

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

FRACTIONAL TOWNSHIP 16¹ NORTH, RANGE 17, WEST.

2948

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Albert Smith, Jr., U. S. Surveyor,

and

J. M. McKinney, Jr., U.S. Transitman,

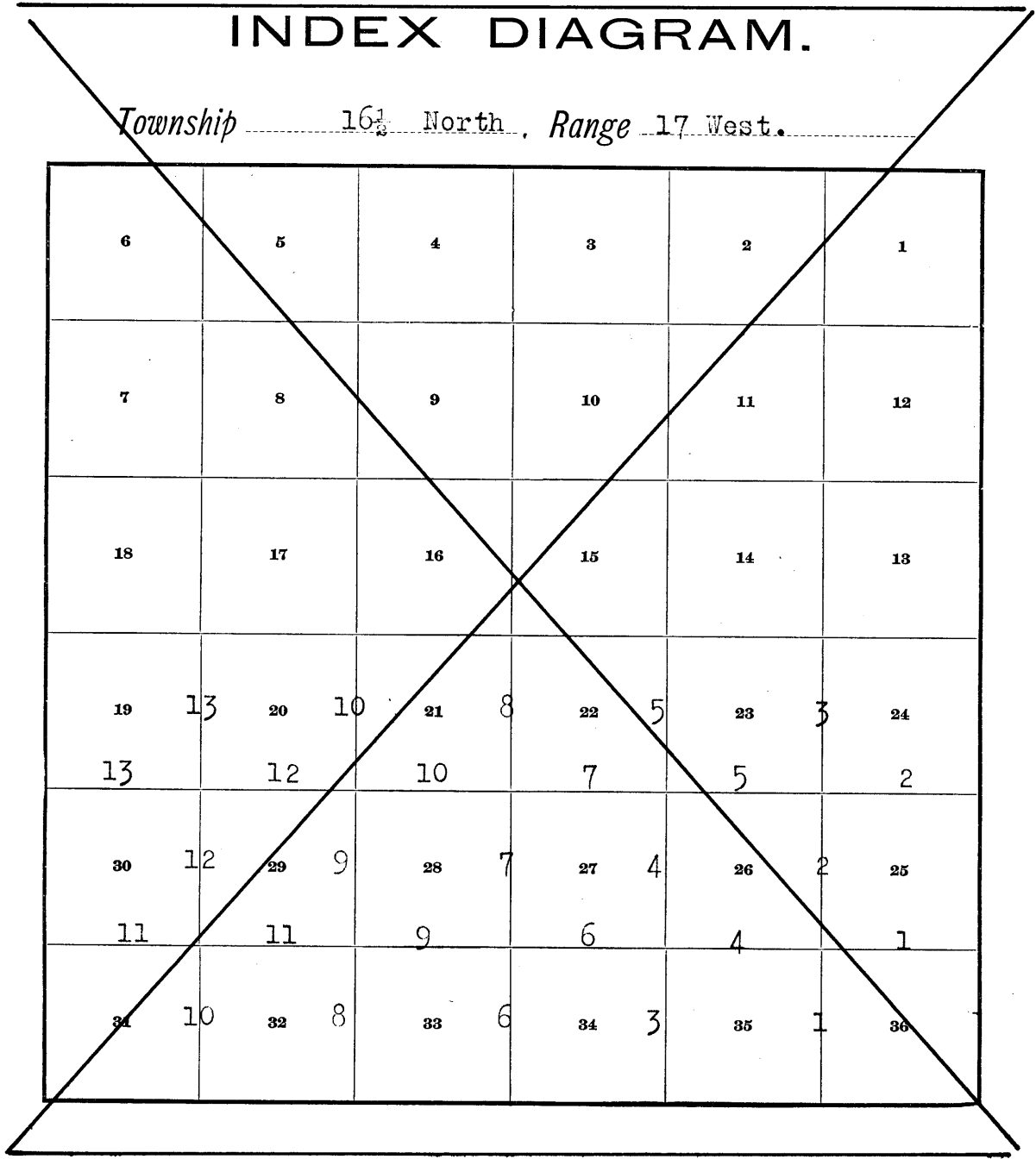
2948

