

Subdivisions

BOOK 2956

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

FRACTIONAL TOWNSHIP 16 $\frac{1}{2}$ NORTH, RANGE 20 WEST

2956

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Albert Smith Jr., U.S. Surveyor

and

Ray D. Armstrong, U.S. Transitman

2956

~~In the capacity of U.S. Surveyor~~, under instructions dated December 28, 1914,

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

Group No. 42, which were approved by the Commissioner of the General Land

Office, January 22, 1915.

Survey commenced March 22, 1916

Survey completed March 27, 1916

INDEX DIAGRAM.

Township _____, Range _____

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

Book "X"
Group 42, Arizona.
(Subdivisions.)

BOOK 2956

INDEX DIAGRAM
FRACTIONAL TOWNSHIP 16 1/2 NORTH RANGE 20 WEST

T. 17 N. - R. 20 W.

T. 17 N. - R. 19 W.

T. 17 N. - R. 20 W.				T. 17 N. - R. 19 W.						
33	34	35	36	31	32	33	34			
Fourth		Standard		Parallel		North				
19	12	20	9	21	7	22	5	23	3	24
11		11		9		6		4		2
30	11	29	8	28	6	27	4	26	2	25
10		10		8		6		3		1
31	9	32	7	33	5	34	3	35	1	36

- Township Exteriors. Notes in Book "A"
- Subdivision lines surveyed under this Group.
- Lines surveyed under Group 43.
- Accepted surveys.

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

18

Chains.

Survey commenced Mar. 22, 1916, and executed jointly by Albert Smith, Jr., U. S. Surveyor, and Ray D. Armstrong, U. S. Transitman, with Young and Sons' light mountain transits Nos. 8583 and 8396, respectively, with Smith solar attachments. For description of instruments and certificate of approval, see subdivision of T. 13 N., R. 19 W. in book "F". For tests of adjustment, see subdivision of T. 16 N., R. 19 W. in book "S".

In the following field notes, the initials A. S. and R. D. A. refer to Albert Smith, Jr., U. S. Surveyor, and Ray D. Armstrong, U. S. Transitman, respectively.

A. S. and R. D. A.
Mar. 22, 1916.

Mar. 24, 1916: A.S.

At 7 hrs. 55 m., a.m., l.m.t., I set off 34° 46' N. on the lat. arc; 1° 29' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is an iron post, established by me, as described in Book "A".

Thence I run

N. 0° 1' W., bet. secs. 35 and 36.

Over rolling land, through dense undergrowth.

- 1.50 Wash, 25 lks. wide, 10 ft. deep, course SW.
39.20 Wash, 50 lks. wide, 10 ft. deep, course SW. Old wagon road, in wash, brs. NE. and SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
1916 on S. rim;
 $\frac{1}{4}$ S35 in W. and
S36 in E. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
1916 on S. rim;
T16 $\frac{1}{2}$ N R20W in N. half;
S26 in NW.,
S25 in NE.,
S36 in SE. and
S35 in SW. quadrant;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, rolling desert.
Soil, 3rd rate.
No timber.
Undergrowth, greasewood.

N. 89° 52' E., on a random line, bet. secs. 25 and 36.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.14 Intersect E. bdy. of Tp., 5 lks. S. of the cor. of secs. 25, 30, 31 and 36; which is an iron post, established by me, as described in Book "A".
Thence I run
S. 89° 50' W., on a true line, bet. secs. 25 and 36.
Over rolling land, through dense undergrowth.
36.35 Wash, 50 lks. wide, course SW. Old road in wash, brs. NE. and SW.
40.07 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, for $\frac{1}{4}$ sec. cor. q marked on brass cap
1916 on S. rim;
 $\frac{1}{4}$ S25 in N. and
S36 in S. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
54.15 Wash, 20 lks. wide, 10 ft. deep, course SW.
80.14 The cor. of secs. 25, 26, 35 and 36.

2. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

Chains.

