

BOOK "S"  
FIELD NOTES

OF THE SURVEY OF THE

Completion of the Subdivision Lines of  
Fractional  
Township 16 1/2 North - Range 13 West

Of the Gila & Salt River Base & Meridian,

In the State of Arizona

EXECUTED BY

H. N. Bradstreet

and

Carl Dyson

In the capacity of U. S. <sup>Transitmen</sup>~~Surveyor~~, under instructions dated Dec. 28, 1914,  
issued by the United States Surveyor General to govern surveys included in  
Group No. 41, which were approved by the Commissioner of the General Land  
Office, Jan. 22, 1915.

Survey commenced June 11, 1915

Survey completed June 15, 1915

Re-executed under assignment instructions dated Apr. 1-10 & 26, 1915

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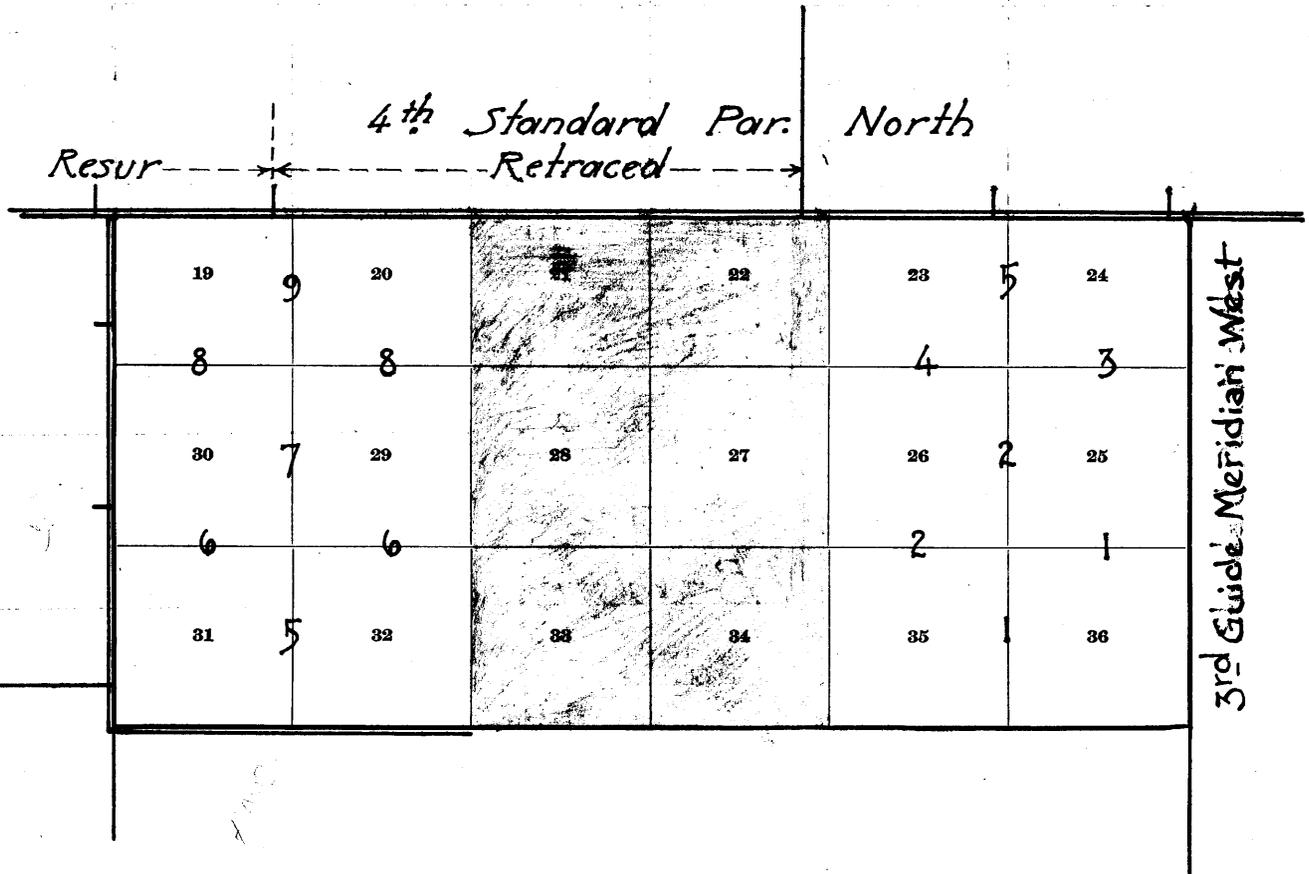
(A)

# Book "S"

BOOK 2980

## INDEX DIAGRAM.

Township 16½ North, Range 13 West



- Notes in Book "A".
- Surveyed under Gp. 46.
- Surveyed lines.

