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2075 BOOK 2075

# FIELD NOTES

OF THE SURVEY OF THE

2075 Resurvey of South Boundary 2075

and

Partial Subdivision of Tp. 14 South, R. 27 East,

2075

Of the Gila and Salt River Base and Meridian,  
Arizona.

AS SURVEYED BY

Jesse B. Wright, United States Deputy Surveyor,

Under his Contract No. 145, dated April 15, 1907.

Survey commenced September 30, 1907.

Survey completed October 7, 1907.

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For **NAMES AND DUTIES OF ASSISTANTS.**

Reference is had to "B." Subs. T. 13 S., R. 12 F.

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BOOK 2075

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For PRELIMINARY OATHS OF ASSISTANTS.

WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of \_\_\_\_\_

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Chainman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



I, \_\_\_\_\_, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



Resurvey South Bdy. Tp. 14 South, Range 27 East.

chains

Survey commenced September 30 1907, and executed with a Young & Son, light mountain transit, No. 7492, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct and was approved by the Surveyor General for Arizona, July 15, 1907.

I examine the adjustments of the transit, and correct the level and collimation errors, then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined on Polaris, I proceed as follows:-

At the standard cor. of Tps. 15 S., Rs. 27 and 28 E., latitude  $32^{\circ} 4' 25''$  N., longitude  $109^{\circ} 32' 47''$  W., I set off  $32^{\circ} 4'$  N. on the lat. arc, and  $2^{\circ} 37'$  S. on the decl. arc, and at 4h p.m., l.m.t., determine with the solar a meridian, and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor. At 6h. 57m. p.m., by my watch, which is correct, I observe Polaris at eastern elongation, in accordance with the 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.

September 30, 1907.

October 1, 1907. At 6h a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 24'$  to the west and mark the meridian thus determined, by cutting a small groove in the stone set last night, on which the meridian coincides with the meridian determined by the solar. At 8h a.m., l.m.t., I set off  $32^{\circ} 4'$  N. on the lat. arc.,  $2^{\circ} 52'$  S. on the decl. arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station, which coincides with the meridian established by the Polaris observation.

The magnetic bearing of the true meridian, at 8h 30 m a.m., is N.  $15^{\circ}$  W., the angle thus determined gives the mag. decl.  $15^{\circ}$  E.

From the standard cor. of Tps. 15 S., Rs. 27 and 28 E., I run north on a random line on range line bet. Tps. 15 S., Rs. 27 and 28 E., At 6 miles I search for cor. as described by the Surveyor General. Finding none, I retrace west, and at 40.00 and 80.00 chs. search for cors. Finding none, I decide that it is necessary to resurvey the south boundary of Tp. 14 South, Range 27 East.

I run west on a random line on the South Boundary of Tp. 14 South, Range 27 East, and fail to find any trace of old corners, except cors. to secs. 5, 6, 31 and 32, and the cor. of Tps. 14 and 15 South, 26 and 27 East, which I find to be a stake as described

by the Surveyor General, in badly delapidated condition. I set a quartzite stone, 24 X 10 X 8 ins., 18 ins. in the ground, marked with six notches on the north and west edges and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable. This stone is for cor. of Tps. 14 S., Rs. 27 East, 26 East.

Therefore I run East on a true line, Descending into draw.

Resurvey of South Bdy. of Tp. 14 South, Range 27 East.