	<p>Land, rolling desert. Soil, rocky; 3rd rate. No timber. Undergrowth, greasewood.</p>
39.00	N.0° 1' W., bet. secs. 25 and 26.
40.00	Over rolling land, through dense undergrowth. Wash, 25 lks. wide, course SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$ S26 in W. and S25 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
46.70	Wash, 25 lks. wide, 15 ft. deep, course SW.
78.30	Center of wash, 70 lks. wide, 10 ft. deep, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap 1916 on S. rim; T16 $\frac{1}{2}$ N R20W in N. half; S23 in NW., S24 in NE., S25 in SE. and S26 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Land, rolling desert. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood.
	Mar. 24, 1916: At this cor., I set off 1° 32' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 48' N.
40.00	N.89° 50' E., on a random line, bet. secs. 24 and 25.
80.20	Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp., 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by me, as described in Book "A". Thence I run S.89° 49' W., on a true line, bet. secs. 24 and 25.
11.10	Over rolling and hilly land, through dense undergrowth.
37.20	Center of wash, 60 lks. wide, course SE. Asc. 135 ft. to spur, extends 15 chs. N. Desc. 50 ft.
40.10	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, on bed rock, 20 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$ S24 in N. and S25 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
45.35	From this cor., butte brs. S. 20 chs. dist. Asc. 35 ft. to
50.30	Spur, extends 15 chs. NW. Desc. 100 ft. to
55.00	Foot of desc.; thence over rolling land.
60.20	Wash, 20 lks. wide, 10 ft. deep, course SW.
78.20	Center of wash, 75 lks. wide, course SW.
80.20	The cor. of secs. 23, 24, 25 and 26. Land, rolling and hilly. Soil, rocky; 3rd rate. No timber. Undergrowth, greasewood.

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W. 3.

Chains. N.0° 1' W., on a true line, bet. secs. 23 and 24.
 Over rolling land, through dense undergrowth.
 32.00 Wash, 50 lks. wide, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S23 in W. and
 S24 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 56.00 Wash, 50 lks. wide, 10 ft. deep, course W.
 83.83 Intersect the Fourth Standard Parallel North, 3.89 chs. W.
 of the standard cor. of secs. 32 and 33, T. 17 N., R.
 19 W., which is a malpais stone, 8 X 8 X 10 ins. above
 ground, in a mound of stone, marked and witnessed as
 described by the Surveyor-General.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 28 ins. in the ground, for closing cor. of
 fractional secs. 23 and 24, marked on brass cap
 1916 on S. rim;
 CC S. of center;
 S32 in N. half;
 S24 R20W in SE. and
 S23 T16 $\frac{1}{2}$ N in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 S. of cor.
 Land, rolling desert.
 Soil, rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood.
 Mar. 24, 1916.

Mar. 25, 1916:
 From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of
 the Tp., which is an iron post, established by me, as
 described in Book "A", I run
 N.0° 1' W., bet. secs. 34 and 35.
 40.00 Over rolling land, through dense undergrowth.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S34 in W. and
 S35 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 66.50 Enter wash, 10 ft. deep, course SW.
 74.00 Leave wash, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 26, 27, 34 and 35, marked on
 brass cap
 1916 on S. rim;
 T16 $\frac{1}{2}$ N R20W in N. half;
 S27 in NW.,
 S26 in NE.,
 S35 in SE. and
 S34 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling desert.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood.

40.00 N.89° 52' E., on a random line, bet. secs. 26 and 35.
 80.00 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 5 lks. S. of the cor. of secs.

4. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

Chains.	
<p>39.00 40.00 70.50 79.00 80.00</p>	<p>25, 26, 35 and 36. Thence I run S. 89° 50' W., on a true line, bet. secs. 26 and 35. Over rolling land, through dense undergrowth. Wash, 20 lks. wide, course SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S26 in N. and S35 in S. half; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Enter wash, course S. Leave wash, course S. The cor. of secs. 26, 27, 34 and 35. Land, rolling desert. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood. Mar. 25, 1916: At this cor., I set off 1° 56' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 47' N.</p>
<p>40.00 65.00 80.00</p>	<p>N. 0° 1' W., bet. secs. 26 and 27. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S27 in W. and S26 in E. half; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Wash, 20 lks. wide, 20 ft. deep, course SW. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap 1916 on S. rim; T16$\frac{1}{2}$N R20W in N. half; S22 in NW., S23 in NE., S26 in SE. and S27 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood. Mar. 25, 1916.</p>
<p>40.00 80.00 17.60 40.00</p>	<p>Mar. 24, 1916: N. 89° 50' E., on a random line, bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence I run S. 89° 48' W., on a true line, bet. secs. 23 and 26. Over rolling land, through dense undergrowth. Wash, 20 lks. wide, 30 ft. deep, course SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S23 in N. and S26 in S. half; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor.</p>

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W. 5.

Chains.

42.00 Center of wash, 60 lks. wide, 10 ft. deep, course S.
 45.00 Wash, 40 lks. wide, 10 ft. deep, course S.
 80.00 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling desert.
 Soil, malpais; 4th rate.
 No timber.
 Undergrowth, greasewood.
 Mar. 24 and 25, 1916.

Mar. 25, 1916.
 N.0° 1' W., on a true line, bet. secs. 22 and 23.
 Over rolling land, through dense undergrowth.
 38.00 Wash, 30 lks. wide, 15 ft. deep, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S22 in W. and
 S23 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 84.03 Intersect Fourth Standard Parallel North, 3.77 chs. W. of
 the standard cor. of secs. 31 and 32, T. 17 N., R. 19
 W., which is a wash boulder, 10 X 10 X 5 ins. above
 ground, marked and witnessed as described by the Survey-
 or-General.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 15 ins. in the ground, on bed rock, 15 ins.
 in a mound of stone, for closing cor. of secs. 22 and 23,
 marked on brass cap
 1916 on S. rim;
 CC S. of center;
 S31 in N. half;
 S23 R20W in SE. and
 S22 T16 $\frac{1}{2}$ N in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 S. of cor.
 Land, rolling desert.
 Soil, malpais; 4th rate.
 No timber.
 Undergrowth, greasewood.

Mar. 25, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off
 34° 46' N. on the lat. arc; 1° 52' N. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., which
 is an iron post, established by me, as described in
 Book "A".
 Thence I run
 N.0° 2' W., bet. secs. 33 and 34.
 Over rolling land, through dense undergrowth.
 8.30 Center of wash, 60 lks. wide, 10 ft. deep, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S33 in W. and
 S34 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 27, 28, 33 and 34, marked on
 brass cap
 1916 on S. rim;
 T16 $\frac{1}{2}$ N R20W in N. half;
 S28 in NW.,
 S27 in NE.,
 S34 in SE. and
 S33 in SW. quadrant;

6. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

Chains.	
	<p>and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Land, rolling desert. Soil, gravel; 3rd and 4th rate. No timber. Undergrowth, greasewood.</p>
40.00 80.06	<p>N.89° 52' E., on a random line, bet. secs. 27 and 34. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 7 lks. S. of the cor. of secs. 26, 27, 34 and 35. S.89° 49' W., on a true line, bet. secs. 27 and 34. Over rolling land, through dense undergrowth. Wash, 15 lks. wide, 20 ft. deep, course SW.</p>
27.55 40.03	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S27 in N. and S34 in S. half; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor.</p>
80.06	<p>The cor. of secs. 27, 28, 33 and 34. Land, rolling desert. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood.</p>
24.00 40.00	<p>N;0° 2' W., bet. secs. 27 and 28. Over rolling land, through dense undergrowth. Center of wash, 70 lks. wide, 20 ft. deep, course SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S28 in W. and S27 in E. half;</p>
76.75 80.00	<p>and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Center of wash, 60 lks. wide, 20 ft. deep, course SW. Set an iron post 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap 1916 on S. rim; T16$\frac{1}{2}$N R20W in N. half; S21 in NW., S22 in NE., S27 in SE. and S28 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood.</p>
40.00 80.06	<p>N.89° 49' E., on a random line, bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 7 lks. N. of the cor. of secs. 22, 23, 26 and 27. Thence I run</p>
40.03	<p>S.89° 52' W., on a true line, bet. secs. 22 and 27. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap</p>

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W. 7.