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

Chains.

- Survey commenced June 11, 1915, and executed jointly by H. N. Bradstreet and Carl Dyson, U. S. Transitmen, with Young and Sons' light mountain transits Nos. 7109 and 8539, respectively, with Smith solar attachments. For description of instrument and certificate of approval, see subdivision of T. 15 N., R. 13 W. For tests of adjustment, see North Boundary of T. 16 N., R. 14 W. In the following field notes, the initials H. N. B. and C. D. refer to H. N. Bradstreet and Carl Dyson, U. S. Transitmen, respectively.
- H. N. B. and C. D.
- H. N. B.
- From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., which is an iron post, properly set, marked and witnessed as described by the Surveyor-General, I run
- N.0° 1' W., bet. secs. 35 and 36.  
Over level land, across wash, course SW., through scattering undergrowth.
- 3.50 Leave wash, course SW. Asc. S. slope, 80 ft., over rolling land.
- 8.00 Thence along W. slope to
- 15.00 Asc. slight SW. slope, 25 ft.
- 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;  
 $\frac{1}{4}$ S35 in W. and  
S36 in E. half;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.
- 45.00 Desc. slightly to
- 55.00 Wash, 30 lks. wide, course SW. Asc. SE. slope, 45 ft. to
- 59.60 Spur, extends 20 chs. SW. Desc. NW. slope, 35 ft. to
- 64.00 Wash, 40 lks. wide, course SW. Asc. SE. slope, 25 ft. to
- 69.00 Spur, brs. SW. Desc. N. slope, 20 ft. to
- 70.00 Wash, 50 lks. wide, course SW. Asc. SE. slope, 45 ft. to
- 79.00 Spur, brs. SW. Desc. NW. slope, 10 ft. to
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 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 R13W in N. half;  
S26 in NW.,  
S25 in NE.,  
S36 in SE. and  
S35 in SW. quadrant;  
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.
- Land, level and rolling.  
Soil; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde and cacti.
- 
- 40.00 East on a random line, bet. secs. 25 and 36.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.05 Intersect Third Guide Meridian West, 2 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.
- Thence I run
- N.89° 59' W., on a true line, bet. secs. 25 and 36.  
Over rolling land, through dense undergrowth.  
Desc. W. slope, 115 ft.
- 10.05 Desc. NW. slope to
- 20.00 Wash, 50 lks. wide, course SW. Asc. SE. slope, 35 ft. to
- 23.00 Ridge, brs. NE. and SW. Desc. NW. slope, 185 ft.
- 40.02 $\frac{1}{2}$  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