chains	
10.25	Trail, Dos Cabezos, brs. NE and SW.
12.50	Trail, Dos Cabezos, brs. NE. and SW.
12.75	Enter draw, 10 chs. wide, course SW.
18.50	Road, Dos Cabezos, brs. NE. and SW.
22.75	Leave draw to left.
39.55	Set a limestone, 24 X 15 X 10 ins., 18 ins. in the ground, 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.
67.00	Spur of rocky ridge, extends E. and W. Descend along N. side of ridge.
79.55	Find remains of old cor., set granite stone, 20 X 12 X 8 ins., 15 ins. in ground, raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impract. Land, mountainous. Soil, 3rd and 4th rate, rocky and stony. Timber, none; undergrowth, oak and juniper. Mountainous land, exceptionally difficult to survey, 79.55 chs.
	-----
	East, along S. Bdy. of sec. 32.
	Over mountainous land.
15.00	Trail, brs. NW. and SE in low gap, extending NE. and SW. Thence along S. side of low ridge, extending E. and W.
40.00	Set a limestone, 30 X 15 X 10 ins., 22 ins. in the ground, 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.
69.50	Top of high spur, extending SW. Descend.
80.00	Set a granite stone, 36 X 24 X 12 ins., 24 ins. in the ground, for cor. of secs. 32 and 33, marked with 4 notches on the E. and 2 notches on the W., and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, sandy and gravelly, 2nd and 3rd rate. Timber, none; undergrowth, oak and juniper. Mountainous land, exceptionally difficult to survey, 80.00 chs.
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	October 1: At noon, I set off $2^{\circ} 57' S.$ on the decl. arc, and observe the sun on the meridian; the resulting lat. is $32^{\circ} 10' N.$
	East, along South Bdy. of sec. 33.
	Over mountainous land, descending steeply.
15.00	Foot of slope; main gulch, 50 lks. wide, course S. Ranch house of Fred Waughtal brs. S. 7.00 chs. dist., on E. side of gulch.
18.70	Road, Dos Cabezos to Waughtal's, brs. N. and S.
23.80	Main gulch, 80 lks. wide, course SW.
38.00	Granite ledge on line, extends N. and S.
40.00	Set a granite stone, 30 X 10 X 6 ins., 22 ins. in the ground, 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.
64.20	Fence, brs. NE. and SW. Pasture of Waughtal's.
65.70	Fence, brs. N. and S., between Rigg's and Waughtal's.
80.00	Set a conglomerate stone, 30 X 20 X 15 ins., 22 ins. in the ground, for cor. of secs. 33 and 34, marked with 3 notches on the E. and W. faces, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Small house of F. F. Riggs brs. S. $27^{\circ} E.$ , 10.00 chs. Land, mountainous. Soil, sandy and stony; 3rd and 4th rate. Timber, none; undergrowth, oak and juniper. Mountainous land, exceptionally difficult to survey, 80.00 chs.
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Resurvey South Bdy. of Tp. 14 South, Range 27 East.

chains

East, along the south Bdy. of sec. 34.  
Over mountainous land.

7.50 Junction of two gulches, course S. and SW., thence SW.,  
80 lks. wide.

16.00 Fence, extends N. and S.

17.50 Dry wash, 20 lks. wide, course SW.

27.00 Top of low gap in ridge, brs. SW. and NE. High point  
brs. SW.  $\frac{1}{4}$  mile dist.

29.82 Fence, brs. SE. and NW.

32.25 Road, to J. J. Riggs' from Doz Cabezos, brs. NW. and SE

40.00 Set a conglomerate stone, 15 X 10 X 10 ins., 10 ins. in  
the ground, 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.

52.00 Low ridge, extends N. and S.

67.50 Wash, 10 lks. wide, course S.

71.00 Wash, 40 lks. wide, course S.

80.00 Set a conglomerate stone, 20 X 12 X 10 ins., 15 ins. in  
the ground, for cor. of secs. , , 34 and 35, marked  
with 2 notches on the E. and 4 notches on the W. edge,  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor. Pits impracticable.

Land, mountainous.  
Soil, sandy and rocky, 3rd and 4th rate.  
Timber, none; undergrowth, oak and juniper.  
Mountainous land, exceptionally difficult to survey,  
80.00 chs.

October 1, 1907.

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October 2, 1907. At 7 h A.M., l.m.t., I set off  
32° 10' N. on the lat. arc, and 3° 14' S. on the decl.  
arc, and determine a true meridian with the solar at  
the cor. of secs. 2, 3, 34 and 35.

Thence I run,  
East, along the south boundary of Sec. 35.  
Ascending over mountainous land.

4.50 Top of ridge, extends N. and S., descend.

18.00 Main wash, 4.00 chs. wide, course S.

30.00 Top of ridge, extends S.

40.00 Set a limestone, 30 X 10 X 10 ins., 22 ins. in the  
ground, 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.

43.00 Wash, 10 lks. wide, course SE.

60.00 Wash, 10 lks. wide, course SE.

80.00 Set a granite stone, 24 X 10 X 6 ins., 18 ins. in the  
ground, for cor. of secs. , , 35 and 36, marked  
with 1 notch on the E. and 5 notches on the W. edge, and  
raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of  
cor. Pits impracticable.

Land, mountainous.  
Soil, sandy and stony, 2nd and 3rd rate.  
Timber, none; undergrowth, pine and oak.  
Mountainous land, exceptionally difficult to survey,  
80.00 chs.

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East, along the south boundary of Sec. 36.  
Over broken and rolling mountainous land.