Chains.

1916 on S. rim;
 $\frac{1}{4}$ S22 in N. and
 S27 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 47.00 Center of wash, 60 lks. wide, 20 ft. deep, course SW. ⁶
 78.50 Center of wash, 60 lks. wide, 20 ft. deep, course SW.
 80.06 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling desert.
 Soil, malpais; 4th rate.
 No timber.
 Undergrowth, greasewood.
 Mar. 25, 1916.

Mar. 27, 1916.
 N.0° 2' W., on a true line, bet. secs. 21 and 22.
 Over rolling land, through dense undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S21 in W. and
 S22 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 80.00 Center of wash, 60 lks. wide, 40 ft. deep, course SW.
 84.16 **Intersect Fourth Standard** Parallel North, 3.70 chs. W. of
 the standard cor. of T. 17 N., Rs. 19 and 20 W., which
 is a malpais rock, 12 X 12 X 12 ins. above ground,
 marked and witnessed as described by the Surveyor-
 General.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 26 ins. in the ground, for closing cor.
 of secs. 21 and 22, marked on brass cap
 1916 on S. rim;
 CC S. of center;
 S36 in N. half;
 S22 R20W in SE. and
 S21 T16 $\frac{1}{2}$ N in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 S. of cor.
 Land, rolling desert.
 Soil, malpais; 4th rate.
 No timber.
 Undergrowth, greasewood.

Mar. 27, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off
 34° 46' N. on the lat. arc; 2° 39' N. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 4, 5, 32 and 33, which is an iron post, established
 by me, as described in BOOK "A".
 Thence I run
 N.0° 2' W., bet. secs. 32 and 33.
 Over rolling land, through dense undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, on bed rock, 10 ins. in a mound of stone, for
 $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S32 in W. and
 S33 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 67.00 Wash, 50 lks. wide, 10 ft. deep, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 28, 29, 32 and 33, marked on

8. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

Chains.	
	<p>brass cap 1916 on S. rim; T16$\frac{1}{2}$N R20W in N. half; S29 in NW., S28 in NE., S33 in SE. and S32 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood.</p>
40.00	N.89° 52' E., on a random line, bet. secs. 28 and 33.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 2 lks. N. of the cor. of secs. 27, 28, 33 and 34. Thence I run S.89° 53' W., on a true line, bet. secs. 28 and 33. Over rolling desert, through dense undergrowth.
11.00	Wash, 40 lks. wide, 10 ft. deep, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$ S28 in N. and S33 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
66.60	Center of wash, 60 lks. wide, 10 ft. deep, course SW.
80.00	The cor. of secs. 28, 29, 32 and 33. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood. Mar. 27, 1916: At this cor., I set off 2° 42 $\frac{1}{2}$ ' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 47' N.
37.00	N.0° 2' W., bet. secs. 28 and 29. Over rolling land, through dense undergrowth.
40.00	Wash, 25 lks. wide, 30 ft. deep, course SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$ S29 in W. and S28 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap 1916 on S. rim; T16 $\frac{1}{2}$ N R20W in N. half; S20 in NW., S21 in NE., S28 in SE. and S29 in SW. quadrant; dig pits, 18 X 18 X 12 ins., in each sec., 5 $\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood.

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W. 9.