Chains.	<p>1915 on S. rim;  <math>\frac{1}{4}</math>S25 in N. and            S36 in S. half;            and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high,            N. of cor. Pits impracticable.</p>
72.00	Center of wash, 1 ch. wide, course SW. Asc. SE. slope, 30 ft. to
75.00	Spur, brs. SW. Desc. NW. slope, 50 ft. to
80.05	The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and cacti.
40.00	West on a random line, bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect the E. bdy. of sec. 27, 18 lks. N. of the cor. of secs. 26, 27, 34 and 35, which is an iron post, proper- ly set, marked and witnessed as described by the Surveyor-General. Thence I run N.89° 52' E., on a true line, bet. secs. 26 and 35. Over rolling land, through dense undergrowth. Asc. slight W. slope to
10.00	Low spur, brs. SW. Desc. SE. slope to
19.95	Enter wash, course SW. Comes from E. Asc. 195 ft.
30.00	Leave wash, course W. Comes from SE. Asc. W. slope to
38.00	Asc. NW. slope.
39.98	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; $\frac{1}{4}$ 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. Pits impracticable.
45.00	Thence along N. slope to
50.00	Spur, brs. WSW. Desc. SE. slope, 65 ft. to
60.00	Wash, 20 lks. wide, course SW. Asc. W. slope, 75 ft. to
70.00	Spur, extends 1 ch. S. Desc. SE. slope, 25 ft. to
75.00	Wash, 50 lks. wide, course SW. Asc. NW. slope, 35 ft. to
79.96	The cor. of secs. 25, 26, 35 and 36. Land, rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.
	June 11, 1915.
	<p>June 12, 1915: At 7 hrs. 40 m., a.m., l.m.t., I set off            34° 47' N. on the lat. arc; 23° 7<math>\frac{1}{2}</math>' N. on the decl. arc;            and determine a meridian with the solar at the cor. of            secs. 25, 26, 35 and 36.            Thence I run            N.0° 1' W., bet. secs. 25 and 26.            Over rolling land, through scattering undergrowth.            Desc. N. slope to</p>
1.00	Wash, 30 lks. wide, course SW. Asc. S. slope, 40 ft. to
8.00	Ridge, brs. NE. and SW. Desc. NW. slope, 50 ft. to
11.40	Wash, 50 lks. wide, course SW. Asc. SE. slope, 120 ft.
23.50	Asc. SW. slope to
35.00	Ridge, brs. E. and W. Desc. NW. slope, to
36.00	Top of precipice, 60 ft. high, brs. NE. and SW. It being evident that the true point for $\frac{1}{4}$ sec. cor. will be inaccessible, I return to
35.50	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

Partial Subdivision of Fractional T. 16 1/2 N., R. 13 W. 3.

Chains.

ground, for witness cor. to 1/4 sec. cor., marked on brass cap

1915 on S. rim;  
WC. S. of center;  
1/2 S26 in W. and  
S25 in E. half;

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

It being impossible to chain the next 20 chs. N. on this sec. line, I set my transit on line, 20 lks. S. of the witness cor. to 1/4 sec. cor., or 35.30 chs. N.0° 1' W., of the cor. of secs. 25, 26, 35 and 36, and set a point ahead on line. Then I measure the longest base possible, S.67° 36' W., 12.50 chs., from the end of which, the point ahead on the sec. line, brs. N.11° 17 1/2' E. I compute the distance to the flag as follows:-

$$\frac{12.50 \times \sin. 56^\circ 18 \frac{1}{2}'}{\sin. 11^\circ 18 \frac{1}{2}'} = 53.04 \text{ chs.}, \text{ which}$$

added to 35.30 chs., gives 88.34 chs.

Thence I run S.0° 1' E., bet. secs. 25 and 24.

Desc. S. slope, 200 ft. to

5.00 Enter wash, course W.

8.00 Leave wash, course W. Asc. slightly to

8.34 The point for cor. of secs. 23, 24, 25 and 26.

The approximate topography from the witness cor. to the cor. of secs. 23, 24, 25 and 26, is as follows:-

36.00 Top of precipice, 60 ft. high, brs. NE. and SW.

36.25 Foot of precipice, brs. NE. and SW. Thence across wash, course NW.

39.25 Foot of cliff, 80 ft. high, brs. E. and W.

39.50 Top of cliff, spur, extends 50 lks. W.

39.80 Precipice, 80 ft. to bottom, brs. E. and W.

40.20 Foot of precipice, brs. E. and W. Thence across wash, course W.

48.00 Asc. to

53.00 Spur, brs. W. Desc. N. slope to

57.00 Wash, course W. Asc. to

60.00 Spur, brs. W. Desc. N. slope to

65.00 Wash, course W. Asc. to

70.00 High ridge, brs. E. and W. Desc. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap

1915 on S. rim;  
T16 1/2 N R13 W in N. half;  
S23 in NW.,  
S24 in NE.,  
S25 in SE. and  
S26 in SW. quadrant; from which

A cedar limb, 6 ins. diam., brs. S.35 1/2° E., 24 lks. dist., marked T16 1/2 N R13 W S25 BT.