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 May 18, *1915.*

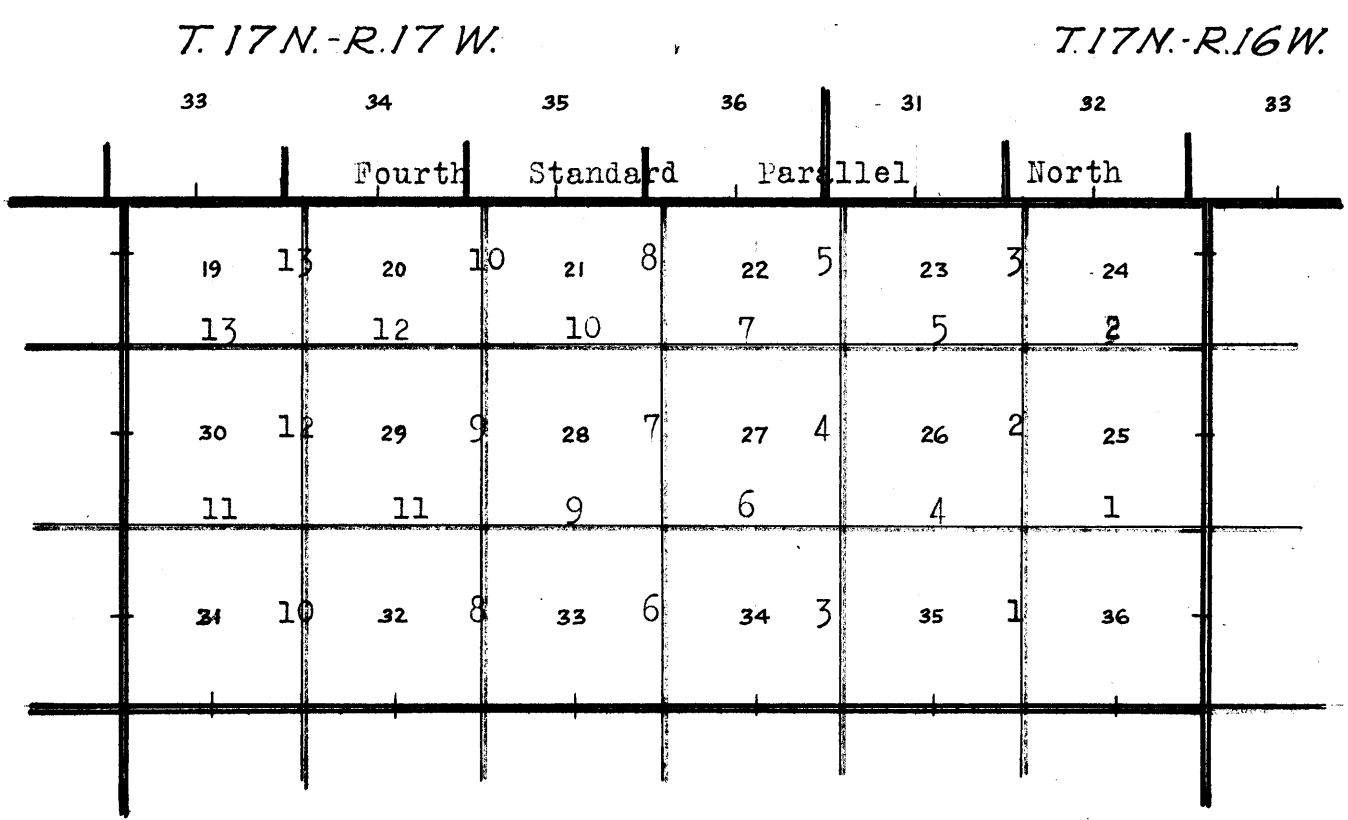
Survey completed May 21, *1915.*

SEE SPECIAL INDEX DIAGRAM



(1A)

Book "P"
 Group 42, Arizona
 (Subdivisions.) BOOK 2948
 INDEX DIAGRAM.
 FRACTIONAL TOWNSHIP 16½ NORTH, RANGE 17 WEST.