Chains.	
40.00	N.89° 53' E., on a random line, bet. secs. 21 and 28.
79.98	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 21, 22, 27 and 28. Thence I run S.89° 55' W., on a true line, bet. secs. 21 and 28. Over rolling land, through dense undergrowth. Wash, 20 lks. wide, 30 ft. deep, course SW.
17.50	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
39.99	1916 on S. rim; $\frac{1}{4}$ S21 in N. and S28 in S. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
79.98	The cor. of secs. 20, 21, 28 and 29. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood. A. S.
40.00	R. D. A. N.0° 2' W., on a true line, bet. secs. 20 and 21. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on bed rock, 6 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$ S20 in W. and S21 in E. half; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
72.20	Wash, 50 lks. wide, course SW.
84.10	Intersect Fourth Standard Parallel North, 3.42 chs. W. of the standard cor. of secs. 35 and 36, T. 17 N., R. 20 W., which is a stone, 10 X 14 X 6 ins. above ground, marked and witnessed as described by the Surveyor-General. At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 20 and 21, marked on brass cap 1916 on S. rim; CC S. of center; S35 in N. half; S21 R20W in SE. and S20 T16 $\frac{1}{2}$ N in SW. quadrant; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, rolling desert. Soil, 3rd and 4th rate. No timber. Undergrowth, greasewood and palo verde. R. D. A. Mar. 27, 1916.
13.60	Mar. 22, 1916: A. S. From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., which is an iron post, established by me, as described in Book "A", I run
40.00	N.0° 3' W., bet. secs. 31 and 32. Over rolling land, through dense undergrowth. Center of wash, 75 lks. wide, 15 ft. deep, course SW. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on bed rock, 10 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim;

10. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

Chains.		
47.00 80.00	<p style="text-align: center;"> $\frac{1}{4}$S31 in W. and S32 in E. half; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor. Center of wash, 60 lks. wide, course SW. Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap 1916 on S. rim; T16$\frac{1}{2}$N R20W in N. half; S30 in NW., S29 in NE., S32 in SE. and S31 in SW. quadrant; dig pits, 18 X 18 X 12 ins., in each sec., 5$\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, rolling desert. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood. </p> <p style="text-align: right;">Mar. 22, 1916.</p>	
40.00 80.00 40.00 50.00 80.00	<p>Mar. 27, 1916. N.89° 52' E., on a random line, bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 26 lks. N. of the cor. of secs. 28, 29, 32 and 33. Thence I run N.89° 57' W., on a true line, bet. secs. 29 and 32. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S29 in N. and S32 in S. half; dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. Center of wash, 75 lks. wide, 10 ft. deep, course SW. The cor. of secs. 29, 30, 31 and 32. Land, rolling desert. Soil, malpais; 4th rate. No timber. Undergrowth, greasewood.</p> <p style="text-align: right;">Mar. 27, 1916.</p>	
40.00 77.13 37.13 77.13	<p>Mar. 22, 1916. S.89° 52' W., on a random line, bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of Tp., 9 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, established by me, as described in Book "A". Thence I run N.89° 48' E., on a true line, bet. secs. 30 and 31. Over rolling land, through dense undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S30 in N. and S31 in S. half; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N. of cor. The cor. of secs. 29, 30, 31 and 32. Land, rolling desert. Soil, sandy; 3rd rate.</p>	

Subdivision of T. 16 1/2 N., R. 20 W.

11.

chains.

No timber.
Undergrowth, greasewood.
Mar. 22, 1916.

Mar. 23, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off
34° 47' N. on the lat. arc; 1° 5' N. on the decl. arc;
and determine a meridian with the solar at the cor. of
secs. 29, 30, 31 and 32.

Thence I run
N.0° 3' W., bet. secs. 29 and 30.
Over rolling land, through dense undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for 1/4 sec. cor., marked on brass cap

40.00

1916 on S. rim;
1/4 S30 in W. and
S29 in E. half;

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

53.00

Center of wash, 90 lks. wide, 10 ft. deep, course SW.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the
ground, on bed rock, 10 ins. in a mound of stone, for
cor. of secs. 19, 20, 29 and 30, marked on brass cap

1916 on S. rim;
T16 1/2 N R20 W in N. half;
S19 in NW.,
S20 in NE.,
S29 in SE. and
S30 in SW. quadrant;

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

Land, rolling desert.
Soil, rocky; 4th rate.
No timber.
Undergrowth, greasewood.

