{4}$									
S13	S18								
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.								
	Continue over nearly level land, draining easterly.								
53.40	Wash, 90 lks. wide, course E. Enter gently rolling land. Asc. 30 ft. over gradual S. slope to								
65.00	Enter mountainous land, (Copper Mts.). Asc. 395 ft. over S. slope.								
77.70	Sharp, jagged granite spur, slopes E.; desc. 95 ft. over N. slope to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., on exposed bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for cor. of secs. 7, 12, 13, and 18, with brass cap marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T11S</td></tr> <tr><td style="text-align: center;">R17W</td><td style="text-align: center;">R16W</td></tr> <tr><td style="text-align: center;">S12</td><td style="text-align: center;">S7</td></tr> <tr><td style="text-align: center;">S13</td><td style="text-align: center;">S18</td></tr> </table> <p style="text-align: center;">1941</p>	T11S		R17W	R16W	S12	S7	S13	S18
T11S									
R17W	R16W								
S12	S7								
S13	S18								
	Land, nearly level, gently rolling, and mountainous. Soil, sandy and gravelly, 3d rate, and rocky 4th rate. Timber, none. Undergrowth, greasewood, scrub paloverde, and ironwood, and cacti. Scattering sahuaro cactus.								

Survey: West Boundary of T. 11 S., R. 16 W.

46

Chains	
	North, bet. secs. 7 and 12.
	Over mountainous land, (Copper Mts.), thru scattering undergrowth.
	Desc. 61 ft. over N. slope.
6.50	Wash, 40 lks. wide, course S. 70° E.; asc. 249 ft. over S. slope.
13.90	Spur, slopes NE.; desc. 58 ft. over N. slope.
15.40	Bottom of gulch, 10 lks. wide, course NE.; asc. 175 ft. over S. slope.
22.50	Spur, slopes E.; desc. 60 ft. over NE. slope.
25.50	Head of gulch, course E.; desc. 48 ft. over E. slope.
29.80	Spur, slopes NE.; desc. 190 ft. over NW. slope.
34.20	Bottom of gulch, 30 lks. wide, course N. 70° E.; asc. 216 ft. over S. slope to spur.
40.00	True point for $\frac{1}{4}$ sec. cor. is on a precipitous slope, where it is impracticable to monument the corner, therefore establish witness cor. 40 lks. N.
40.40	Spur, slopes E. Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor.; with brass cap marked
	$\frac{1}{4}$ S12 S7 WC 1941
	Desc. 123 ft. over NE. slope.
50.00	Desc. slightly over E. slope.
54.20	Spur, slopes NE.; desc. 460 ft. over NW. slope.
71.00	Main wash, 80 lks. wide, course NE. Asc. 17 ft. over SE. slope.
72.00	End of old road from NE. Desc. 20 ft. over NE. slope.
75.00	Wash, 30 lks. wide, course E.; asc. 95 ft. over SE. slope to sec. cor.
77.20	Trail, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of secs. 1, 6, 7, and 12, with brass cap marked
	T11S R17W R16W S1 S6 S12 S7 1941

Survey: West Boundary of T. 11 S., R. 16 W.

Chains

Land, mountainous.
 Soil, rocky 4th rate.
 Timber, none.
 Undergrowth, greasewood, scrub paloverde, and ironwood,
 and cacti.
 Scattering sahuaro cactus.

North, bet. secs. 1 and 6.

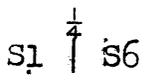
Over mountainous land, (Copper Mts.), thru scattering undergrowth.

Asc. 581 ft. over SE. slope.

13.00 Spur, slopes E. Desc. 500 ft. over steep N. slope.

24.00 Wash, 40 lks. wide, course N. 80° E.; asc. 370 ft. over steep SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, over a cross (X) chiseled thereon, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked



1941

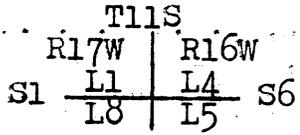
Asc. 45 ft. over SE. slope.

42.70 Spur, slopes NE.; desc. 687 ft. over N. slope.

66.90 Wash, 30 lks. wide, course NE.; asc. 236 ft. over SE. slope.

78.30 Spur, slopes E.; desc. 31 ft. over N. slope, to

80.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for cor. of lots 1 and 8 of sec. 1, and lots 4 and 5 of sec. 6, with brass cap marked



1941

Desc. 142 ft. over N. slope.

83.20 Wash, 30 lks. wide, course E.; asc. 180 ft. over S. slope.

88.50 Spur, slopes NE.; desc. 231 ft. over NW. slope to

95.81 Intersect S. bdy. of T. 10 S., R. 16 W., at 2.44 chs. E. of the cor. of Ts. 10 S., Rs. 16 and 17 W., established in 1937, which is an iron post, 3 ins. in diam., projecting 30 ins. above ground, firmly set in ground and mound of stone, properly marked in brass cap, and witnessed by two properly marked bearing trees; an ironwood N. 18½° E., 165 lks. dist., and a paloverde N. 13¼° W., 100 lks. dist.
 Additionally mark the brass cap to read;

Survey: West Boundary of T. 11 S., R. 16 W.

48

T10S	
R17W	R16W
S36	S31

S 1

T11S R17W

1941

1937

At point of intersection,

Set an iron post, 3 ft. long, 3 ins. in diam., 14 ins. in ground to bedrock, with a stone marked with a cross (X) deposited at base, and in a mound of stone to top, for closing cor. of Ts. 11 S., Rs. 16 and 17 W., with brass cap marked

T10S R16W	
S 31	
S1	S6
R17W	R16W
T11S	
CC	
1941	

Land, mountainous.