4.00 Main wash, 1.00 ch. wide, course S.

20.00 Top of rocky knoll, extends S.

35.00 Wash, 80 lks. wide, course S.

40.00 Set a granite stone, 24 X 10 X 8 ins., 18 ins. in the  
ground, 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.

51.00 Dry wash, 50 lks. wide, course S.

80.00

Resurvey South Boundary of Tp. 14 South, Range 27 East.

chains

68.00

80.00

Dry wash, 50 lks. wide, course S.  
Set a granite stone, 24 X 10 X 6 ins., 18 ins. in the  
ground, for cor. of Tps. 14 South, Rs. 27. & 28 E., marked  
with 6 notches on the N. and W. and raise a mound of  
Land, mountainous. {stone, 2 ft base, 1 ft high, N. of }  
Soil, sandy and rocky; 3rd and 4th rate. {cor. pits impracticable. }  
No timber; undergrowth, scattering mesquite.  
Mountainous land, exceptionally difficult to survey,  
80.00 chs.

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## Partial Subdivision of Tp. 14 South, Range 27 East.

chains

October 4, 1907. At 7h a.m., l.m.t., I set off  $32^{\circ} 10' N.$  on the lat. arc, and  $4^{\circ} S.$  on the decl. arc, and determine a true meridian with the solar at the cor. of secs. 25, 26, 35 and 36, on the S. bdy. of Tp.

Thence I run,

N.  $0^{\circ} 11' W.$  bet. secs. 35 and 36.

Gradually ascending over mountainous land.

40.00

Set a sandstone, 30 X 10 X 6 ins., 22 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

46.00

Gulch, 80 lks. wide, course SE.

53.00

Same gulch, 50 lks. wide, course SSW.

Begin steep ascent.

80.00

Point for cor. of secs. 25, 26, 35 and 36 falls on granite boulder in place, 2 X 2 X  $1\frac{1}{2}$  ft. above ground, which I mark with a cross for exact cor. point, with 1 groove S. and 1 groove E. of cross, and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Pits impracticable.

Land, mountainous.

Soil, stony and gravelly; 3rd rate.

Timber, none; undergrowth, mesquite.

Mountainous land, exceptionally difficult to survey,

80.00 chs.

-----  
East on a random line bet. secs. 25 and 36.

40.00

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

80.10

Intersect the E. Bdy. of Tp. at a point 5 lks. S. of cor. of secs. 25, 30, 31 and 36.

Thence I run,

S.  $89^{\circ} 58' W.$  on a true line bet. secs. 25 and 36.

Over broken, mountainous land, along, S. slope of high mountain.

2.00

Gulch, 80 lks. wide, course SE.

21.00

Wash, 20 lks. wide, course SSE.

22.00

Wash, 20 lks. wide, course SSE.

28.50

Rocky gulch, 20 lks. wide, extends SSE. and NNW.

40.05

Set a granite stone, 18 X 12 X 8 ins., 12 ins. in the ground, 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.

61.00

Wash, 50 lks. wide, course SSW.

80.10

The cor. of secs. 25, 26, 35 and 36.

Land, mountainous.

Soil, sandy and stony; 3rd rate.

Timber, none; undergrowth, scattering mesquite.

Mountainous land, exceptionally difficult to survey,

80.10 chs.

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N.  $0^{\circ} 11' W.$  bet. secs. 25 and 26.

Ascending steeply over mountainous land.

40.00

Point for  $\frac{1}{4}$  sec. cor. falls on granite ledge in place, 2 X 1 ft. X 6 ins. above ground, which I mark with a cross for exact  $\frac{1}{4}$  sec. cor. point, with  $\frac{1}{4}$  W. of cross, and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of boulder. Pits impracticable.

72.00

Top of high ridge, extends E. and W.; descend,

80.00

Set a granite stone, 20 X 16 X 6 ins., 15 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on the S. and 1 notch on the E. edge and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, stony. 3rd rate.