A cedar limb, 5 ins. diam., brs. S.40 1/2° W., 21 lks. dist., marked T16 1/2 N R13 W S26 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, sandy and rocky; 4th rate.

No timber.

Undergrowth, greasewood, palo verde, ocotillo and scrub cedar.

40.00 S.89° 59' E., on a random line, bet. secs. 24 and 25.

80.30 Set temp. 1/4 sec. cor.

Intersect the Third Guide Meridian West, 11 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post,

Chains.	
	properly set, marked and witnessed as described by the Surveyor-General.
	Thence I run
	N. 89° 54' W., on a true line, bet. secs. 24 and 25.
	Over rolling and mountainous land, through scattering undergrowth.
	Along N. slope to
8.80	Desc. NW. slope, 65 ft. to
11.00	Wash, 10 lks. wide, course NW. Asc. NE. slope, 30 ft. to
14.30	Spur, extends 5 chs. NNW. Desc. SW. slope, 195 ft. to
25.30	Wash, 20 lks. wide, course NW. Asc. NE. slope, 45 ft. to
30.00	Spur, brs. N. Desc. NW. slope, 100 ft.
35.00	Desc. SW. slope.
40.15	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; $\frac{1}{4}$ 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. Pits impracticable.
42.30	Enter wash, course SW.
54.30	Leave wash, course SW. Asc. SE. slope, 40 ft. to
55.20	Thence along S. slope to
59.30	Desc. SW. slope, 75 ft. to
65.00	Enter wash, course SW.
69.00	Leave wash, course SW. Asc. SE. slope, 25 ft. to
72.00	Low spur, brs. S. Desc. SW. slope, 45 ft. to
78.00	Enter wash, course WNW.
80.00	Leave wash, course WNW. Asc. to
80.30	The cor. of secs. 23, 24, 25 and 26. Land, rolling and mountainous. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotillo, scrub cedar and cacti. June 12, 1915: Absent from line at noon; could not make latitude observation.
40.00	S. 89° 52' W., on a random line, bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect E. bdy. of sec. 22, 5 lks. N. of the cor. of secs. 22, 23, 26 and 27, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.
	Thence I run
	N. 89° 50' E., on a true line, bet. secs. 23 and 26.
	Over rolling land, through scattering undergrowth.
	Asc. W. slope, 105 ft.
32.90	Ridge, brs. N. and S. Desc. E. slope, 135 ft. to
37.00	Foot of desc.; brs. N. and S. Thence over level land.
39.99	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; $\frac{1}{4}$ 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. Pits impracticable.
48.00	Leave level land, brs. NW. and SE. Asc. SW. slope, 75 ft. to
52.60	Spur, extends 2 chs. S. Desc. SE. slope to
60.00	Enter wash, course SW. Comes from E. Thence in and along S. edge of wash.
75.00	Leave wash, course W. Comes from ENE. Asc. slightly to
79.98	The cor. of secs. 23, 24, 25 and 26. Land, rolling. Soil, sandy and rocky; 4th rate. No timber.

Partial Subdivision of Fractional T. 16 1/2 N., R. 13 W. 5.

Chains.

Undergrowth, greasewood, palo verde, ocetillo, scrub cedar and cacti.  
June 12, 1915.

June 13, 1915; At 8 hrs. 4 m., a.m., l.m.t., I set off 34° 48' N. on the lat. arc; 23° 11 1/2' N. on the decl. arc; and determine a meridian with the solar at a point 8.42 chs. N.0° 1' W. of the cor. of secs. 23, 24, 25 and 26, on ridge, brs. E. and W.

Thence I continue measurement N.0° 1' W., bet. secs. 23 and 24. Over rolling land, through scattering undergrowth. Desc. N. slope, 90 ft. to

18.00 Wash, 20 lks. wide, course NW. Thence along W. slope.  
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 S23 in W. and  
S24 in E. half;  
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

42.00 Wash, 30 lks. wide, course SW.  
50.00 Asc. SE. slope, 155 ft. to  
60.00 Ridge, brs. NE. and SW. Desc. NW. slope, 15 ft. to  
64.70 Wash, 30 lks. wide, course SW. Asc. SE. slope, 35 ft. to  
68.97 Intersect the Fourth Std. Par. N., 1.02 chs. E. of the std. cor. of secs. 31 and 32, T. 17 N., R. 12 W., which is an iron post, properly 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., 24 ins. in the ground, for closing cor. of secs. 23 and 24, marked on brass cap  
1915 on S. rim;  
CC S. of center;  
T17N R12W, S31, S32 in N. and  
T16 1/2 N R13W in S. half;  
S24 in SE. and  
S23 in SW. quadrant;  
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. Pits impracticable.