A.S.
Mar. 23, 1916.

Mar. 27, 1916: R. D. A.
S.89° 57' E., on a random line, bet. secs. 20 and 29.

40.00

Set temp. 1/4 sec. cor.

79.92

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

Thence I run
S.89° 51' W., on a true line, bet. secs. 20 and 29.

Over rolling land, through dense undergrowth.

39.96

Set a stone, 10 X 14 X 20 ins., 14 ins. in the ground, for
1/4 sec. cor., marked 1/4 on N. face; and raise a mound
of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

43.80

Wash, 40 lks. wide, course SW.

62.30

Wash, 3 lks. wide, course SW.

79.92

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

Land, rolling desert.
Soil, rocky; 3rd and 4th rate.
No timber.
Undergrowth, greasewood and palo verde.

Mar. 27, 1916.
R. D. A.

Mar. 23, 1916: A. S. and R. D. A.
S.89° 48' W., on a random line, bet. secs. 19 and 30.

40.00

Set temp. 1/4 sec. cor.

77.00

Intersect W. bdy. of Tp., 5 lks. S. of the cor. of secs.
19, 24, 25 and 30, which is an iron post, established

12. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 20 W.

Chains.

by R. D. A., as described in Book "A".
 Thence I run
 N. 89° 50' E., on a true line, bet. secs. 19 and 30.
 Over rolling land, through dense undergrowth.
 37.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S19 in N. and
 S30 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 77.00 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling desert.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, greasewood.
 A. S. and R. D. A.
 Mar. 23 and 27, 1916.

Mar. 23, 1916: A. S.
 N. 0° 3' W., on a true line, bet. secs. 19 and 20.
 Over rolling land, through dense undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, on bed rock, 22 ins. in a mound of stone, for
 $\frac{1}{4}$ sec. cor., marked on brass cap
 1916 on S. rim;
 $\frac{1}{4}$ S19 in W. and
 S20 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 84.06 Intersect Fourth Standard Parallel North, 3.20 chs. W. of
 the standard cor. of secs. 34 and 35, T. 17 N., R. 20
 W., which is a stone, 14 X 12 X 10 ins. above ground,
 marked and witnessed as described by the Surveyor-
 General.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 28 ins. in the ground, for closing cor. of
 secs. 19 and 20, marked on brass cap
 1916 on S. rim;
 CC S. of center;
 S34 in N. half;
 S20 R20 W in SE. and
 S19 T16 $\frac{1}{2}$ N in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 S. of cor.
 Land, rolling desert.
 Soil, malpais; 3rd rate.
 No timber.
 Undergrowth, greasewood.
 A. S.
 Mar. 23, 1916.

GENERAL DESCRIPTION.

The land in this fractional township is generally roll-
 ing, draining to the south west. The soil varies from
 gravel, 3rd rate, to rocky, 4th rate. Undergrowth consists
 of greasewood, palo verde and ocotillo. There are no
 settlers, nor is there any water in the township.

For Certificate of U.S. Surveyor and U.S. Transitman
see page PI, Book "B" of this Group.

FINAL OATH OF UNITED STATES SURVEYOR.

BOOK 2956

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona April 10 _____, 1917

The foregoing field notes of the survey of the _____
Subdivision lines of _____
Fractional Township 16½ North, Range 20 West
of the Gila and Salt River Base and Meridian
inthe State of Arizona

executed by Albert Smith Jr., U.S. Surveyor & Ray D. Armstrong, U.S. Transitman under special instructions dated December 28, 1914 for Group 42, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Frost

Surveyor General.
of Arizona.

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