Soil, rocky 4th rate.

Timber, none.

Undergrowth, greasewood, scrub paloverde, and ironwood, and cacti.

Scattering sahuaro cactus.

FINAL FIELD TESTS OF INSTRUMENT.

January 25, 1941; at station in camp near the cor. of Ts. 11 and 12 S., Rs. 13 and 14 W., established under this group; approx. latitude, $32^{\circ} 25'$ N.; approx. longitude, $113^{\circ} 39\frac{1}{2}'$ W.; examine the adjustments of Buff and Buff transit No. 18000 and find no errors. Then, to test the solar apparatus of same by comparison of its indications with a true meridian, proceed as follows:

At 11h. 20 m., p.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and marking the mean point in the line thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at western elongation = $1^{\circ} 11' 52''$

January 26, 1941; at 7h. 00m., a.m., lay off the azimuth of Polaris $1^{\circ} 12'$ to the east and mark a point in the true meridian thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

February 2, 1941; at same station, at 9h. 00m., a.m., app. t., set off $32^{\circ} 25'$ N. on the lat. arc; $16^{\circ} 45\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian and obtain a reading of $16^{\circ} 43\frac{1}{2}'$ S. on the decl. arc, which agrees with computed decl. of the sun.

At 3h. 00m., p.m., app. t., with the lat. arc unchanged; set off $16^{\circ} 41'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' 30" of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, and that it has remained in such condition throughout the surveys executed with same in the period December 28, 1940 to February 1, 1941, which are described in the foregoing field notes.

January 31, 1942; at station in camp near center of sec. 14, T. 12 S., R. 6 W., G. & S.R. meridian, Arizona, approx. latitude $32^{\circ} 22\frac{1}{2}'$ N.; approx. longitude $112^{\circ} 51\frac{1}{2}'$ W.; examine the adjustments of Buff and Buff transit No. 18000 and find no errors. Then, to test the solar apparatus of same by comparison of its indications with a true meridian, proceed as follows:

At 10h, 58m., p.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and marking the mean point in the line thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at western elongation = $1^{\circ} 11' 31''$.

February 1, 1942; at 7h. 00m., a.m., lay off the azimuth of Polaris $1^{\circ} 11\frac{1}{2}'$ to the east and mark a point in the true meridian thus determined by a nail in a stake driven firmly in the ground about 5 chs. North.

February 3, 1942; at same station, at 9h. 00m., a.m., app. t., set off $32^{\circ} 22\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 32'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged; observe the sun on the meridian and obtain a reading of $16^{\circ} 30\frac{1}{2}'$ S. on the decl. arc, which agrees with computed decl. of the sun.

At 3h. 00m., p.m., app. t., with the lat. arc unchanged; set off $16^{\circ} 28'$ S. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within $1^{\circ} 30'$ of the true meridian, conclude that this instrument is in satisfactory adjustment on this date, and that it has remained in such condition throughout the surveys executed with same in the period January 15 to February 3, 1942, which are described in the foregoing field notes.

4-680
(Revised May 1934)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD ASSISTANTS

to
Benjamin J. Kinsey, Cadastral Engineer

NAMES	CAPACITY
Period Dec. 28, 1940 to Feb. 4, 1941	
Irwin B. Williams	Principal Assistant
Clair Pearson	Chainman
Glen A. Bush	Cornerman
Wesley B. Farley	Axman and Cornerman
William A. Peace	Axman and Chainman
John W. Jones	Flagman
Period Jan. 15, 1942 to Feb. 3, 1942	
Irwin B. Williams	Principal Assistant
Glen A. Bush	Chainman
Stanley J. Jarocha	Axman and Cornerman
John G. Coverdale	Axman and Cornerman
James C. Bennett	Flagman

BOOK 423

CERTIFICATE OF SURVEYOR

I, Benjamin J. Kinsey, Associate Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of October, 1939 received from the district cadastral engineer for Arizona, with assignment instructions dated Nov. 4, 1940 & Dec. 20, 1941, I have surveyed the South bdy. of T.10 S., R.10 W.; East bdy. of T.11 S., R.4 W.; West bdy. of T.11 S., R.16 W.; West and North bdrs. of T.12 S., R.16 W.; South and North bdrs. of T.13 S., R.9 W.; and the West and North bdrs. of T.13 S., R.16 W., of the Gila & Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Phoenix, Arizona
Nov. 11, 1942

Benjamin J. Kinsey
Associate Cadastral Engineer
(formerly Cadastral Engineer)

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colo., May 19, 1943.

The foregoing field notes of the survey of the South bdy. of T.10 S., R.10 W.; East bdy. of T.11 S., R.4 W.; West bdy. of T.11 S., R.16 W.; West and North bdrs. of T.12 S., R.16 W.; South and North bdrs. of T.13 S., R.9 W.; and West and North bdrs. of T.13 S., R.16 W., of the Gila and Salt River Meridian, in the State of Arizona, Associate Cadastral Eng. executed by Benjamin J. Kinsey, Cadastral Engineer and/ under special instructions dated October 27, 1939 for Group 230, Arizona, and assignment instructions dated November 4, 1940 and December 20, 1941, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Russell H. Allen
Acting Assistant Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes on file in the public survey office.

Supervisor of Surveys.