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Book "S"

2951

4-679

BOOK 2951

Subdivisions

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

TOWNSHIP 16 NORTH RANGE 19 WEST

2951

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

2951

~~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 February 25, 1916

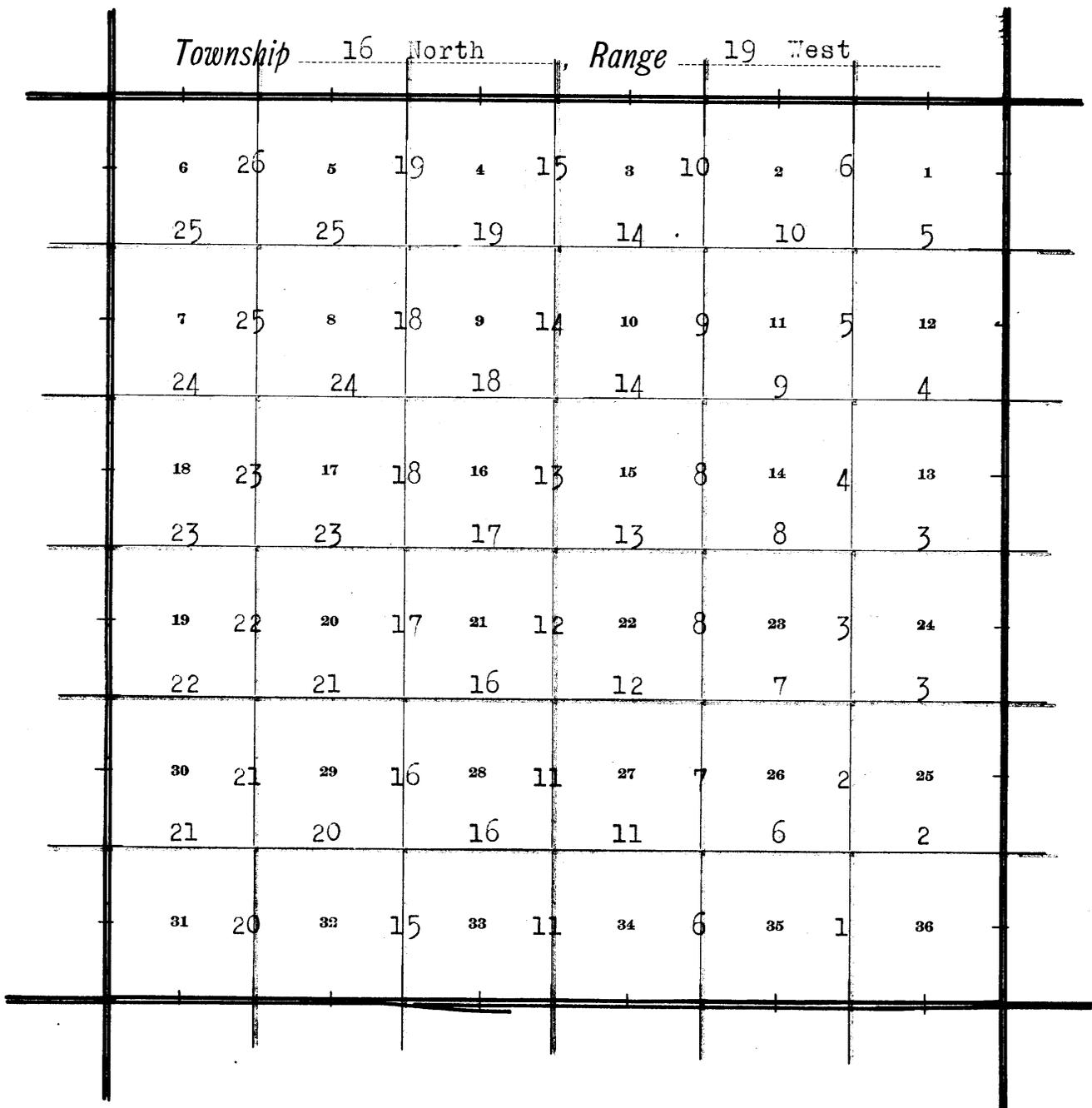
Survey completed March 7, 1916

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1A

Book "S"
Group 42, Arizona
(Subdivisions)

BOOK 2951

INDEX DIAGRAM.



———— Township Exteriors, Notes in Book "A"
 ———— Subdivision lines surveyed under this Group.

Chains.

Survey commenced Feb. 25, 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".

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.

A. S.

I examine the adjustments of the transits and find them satisfactory; then to test the solars, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:-

At our camp in the SE. quarter of sec. 8, T. 16 N., R. 19 W., in lat. $34^{\circ} 44\frac{1}{2}'$ N., long. $114^{\circ} 15' 51''$ W., at 4 hrs. 0 m., p.m., l.m.t., I set off $34^{\circ} 44\frac{1}{2}'$ N. on the lat. arcs; $9^{\circ} 15\frac{1}{2}'$ S. on the decl. arcs; and determine a meridian with each solar, and mark points on the lines thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 9 hrs. 6.3 m., p.m., l.m.t., by my watch, which is set to correct local mean time, I observe Polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

Feb. 25, 1916.

Feb. 26, 1916: At 7 hrs. 0 m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 23'$ to the east, and find that this line coincides with the meridian determined last evening with one solar, and varies from the line determined by the other by only $\frac{1}{2}'$.

At 7 hrs. 15 m., a.m., l.m.t., I set off $34^{\circ} 44\frac{1}{2}'$ N. on the lat. arcs; $9^{\circ} 1'$ S. on the decl. arcs; and determine a meridian with each solar. The lines thus determined depart less than 1' from the true meridian determined by observations on Polaris.

The solar apparatus, by p.m. and a.m. observations, define positions for meridians, which depart less than 1' from the true meridian established by observations on Polaris. As these instruments fulfill the conditions imposed by our instructions, we deem them satisfactory for field use.

The mean magnetic declination is $13\frac{1}{2}^{\circ}$ E.

