

BOOK "K"

JAN 23 1914

FIELD NOTES

OF THE SURVEY OF THE

North boundary of Tp. 17 S., Rg. 36 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

John F. Hesse.

In the capacity of U. S. Surveyor, under instructions dated *May 22nd*, 1912, issued by the United States Surveyor General to govern surveys included in Group No. 18, which were approved by the Commissioner of the General Land Office, *June 20th*, 1912, pursuant to authority contained in the Act of Congress dated *August 23rd*, 1912.

Survey commenced April 10, 1913.

Survey completed April 10, 1913.

BOOK 2661

INDEX DIAGRAM.

Township 17 S, Range 26 E

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

North boundary of Tp. 17 S. Rg. 26 E.

Chains.

Survey commenced April 10, 1913 and executed with a W. and L. E. Gurley transit, not numbered, with solar attachment.

The horizontal limb is provided with one double vernier reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved by the Supervising Surveyor August 28, 1912.

At 7h. 00m. a.m., l.m.t., I set off $51^{\circ}59'$ N. on the lat. arc, $7^{\circ}53\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar, at the cor. of Tps. 16 and 17 S. Rgs. 26 and 27 E., reestablished by me April 9, 1913, as described in Book "J"

Thence I run,

West, on a random line, along the N. bdy. of Tp. 17 S. Rg. 26 E., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and, at 475.70 chs. intersect the west boundary of the township 14 lks. N. of the cor. of Tps. 16 and 17 S. Rgs. 25 and 26 E. which is a granite stone 10 x 8 x 6 ins. above ground, marked as described by the surveyor general.

The falling answers to a correction of $0^{\circ}01'$, or $2\frac{1}{3}$ lks. N. per mile, counting from the N. E. cor. of the Tp. Therefore I run,

N. $89^{\circ}59'$ E., bet. secs. 6 and 31, marking and blazing true line.

Over nearly level land through dense undergrowth.

35.70 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, 1913; $\frac{1}{4}$ S 31 in N. and S 6 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.

71.00 Leave undergrowth.

75.70 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked on brass cap, 1913;

T16S in N.,
T17S in S. and
R26E in W. half;
S31 in NW,
S32 in NE,
S 5 in SE. and
S 6 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, 3 ft. high, W. of cor.

Land, nearly level.

Soil, dry rich sandy loam medium texture over 2 ft. deep 1st rate.

No timber.

Undergrowth, mesquite.

Note: At this cor. I set off $7^{\circ}57'$ N. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is $31^{\circ}59'$ N.

N. $89^{\circ}59'$ E., bet. secs. 5 and 32,

Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S 32 in N. and S 5 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.

46.75 Cross road bears NW and SE.

80.00 Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap, 1913;

T16S in N.,
T17S in S. and
R26E in W. half;
S32 in NW,
S33 in NE.

North boundary of Tr. 17 S., Rg. 26 E.

Chains.	
	<p>S 4 in SE. and S 5 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, level. Soil, dry rich sandy loam medium texture over 2 ft. deep 1st rate. No timber.</p> <p style="text-align: center;">-----</p>
40.00	<p>N. 89°59'E, bet secs. 4 and 33. Over level land. Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913; ¼ S33 in N. and S4 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.</p>
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap, 1913; T16S in N, T17S in S. and R26E in W. half; S33 in NW, S34 in NE, S 3 in SE and S 4 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, level. Soil, dry rich sandy loam medium texture over 2 ft. deep 1st rate. No timber.</p> <p style="text-align: center;">-----</p>
40.00	<p>N. 89°59'E, bet secs. 3 and 34. Over level land. Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, 1913; ¼ S34 in N. and S3 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 3½ ft. base, 1½ high, N. of cor.</p>
80.00	<p>Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for cor. of secs. 3, 3, 34 and 35, marked on brass cap, 1913; T16S in N, T17S in S. and R26E in W. half; S34 in NW, S35 in NE, S 2 in SE. and S 3 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, level. Soil, dry rich sandy loam medium texture over 2 ft. deep 1st rate. No timber.</p> <p style="text-align: center;">-----</p>
37.00	<p>N. 89°59'E, bet secs. 2 and 35. Over level land. Cross road bears NE. and SW.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the</p>

BOOK 2661

North boundary of Tp. 17 S., Rg. 26 E.

Chains.

ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S35 in N. and S2 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.

80.00 Set an iron post 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for cor. of sec. 1, 2, 35 and 36, marked on brass cap, 1913;

T16S in N,
T17S in S. and
R36E in W. half;
S35 in NW,
S36 in NE,
S 1 in SE. and
S 2 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, level.

Soil, dry rich sandy loam medium texture over 2 ft. deep, 1st rate.

No timber.

N. 89°59'E, bet. secs. 1 and 36.

Over level land.

9.60 Cross road bears NW. and SE.

40.00 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913; $\frac{1}{4}$ S36 in N. and S1 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.

80.00 The cor. of Tps. 16 and 17 S., Rgs. 26 and 27 E., previously described in Book "J"

Land, level.

Soil, dry rich sandy loam medium texture over 2 ft. deep, 1st rate.

No timber.

April 10, 1913.

General Description.

This township is level. There is no water in the township. The soil is 1st rate. There is some scattered brush.

John P. Heese
U. S. Surveyor.

Boundaries of T.17 S. R.26 E.

Line Designated.	Bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
S. South boundary.	N. 89°51' W.	477.43	1.25			477.43
W. West boundary.	N. 0°13' E.	479.89	479.89		1.67	
N. North boundary.	N. 89°59' E.	475.70	0.14		475.70	
E. East boundary.	S. 0°02' E.	440.66		440.66	0.26	
Convergence	S. 0°26' W.	40.04		40.04	0.30	
Totals.			481.28	480.70	478.65	477.73
			480.70		477.73	478.65

Error in Lat. 0.58 Error in Dep. 0.35

John P. Hess
U.S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, John F. Hesse, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, for Group 18 bearing date of the 22nd day of May, 1912, 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 the North boundary of Tp. 17 S., Rg. 26 E.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John F. Hesse
U. S. Surveyor.

Subscribed by said John F. Hesse, and sworn to before me this 23rd day of January, 1914

Frank S. Ingalls
Surveyor General of Arizona



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, July 21, 1914

The foregoing field notes of the survey of the North boundary of Township No 17 South, Range No 26 East of the

Gila and Salt River Base and Meridian, Arizona

executed by John F. Hesse, U. S. Surveyor under his special instructions dated May 22nd, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. 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.