chains	Timber, oak, juniper and cedar. Mountainous land, exceptionally difficult to survey, 80.00 chs.
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	October 4, 1907. At noon I set off 4° 08' S. on the decl. arc and observe the sun on the meridian, the resulting lat. is 39° 12' N.
	Thence I run, N. 89° 58' E. on a random line bet. secs. 24 and 25.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect the E. bdy. of tp. at a point 5 lks. S. of cor. of secs. 19, 24, 25 and 30.
	Thence I run, NS. 89° 56' W. bet. secs 24 and 25 on a true line.
40.10	Over mountainous land, along the N. side of high ridge. Set a granite stone, 20 X 10 X 4 ins., 15 ins. in the ground, 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.
80.20	The cor. of secs. 23, 24, 25 and 26. Land, mountainous. Soil, stony; 3rd rate. Timber, oak, juniper and cedar. Mountainous land, exceptionally difficult to survey, 80.20 chs.
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	N. 0° 1' W. bet. secs. 34 and 35; of from the S. bdy. of TP Ascending over mountainous land.
20.00	Top of low ridge, extends NE. and SW.; descend.
40.00	Set a granite stone, 20 X 10 X 6 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
53.00	Top of low ridge, extends SE. and NW.
57.80	Main wash, 150 lks. wide, course SSE.
63.80	Enter wash, course S., thence along same.
67.60	Leave wash to right; ascend.
80.00	Point for cor. of secs. 26, 27, 34 and 35 falls in swale of wash, course SW.
80.90 <del>80.70</del>	Set a granite stone, 24 X 10 X 6 ins., 18 ins. in the ground, for witness cor. to cor. of secs. 26, 27, 34 and 35, marked with 1 notch on the S. and 2 notches on the E., and W. on W. face, and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	McFadden's house, brs. N. 68° W., 8.00 chs. dist. Land, mountainous. Soil, stony; 3rd rate. Timber, none; undergrowth, cottonwood. Mountainous land, exceptionally difficult to survey, 80.70 chs.
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	East, on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect the N. and S. line at a point 9 lks. S. of cor. of secs. 25, 26, 35 and 36.
	Thence I run, S. 89° 56' W. on a true line bet. secs. 26 and 35.
	Ascending steeply over mountainous land.
12.80	Top of ridge, extends SW. and NE., descend.
26.00	Main wash, 1.00 ch. wide, course SSW.
40.04	Set a sandstone, 18 X 10 X 4 ins., 12 ins. in the ground, 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.
46.50	Wash, 60 lks. wide, course SSW.
76.00	Wash, 1.00 ch. wide, course S.
80.08	The cor. point of secs. 26, 27, 34 and 35.

Partial Subdivision of Tp. 14 South, Range 27 East.

chains

Land, mountainous.  
Soil, stony; 3rd rate.  
No timber; undergrowth, oak and mesquite.  
Mountainous land, exceptionally difficult to survey,  
80.08 chs.

October 4, 1907.

October 5, 1907. At 7h a.m., l.m.t., I set off 4° 23' ✓  
S. on the decl. arc and 32° 11' N. on the lat. arc,  
and determine a true meridian with the solar at the cor.  
of secs. 26, 27, 34 and 35.

Thence I run,  
N. 0° 1' W. bet. secs. 26 and 27.  
Ascending gradually over mountainous land.

- 20.00 Begin steep ascent.
- 40.00 Point for 1/4 sec. cor. falls on granite boulder in place,  
2 X 1 X 1 ft. above ground, which I mark with a cross  
for exact 1/4 sec. cor. point, with 1/4 W. of cross, and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of  
stone. Pits impracticable.
- 46.00 Top of high ridge, extends E. and W., descend abruptly
- 56.00 Bottom of slope. Wash, 20 lks. wide, course W.
- 66.00 Gulch, 20 lks. wide, course W.
- 70.00 Ascend abruptly over porphyry dyke, extends E. and W.
- 71.00 Ascend perpendicularly 50 feet. East gable end of house  
of Jack Howard bears S. 42° 20' W. Descend from top  
of high porphyry dyke.
- 75.00 Begin ascent of mountain.
- 80.00 Set a porphyry stone, 20 X 10 X 8 ins., 15 ins. in the  
ground, for cor. of secs. 22, 23, 26 and 27, marked with  
2 notches on the S. and E. edges, and raise a mound of  
stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Pits  
impracticable.

East gable end of Jack Howard's house brs. S. 31° W.  
Land, mountainous.  
Soil, stony; 3rd rate.  
No timber; undergrowth, oak.  
Mountainous land, exceptionally difficult to survey,  
80.00 chs.

- 40.00 N. 89° 56' E., bet. secs. 23 and 26 on random line.
- 80.04 Set temp. 1/4 sec. cor.  
Intersect the N. and S. line at a point 9 lks. N. of  
cor. of secs. 23, 24, 25 and 26.