A. S.

R. D. A.

At 8 hrs. 0 m., a.m., l.m.t., I set off $34^{\circ} 41'$ N. on the lat. arc; $9^{\circ} 1'$ S. 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. $0^{\circ} 1'$ W., bet. secs. 35 and 36.

Over rolling and level land, through scattering undergrowth.

Road, brs. NW. to Franconia and SE. to Arrastre Wells.

Enter wash, course N. Comes from SE.

Leave wash, course NW.

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;

6.80
10.00
35.00
40.00

2.

Subdivision of T. 16 N., R. 19 W.

Chains.

68.80
80.00

1835 in W. and
S36 in E. half;
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
Road, brs. NW. to Franconia, and SE. to James Ross' Cabin.
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;
T16N R19W 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, 1½ ft. high,
W. of cor.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.

40.00
80.00

S.89° 58' E., on a random line, bet. secs. 25 and 36.
Set temp. ¼ sec. cor.
Intersect E. bdy. of Tp., 21 lks. S. of the cor. of secs.
25, 30, 31 and 36, which is an iron post, established
by A. S., as described in Book "A".
Thence I run
S.89° 53' W., on a true line, bet. secs. 25 and 36.
Over rolling land, through dense undergrowth.
27.40
40.00
Wash, course NW.
Set an iron post, 3 ft. long, 1 in. diam., 25 ins. in the
ground, for ¼ sec. cor., marked on brass cap

1916 on S. rim;
¼S25 in N. and
S36 in S. half;
and raise a mound of stone, 2 ft. base, 1½ ft. high,
N. of cor.
80.00
The cor. of secs. 25, 26, 35 and 36.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.

40.00

N.0° 1' W., bet. secs. 25 and 26.
Over rolling land, through dense undergrowth.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¼ sec. cor., marked on brass cap

1916 on S. rim;
¼S26 in W. and
S25 in E. half;
and raise a mound of stone, 2 ft. base, 1½ ft. high,
W. of cor.
65.00
80.00
Center of wash, 10 chs. wide, 1½ ft. deep, course NW.
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground, for cor. of secs. 23, 24, 25 and 26, marked on
brass cap

1916 on S. rim;
T16N R19W 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, 1½ ft. high,
W. of cor.
Land, rolling desert.
Soil, gravelly; 3rd rate.

Subdivision of T. 16 N., R. 19 W. 3.

Chains. No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.
Feb. 26, 1916: The sky was overcast at noon, making an observation for lat. impossible.

40.00 N.89° 53' E., on a random line, bet. secs. 24 and 25.
Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect E. bdy. of Tp., 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by A. S., as described in Book "A".
Thence I run
S.89° 54' W., on a true line, bet. secs. 24 and 25.
Over rolling land, through dense undergrowth.
39.95 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, 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.
79.90 The cor. of secs. 23, 24, 25 and 26.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.
Feb. 26, 1916.

Feb. 28, 1916.
N.0° 1' W., bet. secs. 23 and 24.
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;
 $\frac{1}{4}$ 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.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap
1916 on S. rim;
T16N R19W in N. half;
S14 in NW.,
S13 in NE.,
S24 in SE. and
S23 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, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, ocotillo, palo verde and cacti.
R. C. D.
Feb. 28, 1916.

A. S.
Feb. 29, 1916: Cloudy. Run back and foresight line, from line previously established.
N.89° 54' E., on a random line, bet. secs. 13 and 24.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect E. bdy. of Tp., 5 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by me, as described in Book "A".

4.

Subdivision of T. 16 N., R. 19 W.

Chains.

.60	Thence I run
39.95	S.89° 56' W., on a true line, bet. secs. 13 and 24. Over rolling land, through dense undergrowth. Wash, 50 lks. wide, 10 ft. deep, course NE. 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; $\frac{1}{4}$ S13 in N. and S24 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
44.90	Wash, 50 lks. wide, course NW.
79.90	The cor. of secs. 13, 14, 23 and 24. Land, rolling desert. Soil, gravel; 4th rate. No timber. Undergrowth, greasewood, palo verde, sagebrush and cacti.
22.60	N.0° 1' W., bet. secs. 13 and 14. Over rolling land, through dense undergrowth. Wash, 30 lks. wide, course NW.
24.40	National Old Trails Highway, brs. E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$ S14 in W. and S13 in E. half; dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
62.00	Road, brs. NW. and SE.
74.00	Center of wash, 2 chs. wide, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap 1916 on S. rim; T16N R19W in N. half; S11 in NW., S12 in NE., S13 in SE. and S14 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, sandy and gravelly; 4th rate. No timber. Undergrowth, greasewood, sagebrush, palo verde, ocotillo and cacti.
40.00	N.89° 56' E., on a random line, bet. secs. 12 and 13. Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect E. bdy. of Tp., 9 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by me, as described in Book "A". Thence I run West on a true line, bet. secs. 12 and 13. Over rolling desert land, through dense undergrowth.
29.92	Wash, 50 lks. wide, course NW.
39.96	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; $\frac{1}{4}$ S12 in N. and S13 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Subdivision of T. 16 N., R. 19 W.

5.

Chains.
 66.12 Center of wash, 95 lks. wide, course NW.
 79.92 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling desert.
 Soil, sandy; 3rd rate.
 No timber.
 Undergrowth, greasewood, sagebrush, ocotillo, yucca and cacti.
 Feb. 29, 1916: The sky was overcast at noon, making an observation for lat. impossible.

1.50 N.0° 1' W., bet. secs. 11 and 12.
 Over rolling land, through dense undergrowth.
 30.00 Wash, 50 lks. wide, course NW.
 40.00 Center of wash, 1 ch. wide, course NW.
 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;
 $\frac{1}{4}$ S11 in W. and
 S12 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 45.00 Wash, 50 lks. wide, course NW.
 63.00 Center of wash, 1.50 chs. wide, course NW.
 67.00 Center of wash, 1 ch. wide, course W.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S2 in NW.,
 S1 in NE.,
 S12 in SE. and
 S11 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, sandy; 3rd rate.
 No timber.
 Undergrowth, greasewood.