- Township Exteriors. Notes in Book "A"
- Subdivision lines surveyed under this Group.
- Lines surveyed under Group 41.
- Lines surveyed under Group 46.

BOOK 2948
18

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

Chains.

Survey commenced May 18, 1915, and executed jointly by Albert Smith, Jr., U. S. Surveyor, and J. M. McKinney, Jr., U. S. Transitman, with Young and Sons' light mountain transits Nos. 8540 and 8483, respectively, with Smith solar attachments. For description of instruments and certificate of approval, see Book "A", and subdivision of T. 13 N., R. 18 W. in book "C"

In the following field notes, the initials A. S. and J. M. M. refer to Albert Smith, Jr., U. S. Surveyor, and J. M. McKinney, Jr., U. S. Transitman, respectively.

Knowing from recent and repeated tests of these instruments on a meridian established by observations on Polaris, that they are in adjustment, we proceed to the subdivision of fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

A. S. and J. M. M.

J. M. M.

At 8 hrs. 3 m., a.m., l.m.t., I set off 34° 46' N. on the lat. arc; 19° 25' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36 on the E. 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, desert land, through scattering undergrowth.

40.00 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
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S36 in E. and
S35 in W. 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.

48.60 Wash, 50 lks. wide, course SW.

52.50 Wash, 50 lks. wide, course SW.

78.40 Wash, 60 lks. wide, course SW.

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

1915 on S. rim;
T16 $\frac{1}{2}$ N R17W in N. half;
S26 in NW.,
S25 in NE.,
S36 in SE. and
S35 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 loam, depth unknown; 2nd and 3rd rate.

No timber.

Undergrowth, greasewood, cat claw, yucca and cacti.

40.00 N.89° 57' E., on a random line, bet. secs. 25 and 36. Set temp. $\frac{1}{4}$ sec. cor.

79.89 Intersect E. bdy. of the Tp., at 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° 57' W., on a true line, bet. secs. 25 and 36.

Over rolling, desert land, through scattering undergrowth.

6.40 Wash, 50 lks. wide, course NW.

21.70 Same wash, course SW.

39.94 $\frac{1}{2}$ 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

1915 on S. rim;
S25 in N.,
S36 in S. and
 $\frac{1}{4}$ in W. half;

2.

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

Chains.	<p>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>54.90 Same wash, course NW.</p> <p>69.60 Road, brs. NW. to Yucca, and SE. to Signal.</p> <p>69.90 Same wash, 50 lks. wide, course SW.</p> <p>70.00 Telephone line, brs. about N. 40° W. to Yucca, and S. 40° E. to Seneca Ranch.</p> <p>79.89 The cor. of secs. 25, 26, 35 and 36. Land, rolling desert; drains SW. Soil, sandy loam, depth unknown; 2nd and 3rd rate. No timber. Undergrowth, cat claw, yucca and cacti.</p>
7.40	<p>N.0° 1' W., bet. secs. 25 and 26. Over rolling, desert land, through scattering undergrowth. Telephone line, brs. about N. 40° W., to Yucca, and S. 40° E. to Seneca Ranch.</p>
10.50	Road, brs. NW. to Yucca, and SE. to Signal.
40.00	<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 1915 on S. rim; $\frac{1}{4}$ in N., S25 in E. and S26 in W. half;</p>
75.00	Wash, 20 lks. wide, course SW.
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap 1915 on S. rim; T16$\frac{1}{2}$N R17W in N. half; S23 in NW., S24 in NE., S25 in SE. and S26 in SW. quadrant;</p>
	<p>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 loam, 2nd and 3rd rate; gravel subsoil at 18 ins. No timber. Undergrowth, greasewood, yucca and cacti. May 18, 1915: At this cor., I set off 19° 27' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 48' N.</p>
40.00	N.89°57' E., on a random line, bet. sec. 25 and frac. sec. 24. Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect E. bdy. of Tp., 9 lks. N. 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
39.92	N.89° 59' W., on a true line, bet. sec. 25 and frac. sec. 24. Over rolling, desert land, through scattering undergrowth. Impracticable to set iron post. at this point. Set a granite stone, 16 X 10 X 8 ins., 10 ins. in the ground, on rock ledge, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. surface; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
44.85	Wash, 20 lks. wide, course SW.
79.84	The cor. of secs. 23, 24, 25 and 26.