Thence I run,  
West, on a true line bet. secs. 23 and 26.  
Over mountainous land.

- 20.00 Begin steep descent.
- 40.02 Set a granite stone, 20 X 15 X 6 ins., 15 ins. in the  
ground for 1/4 sec. cor., marked 1/4 on N. face, and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of  
cor. Pits impracticable.

- 64.00 Gulch, 50 lks. wide, course SW., ascend.
- 80.04 The cor. of secs. 22, 23, 26 and 27.

Land, mountainous.  
Soil, stony; 3rd rate.  
No timber.  
Mountainous land, exceptionally difficult to survey,  
80.04 chs.

North 0° 2' W., from the S. bdy. of Tp., bet. secs. 33 & 34.  
Ascending gradually over mountainous land.

- 3.75 Fence, brs. E. and W., leave pasture of T. J. Riggs.
- 5.00 Road, brs. E. and W., Dos Cabezos to Riggs. Begin steep  
ascent.
- 20.00 Set a granite stone, 24 X 10 X 6 ins., 18 ins. in the  
ground, for 1/4 sec. cor., marked 1/4 on W. face, and raise  
a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
Pits impracticable.

Partial Subdivision of Township 14 South, Range 27 East.

chains	
45.00	Top of high spur, extends SW.; descend.
70.00	Foot of slope.
<del>78.00</del>	Set a granite stone, 24 X 15 X 10 ins., 18 ins. in the
77.80	ground, for witness cor. to cor. of secs. 27, 28, 33 and 34, marked with 1 notch on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
	A willow, 12 ins. diam., brs. N. 21½° W., 114 lks. dist., marked T 14 S R 27 E S 28 B T.
	No other trees available.
80.00	Point for cor. of secs. 27, 28, 33 and 34 falls in gulch, 2.00 chs. wide, course WSW.
	Land, mountainous.
	Soil, sandy; 2nd and 3rd rate.
	Timber, scattering willow in gulches; no undergrowth.
	Mountainous land, exceptionally difficult to survey, 80.00 chs.
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	October 5, 1907. At noon, I set off 4° 30' E. on the decl. arc, and observe the sun on the meridian; the resulting lat. is 32° 11' N.
	Thence I run,
	East, on a random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the N. and S. line at a point 14 lks. S. of cor. of secs. 26, 27, 34 and 35.
	Thence I run,
	S. 89° 54' W., on a true line bet. secs. 27 and 34.
	Ascending over mountainous land.
3.00	Gulch, 80 lks. wide, course S. Ascend steeply.
40.10	Set a granite stone, 18 X 10 X 8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
48.00	Top of ridge, extends N. and S., descend.
63.00	Mine house and dump of Climax Mine, brs. N. 1.00 ch. dist.
80.20	The cor. point of secs. 27, 28, 33 and 34.
	Land, mountainous.
	Soil, stony, 3rd rate.
	Not timber; undergrowth, oak.
	Mountainous land, exceptionally difficult to survey, 80.20 chs.
-----	
	N. 0° 2' W., bet. secs. 27 and 28.
	Ascending over mountainous land.
2.60	Old road to mine, brs. E. and W.
6.00	Dry wash, 2.00 chs. wide, course SW.
10.00	Foot of main slope; begin steep ascent.
38.00	Head of draw, course SE.
40.00	Set a porphyry stone, 20 X 10 X 8 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.
60.00	Top of rocky spur, extends SW, thence along W. side of ridge.
78.00	Head of rocky gulch, course SW.
80.00	Set a granite stone, 36 X 24 X 10 ins., 22 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable.

Partial Subdivision of Tp. 14 South, Range 27 East.

chains

Land, mountainous.  
Soil, stony, 3rd rate.  
Timber, scattering oak.  
Mountainous land, exceptionally difficult to survey,  
80.00 chs.

40.00 N. 89° 54' E. on a random line, bet. secs. 22 and 27.  
Set temp. 1/4 sec. cor.

80.10 Intersect the N. and S. line at a point 5 chs. N. of  
cor. of secs. 22, 23, 26 and 27.

Thence I run,  
S. 89° 56' W., on a true line bet. secs. 22 and 27.  
Along the S. side of ridge.

10.00 Spur, extends SW.

22.00 Wash, 20 lks. wide, course SW. Ascend.

32.00 Top of ridge, extends N. and S., descend.

38.00 Wash, 20 lks. wide, course S.

40.05 Set a porphyry stone, 18 X 10 X 8 ins., 12 ins. in  
the ground, for 1/4 sec. cor., marked 1/4 on N. face, and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N.  
of cor. Pits impracticable.