40.00 East on a random line, bet. secs. 1 and 12.
 80.00 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of Tp , 7 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, established by me, as described in Book "A".
 Thence I run
 S.89° 57' W., on a true line, bet. secs. 1 and 12.
 Over level land, through dense undergrowth.
 10.00 Wash, 30 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;
 $\frac{1}{4}$ S1 in N. and
 S12 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.
 80.00 The cor. of secs. 1, 2, 11 and 12.
 Land, level desert.
 Soil, sandy; 2nd rate.
 No timber.
 Undergrowth, greasewood and palo verde.

6.

Subdivision of T. 16 N., R. 19 W.

Chains.	N.0° 1' W., on a random line, bet. secs. 1 and 2. Set temp. $\frac{1}{4}$ sec. cor.
40.00	Intersect N. bdy. of Tp., 7 lks. E. of the cor. of secs. 1, 2, 35 and 36, which is an iron post, established by me, as described in Book "A".
79.97	Thence I run S.0° 4' E., on a true line, bet. secs. 1 and 2. Over level land, through dense undergrowth. Wash, 25 lks. wide, course W.
13.00	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
39.97	1916 on S. rim; $\frac{1}{4}$ S2 in W. and S1 in E. half; dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
79.97	The cor. of secs. 1, 2, 11 and 12. Land, level desert. Soil, sandy; 2nd rate. No timber. Undergrowth, greasewood and palo verde.
	A. S. Feb. 29, 1916.
	Feb. 26, 1916: R. D. A. 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. 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; $\frac{1}{4}$ 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.
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; T16N R19W 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. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.
40.00	S.89° 58' E., on a random line, bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 25, 26, 35 and 36. Thence I run West on a true line, bet. secs. 26 and 35. Over rolling land, through dense undergrowth.
13.90	Road, brs. NW. to Franconia and SE. to James Ross' Cabin.
26.00	Center of wash, 1.50 chs. wide, 25 ft. deep, course NW.
37.20	Road, brs. NW. to Franconia and SE. to Arrastre Wells.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

Subdivision of T. 16 N., R. 19 W. 7.

Chains.

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.

75.00 Center of wash, 2 chs. wide, 30 ft. deep, course NW.
 80.00 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, ocotillo, palo verde and cacti.
 Feb. 26, 1916.

Feb. 28, 1916.
 N.0° 1' W., bet. secs. 26 and 27.
 Over rolling land, through dense undergrowth.

1.60 Center of wash, 2 dhs. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., 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.

72.50 Road, brs. N.W. to Franconia, and SE. to Arrastre Wells.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 22, 23, 26 and 27, marked on
 brass cap
 1916 on S. rim;
 T16N R19W 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, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.
 Feb. 28, 1916: At this cor., I set off $8^{\circ} 13\frac{1}{2}'$ S. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is $34^{\circ} 42\frac{1}{2}'$ N.

40.00 East on a random line, bet. secs. 23 and 26.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
 23, 24, 25 and 26.
 Thence I run
 S. $89^{\circ} 57'$ W., on a true line, bet. secs. 23 and 26.
 Over rolling land, through scattering undergrowth.

28.00 Center of wash, 1 ch. wide, course NW.
 40.01 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.

57.30 Center of wash, 1 ch. wide, course N. 30° W.
 80.02 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.

8. Subdivision of T. 16 N., R. 19 W.

Chains.	
	Undergrowth, greasewood, palo verde, ocotillo and cacti. Feb. 28, 1916.
	<p>Feb. 29, 1916. Cloudy. Run back and foresight line, from line previously established. N.0° 1' W, bet. secs. 22 and 23. Over rolling land, through dense undergrowth.</p> <p>30.00 Center of wash, 3 chs. wide, course NW. 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.</p> <p>60.50 "Old Trails" Highway, brs. N.45° E. and S.45° W. 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap 1916 on S. rim; T16N R19W in N. half; S15 in NW., S14 in NE., S23 in SE. and S22 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.</p>
	<p>40.00 N.89° 57' E., on a random line, bet. secs. 14 and 23. Set temp. $\frac{1}{4}$ sec. cor. 79.92 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 13, 14, 23 and 24. Thence I run N.89° 59' W., on a true line, bet. secs. 14 and 23. Over rolling desert, through dense undergrowth.</p> <p>39.96 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; $\frac{1}{4}$S14 in N. and S23 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.</p> <p>51.00 Wash, 40 lks. wide, course NW. 60.65 "Old Trails" Highway, brs. N.80° E. and S.80° W. 79.92 The cor. of secs. 14, 15, 22 and 23. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.</p>
	<p>N.0° 1' W., bet. secs. 14 and 15. Over rolling land, through dense undergrowth.</p> <p>27.50 Wash, 50 lks. wide, course NW. 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; $\frac{1}{4}$S15 in W. and S14 in E. half;</p>

Subdivision of T. 16 N., R. 19 W.

chains.

80.00 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, marked on brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S10 in NW.,
 S11 in NE.,
 S14 in SE. and
 S15 in SW. quadrant;
 dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.
 Feb. 20, 1916: At this cor., I set off 7° 50½' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 44½' N.

40.00 S.89° 59' E., on a random line, bet. secs. 11 and 14.
 Set temp. ¼ sec. cor.
 79.80 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence I run
 S.89° 57' W., on a true line, bet. secs. 11 and 14.
 Over rolling land, through dense undergrowth.
 5.00 Center of wash, 2 chs. wide, course NW.
 39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 ¼S11 in N. and
 S14 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, 3½ ft. base, 1½ ft. high, N. of cor.
 74.80 Wash, 50 lks. wide, course NW.
 79.80 The cor. of secs. 10, 11, 14 and 15.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

12.20 N.0° 1' W., bet. secs. 10 and 11.
 Over rolling land, through dense undergrowth.
 Wash, 50 lks. wide, course NW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 ¼S10 in W. and
 S11 in E. half;
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
 65.00 Center of wash, 1 ch. wide, course NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S3 in NW.,
 S2 in NE.,
 S11 in SE. and
 S10 in SW. quadrant;

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Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.