Chains.

Land, rolling desert; drains SW.
 Soil, sandy loam, 2nd and 3rd rate; gravel subsoil at 16 ins.
 No timber.
 Undergrowth, greasewood, yucca and cacti.
 May 18, 1915.

May 21, 1915.
 N.0° 1' W., bet. fractional secs. 23 and 24.
 Over rolling, desert land, through scattering undergrowth.

1.40
 35.00
 40.00

Wash. 40 lks. wide, course SW.
 Wash, 3 chs. wide, course W.
 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, on solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S24 in E. and
 S23 in W. 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.

64.46

Intersect the Fourth Standard Parallel North, 9.18 chs. E. of the standard cor. of secs. 31 and 32, T. 17 N., R. 16 W., which is an iron post, firmly set, 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 fractional secs. 23 and 24, marked on brass cap,
 1915 on S. rim;
 CC S. of center;
 T17N R16W, S31, S32 in N., and
 T16 $\frac{1}{2}$ N R17W in S. half;
 S24 in SE. and
 S23 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
 Land, rolling desert.
 Soil, shallow, rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, cat claw, yucca and cacti.
 May 21, 1915.

May 19, 1915.
 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, desert land, through scattering 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
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S35 in E. and
 S34 in W. 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.

51.80
 64.60
 80.00

Wash, 50 lks. wide, course SW.
 Wash, 30 lks. wide, course SW.
 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap
 1915 on S. rim;
 T16 $\frac{1}{2}$ N R17W in N. half;

4. Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

Chains.

	<p>S27 in NW., S26 in NE., S35 in SE. and S34 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; drains SW. Soil, sandy loam, depth unknown; 2nd and 3rd rate. No timber. Undergrowth, greasewood, cat claw, yucca and cacti.</p>
40.00	N. 89° 57' E., on a random line, bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, at the cor. of secs. 25, 26, 35 and 36. Thence I run S. 89° 57' W., on a true line, bet. secs. 26 and 35. Over rolling, desert land, through scattering undergrowth.
39.96	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 1915 on S. rim; S26 in N., S35 in S. and $\frac{1}{4}$ in W. 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. May 19, 1915; At this cor., I set off 19° 40' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 47' N.
79.92	The cor. of secs. 26, 27, 34 and 35. Land, rolling desert. Soil, sandy loam, 2nd and 3rd rate; gravel subsoil at 20 ins. No timber. Undergrowth, greasewood, yucca and cacti. May 19, 1915.
	May 21, 1915. N. 0° 1' W., bet. secs. 26 and 27. Over rolling, desert land, through scattering undergrowth.
14.80	Wash, 20 lks. wide, course W.
40.00	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 1915 on S. rim; $\frac{1}{4}$ in N., S26 in E. and S27 in W. 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.
47.20	Wash, 50 lks. wide, course W.
67.30	Telephone line, brs. about N. 40° W., to Yucca and S. 40° E. to Seneca Ranch.
71.70	Road, brs. NW. to Yucca, and SE. to Signal.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap 1915 on S. rim; T16 $\frac{1}{2}$ N R17W in N. half; S22 in NW., S23 in NE., S26 in SE. and S27 in SW. quadrant;

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W. 5.

Chains.
 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; drains W.
 Soil, sandy loam, 2nd and 3rd rate; gravel subsoil at 20 ins.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

40.00 N.89° 57' E., on a random line, bet.sec.26. & frac.sec.23.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 23, 24, 25 and 26.
 Thence I run
 S.89° 56' W., on a true line, bet.sec.26 & frac.sec.23.
 Over rolling, desert land, through scattering undergrowth.
 12.65 Wash, 40 lks. wide, course SW.
 39.98 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
 1915 on S. rim;
 S23 in N.,
 S26 in S. and
 $\frac{1}{4}$ in W. 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.
 79.96 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling desert; drains W.
 Soil, shallow, rocky; 3rd rate.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