Thence ascend along S. side of ridge.

55.00 Begin steep ascent.

68.00 Top of high spur from divide, extends S.

80.10 The cor. of secs. 21, 22, 27 and 28.

Land, mountainous.

Soil, stony; 3rd rate.

No timber, undergrowth, oak.

Mountainous land, exceptionally difficult to survey,  
80.00 chs. October 5, 1907.

October 6, 1907. At 7h a.m., l.m.t., I set off 4°  
46' S. on the decl. arc, and 32°10' N. on the lat.  
arc and determine a true meridian with the solar at  
the cor. of secs. 4, 5, 32 and 33.

Thence I run,

N. 0° 2' W. bet. secs. 32 and 33.

Ascending gradually over smooth land.

20.00 Top of spur, extends SSW.

27.00 Foot of slope.

40.00 Set a limestone, 20 X 12 X 8 ins., 15 ins. in the  
ground, for 1/4 sec. cor., marked 1/4 on W. face, and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor. Pits impracticable.

50.70 House and windmill of Anton Verdugo brs. N. 30 1/2° W.  
Road, dos Cabazas to Fort Bowie, brs. E. and W.

59.00 Wash, 25 lks. wide, course SW.

60.50 Pasture fence of J. A. Fenstermaker, brs. E. and W.

70.00 Road, Dos Cabazas to J.A.Fenstermaker, brs. E. and W.

72.00 Wash, 20 lks. wide, course SW.

80.00 House of J. A. Fenstermaker brs. S. 42° 10' E., 15 chs. dist.

Windmill of J.A.Fenstermaker, brs. S. 52 3/4° E.

Set a limestone, 20 X 12 X 8 ins., 15 ins. in the  
ground, for cor. of secs. 28, 29, 32 and 33, marked  
with 1 notch on the S. and 4 notches on the E. and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.  
of cor. Pits impracticable.

Land, rolling.

Soil, sandy and gravelly, 2nd and 3rd rate.

No timber.

Rolling land, 80.00 chs.

40.00 East, on a random line bet. secs. 28 and 33.

Set temp. 1/4 sec. cor.

Partial Subdivision of Tp. 14 South, Range 27 East.

chains  
80.00 Intersect the N. and S. line at at that cor. point of  
secs. 27, 28, 33 and 34.  
Thence I run.  
18.20 West on a true line bet. secs. 28 and 33.  
Over rolling land. *12.90 chs a point 2 x 6 ins. in mound of stone*

40.00 Set a granite stone, 24 X 10 X 6 ins., 18 ins. in the  
ground, 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.

40.87 Fence of J.A. Fenstermaker brs. N. and S.  
52.00 Top od spur, extends N. and S.  
57.00 Wash, 20 lks. wide, course SW.  
68.30 Fence, brs. N. and S.  
70.00 Wash, 20 lks. wide, course SSW.  
80.00 The cor. of secs. 28, 29, 32 and 33.  
Land, rolling.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
No timber, undergrowth, mesquite.  
Rolling land, 80.00 chs.

-----  
N.  $0^{\circ}$  2' W. bet. secs. 28 and 29.  
Ascending gradually.

17.48 Pasture fence, J. A. Fenstermaker, brd. E. and W.

19.00 Deep draw, 20 lks. wide, course SW. Ascend abruptly.  
28.00 Top of high spur, extends SW.  
40.00 Top of high ridge, extends E. and W.  
Set a limestone, 20 X 12 X 10 ins., 15 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, and  
raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of  
cor. Pits Impracticable.

60.00 Foot of steep mountain. 61.00. Road, NE. and SW.  
63.00 Center of wash or valley, 5.00 chs. wide, course SW.  
75.00 Top of spur, extends E. and W.  
80.00 Set a sandstone, 24 X 15 X 10 ins., 18 ins. in the  
ground, for cor. of secs. 20, 21, 28 and 29, marked with  
2 notches on the S. and 4 notches on the E. edge, and  
raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W.  
of cor. Pits impracticable.  
An oak, 6 ins. diam., brs. N.  $88^{\circ}$  W., 77 lks. dist.,  
marked T 14 S R 27 E S 20 B T.  
A juniper, 6 ins. diam., brs. S.  $57^{\circ}$  W., 26 lks. dist.,  
marked T 14 S R 27 E S 29 B T.  
An oak, 12 ins. diam., brs. N.  $12^{\circ}$  E., 205 lks. dist.,  
marked T 14 S R 27 E S 21 B T.  
No other tree available.  
Land, mountainous.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, oak, juniper and mesquite; undergrowth, oak and  
mesquite.  
Mountainous land, exceptionally difficult to survey,  
80.00 chs.