Land, rolling.  
Soil, rocky; 4th rate.  
No timber.  
Undergrowth, greasewood, palo verde, cacti and scrub cedar.  
June 13, 1915.

June 15, 1915: At 8 hrs. 45 m., a.m., l.m.t., I set off 34° 46' N. on the lat. arc; 23° 18' N. on the decl. arc; and determine a meridian with the solar at 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".

Thence I run N.0° 3' W., bet. secs. 31 and 32. Over rolling land, through scattering undergrowth. Asc. S. slope, 25 ft. to

3.00 Thence along slight E. slope to  
8.00 Desc. to  
10.00 Wash, 30 lks. wide, course SE.  
22.50 Wash, 30 lks. wide, course E.  
38.00 Wash, 20 lks. wide, course E.  
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 S31 in W. and  
S32 in E. half; from which

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Chains.	<p>A cedar limb, 6 ins. diam., brs. N. 89<math>\frac{1}{2}</math>° W., 90 lks. dist., marked <math>\frac{1}{4}</math>S31 BT.            No other trees within limits. Raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
49.30	Center of wash, 1 ch. wide, course E.
66.00	Center of wash, 2 chs. wide, course E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap
	<p>1915 on S. rim;            T16<math>\frac{1}{2}</math>N R13W 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, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable.</p>
	Land, rolling.
	Soil, rocky; 4th rate.
	No timber.
	Undergrowth, greasewood, palo verde, ocotillo, scrub cedar and cacti.
40.00	East on a random line, bet. secs. 29 and 32.
79.78	Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of sec. 33, 8 lks. S. of the cor. of secs. 28, 29, 32 and 33, which is an iron post, properly set, marked and witnessed as described by the Surveyor-General.
	Thence I run
	S. 89° 57' W., on a true line, bet. secs. 29 and 32.
	Over rolling land, through scattering undergrowth.
	Desc. SW. slope, 35 ft. to
9.80	Wash, 20 lks. wide, course SE. Asc. E. slope, 60 ft. to
24.75	Thence along N. slope
39.89	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	<p>1915 on S. rim;  <math>\frac{1}{4}</math>S29 in N. and            S32 in S. half;</p>
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	Desc. NW. slope to
45.80	Wash, 20 lks. wide, course NE. Asc. E. slope, 65 ft. to
69.80	Thence along N. slope.
77.80	Wash, course ENE. Comes from WNW. Asc. slightly to
79.78	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling; drains E.
	Soil, 3rd and 4th rate .
	No timber.
	Undergrowth, greasewood, palo verde, ocotillo, scrub cedar and cacti.
	June 15, 1915: At this cor., I set off 23° 18' N. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 34° 47' N.
	H. N. E.
	C. D.
	June 14, 1915.
	West on a true line, bet. secs. 30 and 31.
	Over rolling land, through scattering undergrowth.
	Along N. slope to
11.15	Wash, course ENE. Comes from WNW. Asc. to
18.75	Spur, brs. SE. Desc. to
25.15	Wash, course SE. Asc. 25 ft. to
31.45	Spur, brs. SE. Desc. to
39.25	Wash, course SE. Asc. 25 ft.

Partial Subdivision of Fractional T. 16 1/2 N., R. 13 W. 7.

Chains.

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 S30 in N. and  
 S31 in S. half;  
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.

46.10 Thence over level land.

56.00 Asc. E. slope, 75 ft. to

76.11 Intersect E. bdy. of sec. 36, T. 16 1/2 N., R. 14 W., 4.00

chs. S. of the cor. of secs. 25 and 36, which is an iron post, established by me, as described in Book "A".