N.0° 1' W., bet.frac.secs. 22 and 23.
 Over rolling, desert land, through scattering undergrowth.
 37.00 Wash, 2 chs. wide, course W.
 40.00 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
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S23 in E. and
 S22 in W. 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.
 64.52 Intersect the Fourth Standard Parallel North, 9.29 chs. E. of the standard cor. of Tps. 17 N., Rs. 16 and 17 W., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.
 At the point of intersection, I set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of frac.secs.22 and 23, marked on brass cap,
 1915 on S. rim;
 CC S. of center;
 T17N, R17W, S36, R16W, S31 in N. and
 T16 $\frac{1}{2}$ N R17W in S. half;
 S23 in SE. and
 S22 in SW. quadrant;
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
 Land, rolling desert; drains W.
 Soil, sandy, 2nd and 3rd rate; gravel subsoil at 18 ins.
 No timber.
 Undergrowth, greasewood, yucca, cat claw and cacti.

J. M. M.
 May 21, 1915.

6

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

Chains.

May 20, 1915: A. S.

At 7 hrs. 30 m., a.m., l.m.t., I set off 34° 46' N. on the lat. arc; 19° 51 $\frac{1}{2}$ ' 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. bay 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, desert 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
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S34 in E. and
S33 in W. 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 Leave rolling, enter mountainous land, brs. E. and W. Asc. S. slope, 305 ft. to

72.80 Top of butte; desc. N. slope, 225 ft. to

80.00 Impracticable to set an iron post at this point. Set a granite stone, 18 X 14 X 8 ins., 15 ins. in a mound of stone, for cor. of secs. 27, 28, 33 and 34, marked with 3 notches on E. and 1 notch on S. edge; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, rolling desert and mountainous.

Soil, sandy and rocky; 2nd and 4th rate.

No timber.

Undergrowth, greasewood, yucca and cacti.

A. S.

May 20, 1915.

May 21, 1915. J. M. M.

At 9 hrs. Om. a.m., l.m.t., I set off 34° 47' N. on the lat. arc; 20° 4' N. 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. 89° 57' E., on a random line, bet. secs. 27 and 34.

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

79.94 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 26, 27, 34 and 35,

Thence I run

S. 89° 56' W., on a true line, bet. secs. 27 and 34.

21.95 Over rolling, desert land, through scattering undergrowth.

Leave rolling land, brs. N. and S. Asc. broken NE. slope, 120 ft. to

38.75 Top of spur, which extends about 16 chs. N. Top of butte brs. S. about 12 chs. dist. Desc. broken NW. slope, 160 ft.

39.97 Impracticable to set an iron post at this point. Set a sandstone, 16 X 10 X 6 ins., 10 ins. in the ground, on solid rock, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

59.95 Gulch, course NW. Asc. NE. slope, 60 ft. to

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

Land, rolling and mountainous.

Soil, on slopes, shallow, rocky, decomposed granite and sandstone, 4th rate; on desert, 2nd and 3rd rate; sandy loam.

No timber.

Undergrowth, greasewood, yucca, and cacti.

J. M. M.

May 21, 1915.

Subdivision of Fractional T. 16 1/2 N., R. 17 W.