-----  
October 6; At noon, I set off  $4^{\circ} 53'$  S. on the decl.  
arc, and observe the sun on the meridia; the resulting  
lat. is  $32^{\circ} 12' N$ .  
East on a random line bet. secs. 21 and 28.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.04 Intersect the N. and S. line at a point 9 lks. S. of cor  
of secs. 21, 22, 27 and 28.  
Thence I run,  
S.  $89^{\circ} 56'$  W. on a true line bet. secs. 21 and 28.  
Over mountainous land, ascending along S. slope of high  
mountain.

17.10 Top of rocky spur, extends S., descend.  
19.50 Old tramway ~~Mines~~, engine house and hoist brs. N. 1.00  
chs. dist.

## Partial Subdivision of Tp. 14 South, Range 27 East.

chains	
22.00	Head of rocky gulch, 30 lks. wide, course SW. Thence along S. slope of high mountain.
40.02	Point for $\frac{1}{4}$ sec. cor. falls on a granite boulder in place which I mark with a cross and $\frac{1}{4}$ N. of cross, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Boulder is 4 X 4 X 4 ft. above ground. An oak, 24 ins. diam., brs. S. $75^{\circ} 45'$ W., 70 lks. dist., marked $\frac{1}{4}$ S 28 B T. No other tree available. Descend steeply.
52.00	Road, Dos Cabazos to Mine, Mts., brs. N. and S.
55.00	Gulch, 120 lks. wide, course S.
77.00	Gulch, 80 lks. wide, course SE.
80.04	The cor. of secs. 20, 21, 28 and 29. Land, mountainous. Soil, stony; 3rd and 4th rate. Timber, scattering oak and mesquite. Mountainous land, exceptionally difficult to survey, 80.04 chs.
-----	
	N. $0^{\circ} 3'$ W., bet. secs. 31 and 32. Descending over mountainous land.
4.50	Wash, 20 lks. wide, course W., begin steep ascent.
23.00	Top of high ridge, extends E. and W.
36.10	Wash in draw, 3.00 chs. wide, course WSW.
37.00	Wash in draw, 3.00 chs. wide, course WSW.
40.00	Set a conglomerate stone, 24 X 12 X 8 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. A willow, 6 ins. diam., brs. S. $45\frac{1}{2}^{\circ}$ E., 125 lks. dist., marked $\frac{1}{4}$ S 32 B T. A willow, 6 ins. diam., brs. S. $0^{\circ} 30'$ W., 169 lks. dist., marked $\frac{1}{4}$ S 31 B T.
42.30	Road, brs. NE. and SW.
54.50	Road, Dos Cabazos to Willcox, brs. E. and W. Town of Dos Cabazos brs $\frac{1}{4}$ mile East.
80.00	Set a sandstone, 24 X 12 X 8 ins., 18 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on the S. and 5 notches on the E. and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, sandy and stony; 2nd and 3rd rate. Timber, scattering mesquite and willow; undergrowth, willow and mesquite. Mountainous land, exceptionally difficult to survey, 80.00 chs.
-----	
	East on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect the N. and S. line at the cor. of secs. 28, 29, 32 and 33. Thence I run, West, on a true line bet. secs. 29, 32. Ascending gradually over broken land covered with small mesquite.
16.30	Wash, 8 lks. wide, course SSW.
31.50	Road, Dos Cabazos to Mascot Mine, brs. N. and S.
39.99	Set a granite stone, 24 X 10 X 8 ins., 18 ins. in the ground, 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.
42.50	Wash, 10 lks. wide, course SW.
50.50	Wash, 30 lks. wide, course S.
77.20	Fence pasture of J.A. Fenstermaker, brs. N. and S.



Partial Subdivision of Tp. 14 South, Range 27 East.

chains  
79.98

The cor. of secs. 29, 30, 31 and 32.  
Land, rolling and broken.  
Soil, sandy and stony; 2nd and 3rd rate.  
Timber, scattering mesquite; undergrowth, mesquite.  
Rolling land, 79.98 chs. October 6, 1907.