40.00 N.89° 57' E., on a random line, bet. secs. 2 and 11.
Set temp. ¼ sec. cor.
79.80 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 1, 2, 11 and 12.
Thence I run
S.89° 59' W., on a true line, bet. secs. 2 and 11.
Over rolling land, through dense undergrowth.
39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
1916 on S. rim;
¼S2 in N. and
S11 in S. half;
and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
79.80 The cor. of secs. 2, 3, 10 and 11.
Land, rolling desert.
Soil, sandy, and gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.
Feb.29, 1916.

Mar. 7, 1916: At 9 hrs. 0 m., a.m., l.m.t., I set off 34° 45' N. on the lat. arc; 5° 12' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 10 and 11.
Thence I run
40.00 N.0° 1' W., on a random line, bet. secs. 2 and 3.
Set temp. ¼ sec. cor,
79.92 Intersect N. bdy. of Tp., 28 lks. E. of the cor. of secs. 2, 3, 34 and 35, which is an iron post, established by A. S., as described in Book "A".
Thence I run
31.84 S.0° 13' E., on a true line, bet. secs. 2 and 3.
Over rolling land, through dense undergrowth.
33.12 Telegraph line, brs. N.65½° E. and S.65½° W.
34.39 Telegraph line, brs. N.65½° E. and S.65½° W.
39.92 Main track A. T. and S. F. R. R., brs. N.65½° E. and S.65½° W.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap
1916 on S. rim;
¼S3 in W. and
S2 in E. half;
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
43.90 Wash, 50 lks. wide, course SW.
58.10 Center of wash, 2 chs. wide, course W.
68.20 Center of wash, 60 lks. wide, course W.
79.92 The cor. of secs. 2, 3, 10 and 11.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood and palo verde.
Mar. 7, 1916.

Feb. 28, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off 34° 41' N. on the lat. arc; 8° 16' S. on the decl. arc;

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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 scattering undergrowth.

26.35 Center of wash, 1 ch. wide, course N.10° W.

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

1916 on S. rim;

1/4 S33 in W. and

S34 in E. half;

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

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on brass cap

1916 on S. rim;

T16N R19W in N. half;

S28 in NW.,

S27 in NE.,

S34 in SE. and

S33 in SW. quadrant;

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

Land, rolling desert.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, greasewood, palo verde, ocotillo and cacti.

40.00 S.89° 58' E., on a random line, bet. secs. 27 and 34.

80.00 Set temp. 1/4 sec. cor.

Intersect N. and S. line, 5 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence I run

West on a true line, bet. secs. 27 and 34.

Over rolling land, through dense undergrowth.

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

1916 on S. rim;

1/4 S27 in N. and

S34 in S. half;

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

50.00 Center of wash, 1 ch. wide, course NW.

80.00 The cor. of secs. 27, 28, 33 and 34.

Land, rolling desert.

Soil, gravelly; 3rd rate.

No timber.

Undergrowth, greasewood, palo verde, ocotillo and cacti.

R. D. A.

Feb. 28, 1916.

Mar. 1, 1916: A. S.

At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 42' N. on the lat. arc; 7° 30 1/2' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34.

Thence I run

N.0° 2' W., bet. secs. 27 and 28.

Over rolling land, through dense undergrowth.

20.00 Center of wash, 3 chs. wide, course NW.

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

1916 on S. rim;

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$\frac{1}{4}$ S28 in W. and
 $\frac{1}{4}$ S27 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 41.30 Wash, 40 lks. wide, course W.
 60.00 Center of wash, 1 ch. wide, course NW.
 80.00 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;
 T16N R19W 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, sandy and gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, and ocotillo.

40.00 East on a random line, bet. secs. 22 and 27.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line, 2 lks. N. of thd cor. of secs.
 22, 23, 26 and 27.
 Thence I run
 N.89° 59' W., on a true line, bet. secs. 22 and 27.
 Over rolling land, through dense undergrowth.
 7.30 Road, brs. NW. to Franconia and S. to Arrastre Wells.
 24.10 Wash, 25 lks. wide, course NW.
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
 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.
 52.10 Wash, 40 lks. wide, 10 ft. deep, course NW.
 80.10 The cor. of secs. 21, 22, 27 and 28.
 Land, rolling desert.
 Soil, sandy gravel; 3rd rate.
 No timber.
 Undergrowth, greasewood and palo verde.

N.0° 2' W., bet. secs. 21 and 22.
 Over rolling land, through dense undergrowth.
 21.00 Wash, 50 lks. wide, 10 ft. deep, course NW.
 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.
 56.80 Wash, 30 lks. wide, course NW.
 67.80 "Old Trails" Highway, brs. NW. and SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 15, 16, 21 and 22, marked on
 brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S16 in NW.,
 S15 in NE.,
 S22 in SE. and
 S21 in SW. quadrant;

Chains.

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.
 Land, rolling desert.
 Soil, gravel; 3rd rate.
 No timber.
 Undergrowth, greasewood.

40.00 S.89° 59' E., on a random line, bet. secs. 15 and 22.
 80.08 Set temp. ¼ sec. cor.
 Intersect N. and S. line, 4 lks. S. of the cor. of secs.
 14, 15, 22 and 23.

Thence I run
 S.89° 59' W., on a true line, bet. secs. 15 and 22.
 Over rolling land, through dense undergrowth.
 33.30 Center of wash, 160 lks. wide, course NW.
 40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., marked on brass cap
 1916 on S. rim;
 ¼S15 in N. and
 S22 in S. half;

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

41.40 Wash, 40 lks. wide, course NW.
 61.60 Road, brs. NW. to Franconia and SE. to Arrastre Wells.
 70.10 Wash, 50 lks. wide, course NW.
 80.08 The cor. of secs. 15, 16, 21 and 22.

Land, rolling desert.
 Soil, gravel; 3rd rate.
 No timber.
 Undergrowth, greasewood.
 Mar. 1, 1916: At this cor., I set off 7° 28' S. on the
 decl. arc; and at apparent noon, I observe the sun on
 the meridian; the resulting lat. is 34° 43½' N.