At the point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 30 and 31, marked on brass cap

1915 on S. rim;  
 CC W. of center;  
 T16 1/2 N in N. and  
 S25, S36, R14W in W. half;  
 S30 in NE. and  
 S31, R13W in SE. quadrant;

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor. Pits impracticable.

Land, rolling.

Soil, rocky; 3rd rate.

No timber.

Undergrowth, greasewood, palo verde, ocotilla and scrub cedar.

C. D.

June 15, 1915

Note: The double dates on this line were necessitated by running this line E. on a random from a point south of the cor. of secs. 25 and 36, before the cor. of secs. 29, 30, 31 and 32 was established.

H. N. B.

N.0° 3' W., bet. secs. 29 and 30.

Over rolling land, through scattering undergrowth.

Desc. to

.50 Wash, 20 lks. wide, course E. Asc. S. slope, 15 ft. to

2.50 Ridge, brs. E. and W. Desc. NE. slope, 20 ft. to

5.00 Wash, 10 lks. wide, course E. Asc. SE. slope, 10 ft. to

7.00 Ridge, brs. E. and W. Desc. N. slope, 70 ft. to

10.00 Enter wash, course E.

26.00 Leave wash, course E. Asc. S. slope, 80 ft. to

30.00 Ridge, brs. E. and W. Desc. NE. slope, 75 ft. to

34.50 Enter wash, course E.

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 S30 in W. and  
 S29 in E. half;

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

41.00 Leave wash, course E. Asc. S. slope, 55 ft. to

45.00 Spur, extends 10 chs. E. Desc. NE. slope, 35 ft. to

49.50 Wash, 20 lks. wide, course ESE. Asc. S. slope, 40 ft. to

51.80 Spur, extends 8 chs. E. Desc. NE. slope, 55 ft. to

60.00 Enter wash, course E.

67.00 Leave wash, course E. Asc. S. slope, 70 ft. to

79.00 Spur, extends 5 chs. E. Desc. NE. slope, 20 ft. to

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

1915 on S. rim;  
 T16 1/2 N R13W in N. half;  
 S19 in NW.,  
 S20 in NE.,  
 S29 in SE. and

Chains.	
	<p>S30 in SW. quadrant; and raise a mound of stone, 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatillo, scrub cedar and cacti.</p>
40.00	N.89° 57' E., on a random line, bet. secs. 20 and 29.
79.74	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 37 lks. N. of the cor. of secs. 20, 21, 28 and 29, which is an iron post, properly set, marked and witnessed as described by the Surveyor- General.
	Thence I run
	N.89° 47' W., on a true line, bet. secs. 20 and 29. Over rolling land, through scattering undergrowth. Asc. E. slope, 45 ft. to
1.75	Spur, extends 1 ch. S. Desc. SW. slope to
6.40	Wash, 20 lks. wide, course SE. Asc. NE. slope, 45 ft. to
11.35	Spur, extends 3 chs. SE. Desc. SW. slope to
15.35	Wash, 10 lks. wide, course SE. Asc. E. slope, 45 ft. to
20.25	Spur, extends 10 chs. SE. Desc. SW. slope, 15 ft. to
21.85	Wash, 20 lks. wide, course SE. Asc. SE. slope, 80 ft.
39.87	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; $\frac{1}{4}$ 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. Pits impracticable.
41.75	Spur, extends 2 chs. SE. Desc. SW. slope, 45 ft. to
45.45	Wash, 10 lks. wide, course SE. Asc. SE. slope, 85 ft. to
56.75	Thence along S. slope to
65.25	Desc. SW. slope, 15 ft. to
67.75	Wash, 10 lks. wide, course SE. Asc. E. slope, 30 ft. to
72.75	Spur, extends 2 chs. SE. Desc. SW. slope to
77.75	Wash, 20 lks. wide, course SE. Asc. NE. slope to
79.74	The cor. of secs. 19, 20, 29 and 30. Land, rolling. Soil, rocky; 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatillo, scrub cedar and cacti.
	H. N. B.
	C. D.
	West on a true line, bet. secs. 19 and 30. Over rolling land, through scattering undergrowth. Asc. NE. slope, 20 ft. to
2.85	Spur, brs. W. Desc. W. slope to
5.25	Wash, course NE. Asc. to
10.25	Spur, brs. ENE. Desc. 45 ft. to
22.25	Center of wash, 3 chs. wide, course SE. Asc. 35 ft. to
27.25	Spur, brs. SE. Desc. to
30.30	Wash, course SE. Thence along bottom of wash.
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; $\frac{1}{4}$ 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., Pits impracticable.
66.15	Leave wash, course E. Comes from NW. Asc. NE. slope,

Partial Subdivision of Fractional T. 16 $\frac{1}{2}$  N., R. 13 W. 9.