Chains	
	<p>May 20, 1915: A. S. N.0° 2' W., bet. secs. 27 and 28. Over rolling land, through scattering undergrowth. Desc. N. slope to</p>
2.80	Foot of desc; brs. E. and W.
25.30	Wash, 40 lks. wide, course W.
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap 1915 on S. rim; 1/4 in N., S27 in E. and S28 in W. half;</p> <p>dig pits, 18 X 18 X 12 ins., N; and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.</p>
80.00	<p>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</p> <p>1915 on S. rim; T16 1/2 N R17 W in N. half; S21 in NW., S22 in NE., S27 in SE. and S28 in SW. quadrant;</p> <p>dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land, rolling desert. Soil, sandy and gravelly, 2nd and 3rd rate. No timber. Undergrowth, greasewood, yucca and cacti. May 20, 1915: At this cor., I set off 19° 53' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 48' N.</p>
40.00	N.89° 56' E., on a random line, bet. sec. 27 & frac. sec. 22. Set temp. 1/4 sec. cor.
79.95	Intersect N. and S. line, 2 lks. N of the cor. of secs. 22, 23, 26 and 27. Thence I run
	S.89° 57' W., on a true line, bet. sec. 27 & frac. sec. 22.
	Over rolling, desert land, draining W., through scattering undergrowth.
11.30	Road, brs. NW. to Yucca, and SE. to Signal.
17.20	Telephone line, brs. about N. 40° W. to Yucca, and S. 40° E. to Seneca Ranch.
37.00	Enter mountainous land, brs. N. and S. Asc. E. slope, 80 ft.
39.97 1/2	Impracticable to set iron post at this point. Set a granite stone, 16 X 10 X 8 ins., 9 ins. in the ground, on solid rock, in a mound of stone, 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. Pits impracticable.
45.00	Spur, extends about 16 chs. NE. Thence along broken N. slope.
62.50	Desc. NW. slope, 175 ft. to
70.95	Foot of desc., brs. NE. and SW. Thence over rolling, desert land,
79.95	<p>The cor. of secs. 21, 22, 27 and 28. Land, rolling and mountainous. Soil, rocky, 4th rate on mountains, sandy loam, 2nd and 3rd rate on desert. No timber. Undergrowth, greasewood, yucca, and cacti.</p>

Chains
 N. 0° 2' W., bet. frac. secs. 21 and 22.
 Over rolling, desert land, through dense undergrowth.
 .50 Wash, 20 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
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S22 in E. and
 S21 in W. 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.
 47.30 Telephone line, brs. NW. to Yucca and SE. to Seneca Ranch.
 51.20 Road, brs. NW. to Yucca, and SE. to Signal.
 64.67 Intersect the Fourth Standard Parallel North, 9.32 chs. E.
 of the Standard cor. of secs. 35 and 36, T. 17 N., R.
 17 W., which is an iron post, properly set, marked and
 witnessed as described by the Surveyor-General.
 At the point of intersection, I set an iron post, 3 ft.
 long, 2 ins. diam., 26 ins. in the ground, for closing
 cor. of frac. secs. 21 and 22, marked on brass cap,
 1915 on S. rim;
 CC S. of center;
 T17N R17W, S35, S36, in N. and
 T16 $\frac{1}{2}$ N R17W in S. half;
 S22 in SE. and
 S21 in SW. quadrant;
 dig pits, 24 X 18 X 12 ins., crosswise on each line,
 E. and W., 3 ft., and S. of post, 7 ft. dist.; and
 raise a mound of earth, 4 ft. base, 2 ft. high, S. of
 cor.
 Land, rolling desert.
 Soil, gravelly; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, yucca and cacti.
 May 20, 1915.

May 19, 1915: Cloudy; run back and foresight line.
 From 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", I run
 N. 0° 2' W., bet. secs. 32 and 33.
 Over rolling, desert 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
 1915 on S. rim;
 $\frac{1}{4}$ in N.,
 S33 in E. and
 S32 in W. 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., 26 ins. in the
 ground, for cor. of secs. 28, 29, 32 and 33, marked on
 brass cap
 1915 on S. rim;
 T16 $\frac{1}{2}$ N R17W in N. half;
 S29 in NW.,
 S28 in NE.,
 S33 in SE. and
 S32 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 loam, 2nd rate.
 No timber.

BOOK 2948

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

9.

Chains.

Undergrowth, greasewood, yucca, ocatilla and cacti.
May 19, 1915.

- May 20, 1915.
N.89° 57' E., on a random line, bet. secs. 28 and 33.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.08 Intersect N. and S. line, at the cor. of secs. 27, 28,
33 and 34,
Thence I run
S.89° 57' W., on a true line, bet. secs. 28 and 33.
Over mountainous land, through dense undergrowth.
Desc. 70 ft. to
5.00 Asc. NE. slope, 150 ft. to
28.30 Top of asc.; desc. NW. slope, 125 ft. to
37.10 Leave mountainous land, b'rs. N. and S.; thence over roll-
ing desert.
40.04 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
1915 on S. rim;
S28 in N.,
S33 in S. and
 $\frac{1}{4}$ in W. 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.
80.08 The cor. of secs. 28, 29, 32 and 33.
Land, mountainous and rolling desert.
Soil, sandy and rocky; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.
May 20, 1915.