14.00 N.0° 2' W., bet. secs. 15 and 16.
 18.70 Over rolling land, through dense undergrowth.
 30.00 Wash, 30 lks. wide, course NW.
 40.00 Road, brs. NW. to Franconia, and SE. to Arrastre Wells.
 Wash, 30 lks. wide, 10 ft. deep, course NW.
 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the
 ground, for ¼ sec. cor., marked on brass cap

1916 on S. rim;
 ¼S16 in W. and
 S15 in E. half;
 and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

44.00 Center of wash, 1 ch. wide, course NW.
 65.00 Enter wash, course N.. Comes from SE.
 75.00 Leave wash, course NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 9, 10, 15 and 16, marked on
 brass cap

1916 on S. rim;
 T16N R19W in N. half;
 S9 in NW.,
 S10 in NE.,
 S15 in SE. and
 S16 in SW. quadrant;

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

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

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Subdivision of T. 16 N., R. 19 W.

Chains.

N. 89° 59' E., on a random line, bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.24 Intersect N. and S. line, at the cor. of secs. 10, 11, 14
 and 15.
 Thence I run
 S. 89° 59' W., on a true line, bet. secs. 10 and 15.
 Over rolling land, through scattering undergrowth.
 40.12 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;
 $\frac{1}{4}$ S10 in N. and
 S15 in S. half;
 dig pits, 18 X 18 X 12 ins., E. and W. of cor., 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, N. of cor.
 46.25 Wash, 35 lks. wide, course NW.
 79.65 Wash, 30 lks. wide, course NW.
 80.24 The cor. of secs. 9, 10, 15 and 16.
 Land, rolling desert.
 Soil, sand and gravel; 3rd rate.
 No timber.
 Undergrowth, greasewood, sagebrush, palo verde and cacti.
 A. S.
 Mar. 1, 1916.

Mar. 2, 1916: R. D. A.
 N. 0° 2' W., bet. secs. 9 and 10.
 Over rolling land, through dense undergrowth.
 .50 Wash, 30 lks. wide, course NW.
 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;
 $\frac{1}{4}$ S9 in W. and
 S10 in E. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 45.00 Center of Sacramento Wash, 3 chs. wide, course SW.
 61.60 Main line A. T. and S. F. R. R. brs. NE. and SW.
 62.70 Telegraph line, brs. NE. and SW.
 63.40 Telegraph line, brs. NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 3, 4, 9 and 10, marked on
 brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S4 in NW.,
 S3 in NE.,
 S10 in SE. and
 S9 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, sandy and gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde and cat claw.

N. 89° 59' E., on a random line, bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
 2, 3, 10 and 11.
 Thence I run
 West on a true line, bet. secs. 3 and 10.
 Over rolling land, through dense undergrowth.
 40.10 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;

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$\frac{1}{4}$ S 3 in N. and
 S10 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.

45.20 Center of Sacramento Wash, 3 chs. wide, course SW.
 56.00 Main line A. T and S. F. R. R. brs. N.45° E. and S.45° W.
 57.30 Telegraph line, brs. NE. and SW.
 58.30 Telegraph line, brs. NE. and SW.
 80.20 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling desert.
 Soil, sandy and gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde and cat claw.
 Mar. 2, 1916.
 R. D. A.

Mar. 7, 1916: A. S.
 At 8 hrs. 30 m., a.m., l.m.t., I set off 34° 45' N. on the
 lat. arc; 5° 12' S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 3, 4, 9,
 and 10,
 Thence I run
 N.0° 2' W., on a random line, bet. secs. 3 and 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.79 Intersect N. bdy. of Tp., 2 lks. E. of the cor. of secs.
 3, 4, 33 and 34, which is an iron post, established by
 me, as described in Book "A".
 Thence I run
 S.0° 3' E., on a true line, bet. secs. 3 and 4.
 Over rolling land, through dense undergrowth.
 39.79 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;
 $\frac{1}{4}$ S4 in W. and
 S3 in E. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 79.79 The cor. of secs. 3, 4, 9 and 10.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood.
 A. S.
 Mar. 7, 1916.

Mar. 1, 1916: R. D. A.
 At 9 hrs. 0 m., a.m., l.m.t., I set off 34° 41' N. on the
 lat. arc; 7° 30' S. on the decl. arc; and determine a
 meridian with the solar at the cor. of secs. 4, 5, 32
 and 33, 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. 32 and 33.
 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;
 $\frac{1}{4}$ 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.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 28, 29, 32 and 33, marked on
 brass cap
 1916 on S. rim;
 T16N R19W in N. half;

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	<p>S29 in NW., S28 in NE., S33 in SE. and S32 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.</p>
40.00	S.89° 58' E., on a random line, bet. secs. 28 and 33.
80.09	Set temp. ¼ sec. cor. Intersect N. and S. line, 7 lks. N. of the cor. of secs. 27, 28, 33 and 34. Thence I run N.89° 55' W., on a true line, bet. secs. 28 and 33. Over rolling land, through dense undergrowth.
23.80	Center of wash, 1 ch. wide, course N.30° W.
40.04½	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1916 on S. rim; ¼S28 in N. and S33 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
80.09	The cor. of secs. 28, 29, 32 and 33. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.
40.00	N.0° 2' W., bet. secs. 28 and 29. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1916 on S. rim; ¼S29 in W. and S28 in E. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
50.20	Center of wash, 1.50 chs. wide, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap 1916 on S. rim; T16N R19W in N. half; S20 in NW., S21 in NE., S28 in SE. and S29 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti. Mar. 1, 1916: At this cor., I set off 7° 28' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 42½' N.
40.00	S.89° 55' E., on a random line, bet. secs. 21 and 28.
80.00	Set temp. ¼ sec. cor. Intersect N. and S. line, 5 lks. S. of the cor. of secs.

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Chains.