Chains.

30 ft. to  
 73.15 Desc. slightly to  
 76.15 Intersect E. bdy. of sec. 25, T. 16 $\frac{1}{2}$  N., R. 14 W., 3.82  
 chs. S. of the cor. of secs. 24 and 25, which is an  
 iron post, established by me, as described in Book "A".  
 At the point of intersection, set an iron post, 3 ft. long,  
 2 ins. diam., 24 ins. in the ground, for closing cor.  
 of secs. 19 and 30, marked on brass cap  
 1915 on S. rim;  
 CC W. of center;  
 T16 $\frac{1}{2}$ N in N. and  
 S24, S25, R14W in W. half;  
 S19 in NE. and  
 S30, R13W in SE. quadrant;  
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 E. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotilla, scrub cedar  
 and cacti.  
 June 15, 1915: At this cor., I set off 23° 18' N. on the  
 decl. arc; and at apparent noon, I observe the sun on  
 the meridian; the resulting lat. is 34° 48' N.

N.0° 3' W., on a true line, bet. secs. 19 and 20.  
 Over rolling land, through scattering undergrowth.  
 Desc. to  
 1.50 Wash, course E. Asc. to  
 3.20 Spur, brs. E. Desc. N. slope to  
 5.00 Wash, course SE. Asc. S. slope to  
 8.50 Spur, brs. SE. Desc. to  
 17.00 Wash, course SE. Asc. to  
 24.50 Spur, brs. E. Desc. N. slope  
 38.90 Road, 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  
 1915 on S. rim;  
 S19  $\frac{1}{4}$  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. Pits impracticable.  
 40.50 Wash, course E.  
 50.00 Wash, course E. Asc. SE. slope, 50 ft. to  
 65.00 Spur, brs. E. Desc. to  
 68.92 Intersect Fourth Standard Parallel North, 1.06 chs. E. of  
 the cor. of secs. 33 and 34, T. 17 N., R. 13 W., which  
 is an iron post, properly 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., 24 ins. in the ground, for closing cor.  
 of secs. 19 and 20, marked on brass cap  
 1915 on S. rim;  
 CC S. of center;  
 T17N R13W, S33, S34 in N. and  
 T16 $\frac{1}{2}$ N R13W in S. half;  
 S20 in SE. and  
 S19 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.  
 Soil, rocky; 4th rate.  
 No timber.  
 Undergrowth, greasewood, palo verde, ocotilla and scrub  
 cedar.

C. D.  
June 15, 1915.

## GENERAL DESCRIPTION.

The partial subdivision of the fractional Tp. covered by these field notes lies on the foot hills on both sides of the Big Sandy River. The west side of the Tp. slopes gradually down to the River, but the east side enters broken land with perpendicular conglomerate cliffs at a short distance back from the River.

The land is covered with a scattering growth of cat claw, mesquite, greasewood, palo verde and scrub cedar, and is of no apparent agricultural value. There is no water, nor were any settlers found in the Tp.

U. S. Geological Survey.

U. S. Geological Survey.

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BOOK 2980

For **FINAL OATH OF UNITED STATES SURVEYOR.**

See Book "B."

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, Ariz. February 15, 1917.

The foregoing field notes of the survey of the \_\_\_\_\_

Completion of the Subdivision Lines of Fractional

Township 16 1/2 North, Range 13 West, of the Gila and

Salt River Base and Meridian, Arizona,

executed by H. N. Bradstreet and Carl Dyson, U. S. Transitlemen, under his special instructions dated December 28, 1914 for Group 41, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank O. Frost*  
Surveyor General  
of Arizona.

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

\_\_\_\_\_  
Surveyor General  
of Arizona,