- May 19, 1915.
N.0° 2' W., bet. secs. 28 and 29.
Over rolling, desert 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
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S28 in E. and
S29 in W. 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.
61.50 Wash, 40 lks. wide, course SW.
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
1915 on S. rim;
T16 $\frac{1}{2}$ N R17W 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, sandy and gravelly; 2nd and 3rd rate.
No timber.
Undergrowth, greasewood, yucca, ocatilla and cacti.
May 19, 1915.

10 Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W.

Chains.	<p>May 20, 1915. N.89° 57' E., on a random line, bet. sec. 28 & frac. sec. 21</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 21, 22, 27 and 28. Thence I run S.89° 56' W., on a true line, bet. sec. 28 & frac. sec. 21. Over rolling, desert land, through dense undergrowth. Wash, 20 lks. wide, course SW.
.40	Wash, 20 lks. wide, course SW.
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 1915 on S. rim; S21 in N., S28 in S. and $\frac{1}{4}$ in W. 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.
80.02	The cor. of secs. 20, 21, 28 and 29. Land, rolling desert. Soil, sandy and stony; 2nd and 3rd rate. No timber. Undergrowth, greasewood, yucca, ocatilla and cacti.
40.00	N.0° 2' W., bet. frac. secs. 21 and 20. Over rolling, desert 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 1915 on S. rim; $\frac{1}{4}$ in N., S21 in E. and S20 in W. 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.
64.82	Intersect the Fourth Standard Parallel North, 9.42 chs. E. of the standard cor. of secs. 34 and 35, T. 17 N., R. 17 W., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General. At the point of intersection, I set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of frac. secs. 20 and 21, marked on brass cap, 1915 on S. rim; CC S. of center; T17N R17W, S34, S35 in N. and T16 $\frac{1}{2}$ N R17W in S. half; S21 in SE. and S20 in SW. quadrant; dig pits, 24 X 18 X 12 ins., crosswise on each line, E., and W., 3 ft., and S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor. Land, rolling desert. Soil, sandy and gravelly; 2nd and 3rd rate. No timber. Undergrowth, greasewood, yucca, ocatilla and cacti. May 20, 1915.
40.00	May 18, 1915. 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, desert 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 1915 on S. rim;

Subdivision of Fractional T. 16 1/2 N., R. 17 W. 11.

Chains.

1/4 in N.,
 S32 in E. and
 S31 in W. half;
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 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. 29, 30, 31 and 32, marked on brass cap

1915 on S. rim;
 T16 1/2 N R17 W 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 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood, cacti, ocatilla and yucca.
 May 18, 1915.

May 19, 1915.

40.00 N.89° 57' E., on a random line, bet. secs. 29 and 32.
 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence I run

40.00 S.89° 55' W., on a true line, bet. secs. 29 and 32.
 Over rolling, dexert 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

1915 on S. rim;
 S29 in N.,
 S32 in S. and
 1/4 in W. half;

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.00 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood, yucca and cacti.
 May 19, 1915.

May 18, 1915.

40.00 S.89° 57' W., on a random line, bet. secs. 30 and 31.
 Set temp. 1/4 sec. cor.

78.34 Intersect W. bdy. of Tp., 4 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

30.75 N.89° 55' E., on a true line, bet. secs. 30 and 31.
 Over rolling, desert land, through dense undergrowth.
 Road, brs. N. and S.

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

1915 on S. rim;
 S30 in N.,
 S31 in S. and
 1/4 in W. half;

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

12 Subdivision of Fractional T. 16 1/2 N., R. 17 W.

Chains.

78.34 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood, yucca, ocatilla and cacti.
 May 18, 1915: At this cor., I set off 19° 27' N. on the
 lat. arc; and at apparent noon I observe the sun on the
 meridian; the resulting lat. is 34° 47' N.
 May 18, 1915.