21, 22, 27 and 28.
 Thence I run
 N.89° 57' W., on a true line, bet. secs. 21 and 28.
 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 N. and
 S28 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 47.50 Center of wash, 1 ch. wide, course NW.
 55.00 Center of wash, 2.50 chs. wide, course NW.
 80.00 The cor. of secs. 20, 21, 28 and 29.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

N.0° 2' W., bet. secs. 20 and 21.
 Over rolling land, through dense undergrowth.
 30.00 Center of wash, 3 chs. wide, course NW.
 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;
 $\frac{1}{4}$ 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.
 60.00 Center of wash, 70 lks. wide, course NW.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 16, 17, 20 and 21, marked on
 brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S17 in NW.,
 S16 in NE.,
 S21 in SE. and
 S20 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, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocotillo and cacti.

S.89° 57' E., on a random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line, 5 lks. N. of the cor. of secs.
 15, 16, 21 and 22.
 Thence I run
 N.89° 55' W., on a true line, bet. secs. 16 and 21.
 Over rolling land, through dense undergrowth.
 13.55 "Old Trails" Highway, brs. N.45° W. and S.45° E.
 39.97 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;
 $\frac{1}{4}$ S16 in N. and
 S21 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 N. of cor.
 79.94 The cor. of secs. 16, 17, 20 and 21.
 Land, rolling desert.
 Soil, gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood, ocotillo and palo verde.
 Mar. 1, 1916.

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Subdivision of T. 16 N., R. 19 W.

Chains.	
	<p>Mar. 2, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off $34^{\circ} 43\frac{1}{2}'$ N. on the lat. arc; $7^{\circ} 8'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.</p> <p>Thence I run $N.0^{\circ} 2' W.$, bet. secs. 16 and 17. Over rolling land, through dense undergrowth.</p> <p>16.50 "Old Trails" Highway, brs. NW. and SE. 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1916 on S. rim; $\frac{1}{4}$S17 in W. and S16 in E. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap 1916 on S. rim; T16N R19W in N. half; S8 in NW., S9 in NE., S16 in SE. and S17 in SW. quadrant; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood, ocotillo and cacti.</p> <p style="text-align: right;">R. D. A. Mar. 2, 1916.</p>
<p>40.00 79.98 5.00 15.00 38.50 39.99 59.30 79.98</p>	<p>Mar. 1, 1916: A. S. $S.89^{\circ} 55' E.$, on a random line, bet. secs. 9 and 16.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line, 2 lks. S. of the cor. of secs. 9, 10, 15 and 16.</p> <p>Thence I run $N.89^{\circ} 56' W.$, on a true line, bet. secs. 9 and 16. Over rolling land, through dense undergrowth.</p> <p>Enter wash, course NW. Leave wash, course NW.</p> <p>Wash, 25 lks. wide, course NW.</p> <p>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; $\frac{1}{4}$S9 in N. and S16 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.</p> <p>Road, brs. NW. to Franconia and SE. to Arrastre Wells.</p> <p>The cor. of secs. 8, 9, 16 and 17. Land, rolling desert. Soil, sandy and gravelly; 3rd rate. No timber. Undergrowth, greasewood.</p> <p style="text-align: right;">A. S. Mar. 1 and 2, 1916.</p>
<p>8.20 11.20 25.00</p>	<p>Mar. 2, 1916: R. D. A. $N.0^{\circ} 2' W.$, bet. secs. 8 and 9. Over rolling land, through dense undergrowth.</p> <p>Center of wash, 3 chs. wide, course $S.50^{\circ} W.$</p> <p>Road, brs. NW. to Franconia, and SE. to Arrastre Wells.</p> <p>Center of Sacramento Wash, 2 chs. wide, course $S.84^{\circ} W.$</p>

Chains.
 27.70 Main line A. T. and S. F. R. R. brs. N.84° 15' E. and S.84° 15' W.
 28.80 Telegraph line, parallel to R. R. track.
 30.30 Telegraph line, parallel to R. R. track.
 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;
 $\frac{1}{4}$ S8 in W. and
 S9 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., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap
 1916 on S. rim;
 T16N R19W in N. half;
 S5 in NW.,
 S4 in NE.,
 S9 in SE. and
 S8 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, gravelly and sandy; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, and cat claw.

40.00 S.89° 56' E., on a random line, bet. secs 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 3, 4, 9 and 10.
 Thence I run
 N.89° 59' W., on a true line, bet. secs. 4 and 9.
 Over rolling land, through dense undergrowth.
 26.20 Center of wash, 60 lks. wide, course SW.
 40.09 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;
 $\frac{1}{4}$ S4 in N. and
 S9 in S. half;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 80.18 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling desert.
 Soil, sandy, gravelly and rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood and ocotillo.
 Mar. 2, 1916: At this cor., I set off 7° 5' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 45' N.
 R. D.A.

A. S.
 40.00 N.0° 2' W., on a random line, bet. secs. 4 and 5.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.81 Intersect N. bdy. of Tp., 14 lks. W. of 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
 S.0° 4' W., on a true line, bet. secs. 4 and 5.
 Over rolling land, through scattering undergrowth.
 39.81 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;
 $\frac{1}{4}$ S5 in W. and
 S4 in E. half;

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Subdivision of T. 16 N., R. 19 W.

Chains.	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. 68.30 Wash, 30 lks. wide, course SW. 79.81 The cor. of secs. 4, 5, 8 and 9. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood.	A. S. Mar. 2, 1916.
30.00 40.00 62.40 80.00	Feb. 25, 1916: R.D. A. 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 N.0° 3' W., bet. secs. 31 and 32. Over rolling land, through dense undergrowth. Center of wash, 2 chs. wide, course NW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1916 on S. rim; ¼ S31 in W. and S32 in E. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Center of wash, 2 chs. wide, course NW. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap 1916 on S. rim; T16N R19W in N. half; S30 in NW., S29 in NE., S32 in SE. and S31 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling desert. Soil, gravelly and stony; 3rd rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.	Feb. 25, 1916.
40.00 79.90 39.95 59.00 79.90	Mar. 3, 1916: At 8 hrs. 0 m., a.m., l.m.t., I set off 34° 42' N. on the lat. arc; 6° 45' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32. Thence I run S.89° 58' E., on a random line, bet. secs. 29 and 32. Set temp. sec. cor. Intersect N. and S. line, 7 lks. N. of the cor. of secs. 28, 29, 32 and 33. Thence I run N.89° 55' 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., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1916 on S. rim; ¼ S29 in N. and S32 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Center of wash, 1 ch. wide, course NW. The cor. of secs. 29, 30, 31 and 32.	

Subdivision of T. 16 N., R. 19 W.

Chains.

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

40.00 N.89° 58' W., on a random line, bet. secs. 30 and 31.
Set temp. $\frac{1}{4}$ sec. cor.
78.37 Intersect W. bdy. of Tp., 23 lks. N. of the cor. of secs.
25, 30, 31 and 36, which is an iron post, established
by A. S., as described in Book "A".
Thence I run
N.89° 52' E., on a true line, bet. secs. 30 and 31.
Over rolling land, through dense undergrowth.
8.35 Center of wash, 50 lks. wide, course NW.
37.35 Center of wash, 1. chs. wide, course NW.
38.37 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;
 $\frac{1}{4}$ 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.
65.65 Center of wash, 2 chs. wide, course N.20° W.
78.37 The cor. of secs. 29, 30, 31 and 32.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood and palo verde.

Mar. 3, 1916.

Feb. 25, 1916.
N.0° 3' W., bet. secs. 29 and 30.
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;
 $\frac{1}{4}$ S30 in W. and
S29 in E. half;
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
W. of cor.
74.00 Center of wash, 1 ch. wide, course NW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 19, 20, 29 and 30; marked on
brass cap
1916 on S. rim;
T16N R19W 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 $\frac{1}{2}$ ft. high,
W. of cor.
Land, rolling desert.
Soil, gravelly; 3rd rate.
No timber.
Undergrowth, greasewood, palo verde, ocotillo and cacti.
Feb. 25, 1916.

Mar. 3, 1916.
S.89° 55' E., on a random line, bet. secs. 20 and 29.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect N. and S. line, 9 lks. S. of the cor. of secs.
20, 21, 28 and 29.
Thence I run
N.89° 59' W., on a true line, bet. secs. 20 and 29.
Over rolling land, through dense undergrowth.

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Subdivision of T. 16 N., R. 19 W.

Chains.	
16.25	Center of wash, 3 chs. wide, course NW.
40.03	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; $\frac{1}{4}$ S20 in N. and S29 in S. half; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.06	The cor. of secs. 19, 20, 29 and 30. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood and palo verde. Mar. 3, 1916: At this cor., I set off $6^{\circ} 42'$ S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is $34^{\circ} 42\frac{1}{2}'$ N.
40.00	S. $89^{\circ} 52'$ W., on a random line, bet. secs. 19 and 30 Set temp. $\frac{1}{4}$ sec. cor.
78.16	Intersect W. bdy. of Tp., 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, established by A. S., as described in Book "A". Thence I run N. $89^{\circ} 53'$ E., on a true line, bet. secs. 19 and 30. Over rolling land, through dense undergrowth.
15.00	Center of wash, 1.50 chs. wide, course NW.
37.80	Wash, 50 lks. wide, course NW.
38.16	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.
73.00	Center of wash, 1 ch. wide, course NW.
78.16	The cor. of secs. 19, 20, 29 and 30. Land, rolling desert. Soil, gravelly; 3rd rate. No timber. Undergrowth, greasewood and palo verde.
40.00	N. $0^{\circ} 3'$ W., bet. secs. 19 and 20. 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; $\frac{1}{4}$ 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.
52.40	Center of wash, 2 chs. wide, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap 1916 on S. rim; T16N R19W in N. half; S18 in NW., S17 in NE., S20 in SE. and S19 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, gravelly; 3rd rate. No timber. Undergrowth, greasewood and palo verde.

Subdivision of T. 16 N., R. 19 W.

23.

Chains.	S.89° 59' E., on a random line, bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line, at the cor. of secs. 16, 17, 20 and 21.
	Thence I run
	N.89° 59' W., on a true line, bet. secs. 17 and 20.
	Over rolling land, through dense undergrowth.
40.10	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; $\frac{1}{4}$ S17 in N. and S20 in S. half;
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
45.20	Center of wash, 1.50 chs. wide, course NW.
80.20	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling desert.
	Soil, gravelly; 3rd rate.
	No timber.
	Undergrowth, greasewood and palo verde.
	Mar. 3, 1916.
	Mar. 4, 1916: At 8 hrs. 0 m., a.m., 1. m.t., I set off 34° 43 $\frac{1}{2}$ ' N. on the decl. arc; 6° 22' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.
	Thence I run
	S.89° 53' W., on a random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.10	Intersect W. bdy. of Tp., 5 lks. N. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, established by A. S., as described in Book "A".
	Thence I run
	N.89° 51' E., on a true line, bet. secs. 18 and 19.
	Over rolling land, through dense undergrowth.
4.50	Center of wash, 1.50 chs. wide, course NW.
27.00	Center of wash, 75 lks. wide, course NW.
38.10	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; $\frac{1}{4}$ S18 in N. and S19 in S. half;
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
60.00	Center of wash, 2 chs. wide, course N.55° W.
78.10	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling desert.
	Soil, gravelly; 3rd rate.
	No timber.
	Undergrowth, greasewood, palo verde and cacti.
	N.0° 3' W., bet. secs. 17 and 18.
	Over rolling land, through dense undergrowth.
10.00	Center of wash, 1 ch. wide, course NW.
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; $\frac{1}{4}$ S18 in W. and S17 in E. half;
	dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
55.00	"Old Trails" Highway, brs. W. and S.45° E.
67.00	Road, brs. E. to Franconia and W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 8, 18 and 17, marked on

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Subdivision of T. 16 N., R. 19 W.

Chains.