27.70 May 19, 1915.
 N. 0° 3' W., bet. secs. 29 and 30.
 Over rolling, desert land, through dense undergrowth.
 Wash, 1 ch. wide, course W.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for 1/4 sec. cor., marked on brass cap
 1915 on S. rim;
 1/4 in N., half;
 S29 in E. and
 S30 in W. half;
 dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
 dist.; and raise a mound of earth, 3 1/2 ft. base, 1 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. 19, 20, 29 and 30, marked on
 brass cap
 1915 on S. rim;
 T16 1/2 N R17 W in N. half;
 S19 in NW.,
 S20 in NE.,
 S29 in SE. and
 S30 in SW. quadrant;
 dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.;
 and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high,
 W. of cor.
 Land, rolling desert.
 Soil, sandy and gravelly; 2nd and 3rd rate.
 No timber.
 Undergrowth, greasewood, yucca and cacti.

40.00 N. 89° 55' E., on a random line, bet. sec. 29, & frac. sec. 20.
 Set temp. 1/4 sec. cor.
 80.00 Intersect N. and S. line, 11 lks. N. of the cor. of secs.
 20, 21, 28 and 29.
 Thence I run
 West on a true line, bet. sec. 29 and frac. sec. 20.
 Over rolling, desert 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
 1915 on S. rim;
 S20 in N.,
 S29 in S. and
 1/4 in W. half;
 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.
 dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.
 high, N. of cor.
 80.00 The cor. of secs. 19, 20, 29 and 30.
 Land, rolling desert.
 Soil, sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood, palo verde, ocatilla and cacti.

Subdivision of Fractional T. 16 $\frac{1}{2}$ N., R. 17 W. 13.

Chains.

40.00 S. 89° 55' W., on a random line, bet. sec. 30 & frac. sec. 19.
Set temp. $\frac{1}{4}$ sec. cor.

78.22 Intersect W. bdy. of Tp., 7 lks. N. 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
N. 89° 52' E., on a true line, bet. sec. 30 & frac. sec. 19
Over rolling, desert land, through dense undergrowth.
Road, brs. N. and S.

24.90

38.22 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
1915 on S. rim;
S19 in N.,
S30 in S. and
 $\frac{1}{4}$ in W. 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.

78.22 The cor. of secs. 19, 20, 29 and 30.
Land, rolling desert.
Soil, sandy loam, 2nd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.
May 19, 1915: At this cor., I set off 19° 40' 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. 0° 3' W., bet. frac. secs. 19 and 20.
Over rolling, desert 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
1915 on S. rim;
 $\frac{1}{4}$ in N.,
S20 in E. and
S19 in W. 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.

64.88 Intersect the Fourth Standard Parallel North, 9.60 chs. E. of the standard cor. of secs. 33 and 34, T. 17 N., R. 17 W., which is an iron post, firmly set, marked and witnessed as described by the Surveyor-General.
At the point of intersection, I set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of frac. secs. 19 and 20, marked on brass cap,
1915 on S. rim;
CC S. of center;
T17N R17W, S33, S34, in N. and
T16 $\frac{1}{2}$ N R17W in S. half;
S20 in SE. and
S19 in SW. quadrant;
dig pits, 24 X 18 X 12 ins., crosswise on each line, E. and W., 3 ft., and S. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.
Land, rolling desert.
Soil, sandy and gravelly; 2nd rate.
No timber.
Undergrowth, greasewood, yucca and cacti.
May 19, 1915.
A. S.

GENERAL DESCRIPTION.

The land in this fractional Tp., is principally rolling desert. The soil is principally a sandy loam, classed as 2nd and 3rd rate. There are no settlers, and no indication of mineral.

W. H. ...
T. H. ...

For **FINAL OATH OF UNITED STATES SURVEYOR.**
See Book "C"

BOOK 2948

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 16 1/2 North, Range 17 West,

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

executed by Albert Smith, Jr., U.S. Surveyor, & J.M. McKinney, Jr., 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 _____, has been correctly copied from the original notes on file in this office.~~