	<p>brass cap 1916 on S. rim; T16N R19W in N. half; S7 in NW., S8 in NE., S17 in SE. and S18 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land, rolling desert. Soil, sandy and gravelly; 3rd rate. No timber. Undergrowth, greasewood and palo verde.</p>
40.00	S.89° 59' E., on a random line, bet. secs. 8 and 17.
80.09	Set temp. ¼ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 8, 9, 16 and 17. Thence I run N.89° 57' W., on a true line, bet. secs. 8 and 17. Over rolling land, through dense undergrowth.
13.60	Enter wash, course W. Comes from NE.
40.00	Leave wash, course SW.
40.04½	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1916 on S. rim; ¼S8 in N. and S17 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
58.30	Road, brs. NE. to Franconia and SW.
72.60	Center of wash, 3 chs. wide, course NW.
80.09	The cor. of secs. 7, 8, 17 and 18. Land, rolling desert. Soil, sandy and sandy loam, 2nd and 3rd rate. No timber. Undergrowth, greasewood, palo verde and cat claw. Mar. 4, 1916: At this cor., I set off 6° 19' S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 44½' N.
40.00	S.89° 51' W., on a random line, bet. secs. 7 and 18.
78.03	Set temp. ¼ sec. cor. Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, established by A. S., as described in Book "A". Thence I run N.89° 50' E., on a true line, bet. secs. 7 and 18. Over rolling desert, through dense undergrowth.
3.00	Center of wash, 3 chs. wide, course NW.
38.03	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap 1916 on S. rim; ¼S7 in N. and S18 in S. half; and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
78.03	The cor. of secs. 7, 8, 17 and 18. Land, rolling desert. Soil, sandy loam and sandy; 2nd and 3rd rate. No timber. Undergrowth, greasewood, palo verde and cat claw.

Subdivision of T. 16 N., R. 19 W.

25.

Chains.	
	N.0° 3' W., bet. secs. 7 and 8.
6.00	Over rolling land, through dense undergrowth.
19.00	Center of wash, 3 chs. wide, course NW.
19.80	Center of Sacramento Wash, 2 chs. wide, course S 85° W.
	Main line A. T. and S. F. R. R. brs. N.84° 15' E. and
	S.84° 15' W.
	Telegraph Operator's House, Franconia, brs. N.84° E.
	Section House, Franconia, brs. N.84° E.
20.70	Telegraph line, brs. N.84° E. and S. 84° W.
21.30	Telegraph line, brs. N.84° E. and S.84° W.
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;
	$\frac{1}{4}$ S7 in W. and
	S8 in E. half;
	dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
	dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
	high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
	ground, for cor. of secs. 5, 6, 7 and 8, marked on
	brass cap
	1916 on S. rim;
	T16N R19W in N. half;
	S6 in NW.,
	S5 in NE.,
	S8 in SE. and
	S7 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, sand and sandy loam, 2nd and 3rd rate.
	No timber.
	Undergrowth, greasewood, palo verde and cat claw.
40.00	S.89° 57' E., on a random line, bet. secs. 5 and 8.
80.06	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line, 16 lks. S. of the cor. of secs.
	4, 5, 8 and 9.
	Thence I run
	S.89° 56' W., on a true line, bet. secs. 5 and 8.
10.05	Over rolling land, through dense undergrowth.
29.05	Center of wash, 60 lks. wide, course S.
30.05	Road, brs. N. and S. to Franconia.
40.03	Center of wash, 1.50 chs. wide, course S.
	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;
	$\frac{1}{4}$ S5 in N. and
	S8 in S. half;
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	N. of cor.
52.15	Section House, Franconia, brs. S.34° 15' E.
80.06	Telegraph Operator's House, Franconia, brs. S.31° 10' E.
	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling desert.
	Soil, gravelly and rocky; 3rd rate.
	No timber.
	Undergrowth, greasewood and ocotillo.
40.00	S.89° 50' W., on a random line, bet. secs. 6 and 7.
77.97	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect W. bdy. of Tp , 9 lks. S. of the cor. of secs.
	1, 6, 7 and 12, which is an iron post, established by
	A. S., as described in Book "A".
	Thence I run

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Subdivision of T. 16 N., R. 19 W.

Chains.

37.97 N.89° 54' E., on a true line, bet. secs. 6 and 7.
 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;
 $\frac{1}{4}$ S6 in N. and
 S7 in S. half;
 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

77.97 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling desert.
 Soil, gravelly and rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, palo verde, and ocotillo.
 R. D. A.
 Mar. 4, 1916.

40.00 Mar. 2, 1916: A. S.
 N.0° 3' W., on a random line, bet. secs. 5 and 6.
 Set temp. $\frac{1}{4}$ sec. cor.

79.85 Intersect N. bdy. of Tp., 14 lks. W. of the cor. of secs.
 5, 6, 31 and 32, which is an iron post, established by
 me, as described in Book "A".
 Thence I run
 S.0° 3' W., on a true line, bet. secs. 5 and 6.
 Over rolling land, through dense undergrowth.

39.85 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;
 $\frac{1}{4}$ S6 in W. and
 S5 in E. half;
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high, W. of cor.

79.85 The cor. of secs. 5, 6, 7 and 8.
 Land, rolling desert.
 Soil, sandy and gravelly; 3rd rate.
 No timber.
 Undergrowth, greasewood.
 A. S.
 Mar. 2 and 4, 1916.

GENERAL DESCRIPTION.

This township consists of level and rolling land, covered with a dense growth of greasewood, palo verde, ocotillo and cacti undergrowth. The drainage of the land in the NW. cor. is southerly, the remainder west and north westerly to the Sacramento Wash, which flows westerly through the township.

The Atchison, Topeka and Santa Fe R. R. runs through the northwest cor. of the township. Fransonia, located in the SE. $\frac{1}{4}$ of sec. 8, consists of a section house and telegraph operator's house.

The soil is mostly sand and gravel, 3rd rate, with some rocky sections. There are no settlers in the township, nor is any water developed here.

For Certificate of U.S. Surveyor and U.S. Transitman
see page I¹, Book "B" of this Group.

FINAL OATH OF UNITED STATES SURVEYOR.

BOOK 2951

27

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 accord-
ance 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 _____
Township 16 North, Range 19 West
of the Gila and Salt River Base and Meridian
in the 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.

Surveyor General.
of Arizona.

~~I certify that the foregoing transcript of the field notes of the above described surveys in _____
Book "B" Group 42, has been correctly copied from the original notes on file in this office.~~