-----  
October 7, 1907. At 7h a.m., l.m.t., I set off  
5° 09' S. on the decl. arc, and 32° 11' N. on the  
lat. arc, and determine a true meridian with the solar  
at the cor. of secs. 29, 30, 31 and 32.

Then I run,  
West, on a random bet. secs. 30 and 31.  
40.00 Set temp. 1/4 sec. cor.  
79.50 Intersect the W. Bdy. of Tp. at a point 5 lks. S. of  
cor. of secs. 25, 30, 31 and 36.

Then I run,  
S. 89° 58' E., on a true line bet. secs. 30 and 31.  
Ascending over broken land.  
39.50 Set a granite stone, 24 X 10 X 8 ins., 18 ins. in the  
ground, for 1/4 sec. cor., marked 1/4 on N. face, and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N.  
of cor. Pits impracticable.

70.00 Wash, 100 lks. wide, course SW.  
79.50 The cor. of secs. 29, 30, 31 and 32.  
Land, rolling.

Soil, sandy and gravelly; 3rd and 2nd rate.  
Timber, scattering mesquite; undergrowth, mesquite.

-----  
N. 0° 3' W., bet. secs. 29 and 30.  
Over mountainous land.

5.00 Wash, 20 lks. wide, course SW.  
12.25 Fence, hrs. E. and W.

28.00 Wash, 10 lks. wide, course W., ascend mountain.  
40.00 Set a granite stone, 24 X 12 X 8 ins., 18 ins. in the  
ground, for 1/4 sec. cor., marked 1/4 on W. face, and  
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W.  
of cor. Pits impracticable.

59.00 Top of spur, extends W.  
69.00 Wash, 1.00 ch wide, course WSW,  
Thence over perpendicular cliff, 75 feet high.  
73.00 Top of cliff.

80.00 Point for cor. of secs. 19, 20, 29 and 30 falls on lime-  
stone boulder in place, 50 X 50 X 40 ins., above  
ground, which I mark with a cross for exact sec. cor  
point, with 2 grooves S. and 5 grooves E. of cross,  
and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor. Pits impracticable.

An oak, 18 ins. diam., hrs. N. 45° E., 110 lks.  
dist., marked T 14 S R 27 E S 20 B T.

No other trees available.

Land, mountainous.  
Soil, sandy and stony; 3rd and 4th rate.  
Timber scattering oak and mesquite; undergrowth,  
mesquite.

Mountainous land, exceptionally difficult to survey,  
80.00 chs.

-----  
October 7: At noon, I set off 5° 16' S. on the decl.  
arc, and observe the sun on the meridian; the result-  
ing lat. is 32° 12' N.

40.00 East, bet. secs. 20 and 29 on a random line.  
80.08 Set temp. 1/4 sec. cor.  
Intersect the N. and S. line at a point 7 lks. S. of  
cor. of secs. 20, 21, 28 and 29.

Then I run,  
S. 89° 57' W., on a true line bet. secs. 20 and 29.  
Over rough ground on S. slope of Dos Cabazos Peak.  
40.04 Set a granite stone, 24 X 10 X 8 ins., 18 ins. in the  
ground, for 1/4 sec. cor., marked 1/4 on N. face, and



Partial Subdivision of Tp. 14 South, Range 27 East.

chains	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
80.08	The cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, sandy and stony; 4th rate. Timber, none; undergrowth, mesquite. Mountainous land, exceptionally difficult to survey, 80.08 chs.
40.00	N. 89° 58' W. on a random line bet. secs. 19 and 30.
79.45	Set temp. ¼ sec. cor. Intersect the E. Boundary of Tp. at a point 5 lks. N. of cor. of secs. 19, 24, 25 and 30. Thence I run, East, on a true line bet. secs. 19 and 30. Ascending over mountainous land. Wash, 20 lks. wide, course SW. Wash, 50 lks. wide, course SW. Head of draw, course SW. Set a granite stone, 20 X 8 X 6 ins., 15 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
.90	Top of high ridge, extends N. and S
19.00	Head of draw, course S.
30.00	Head of draw, course S.
39.45	Wash, 50 lks. wide, course S. Over high rocks. Rocky ledge.
44.50	The cor. of secs. 19, 20, 29 and 30.
56.25	Land, mountainous.
59.40	Soil, stony; 4th rate.
67.50	Timber, oak and mesquite; undergrowth, mesquite.
71.00	Mountainous land, exceptionally difficult to survey, 79.45 chs.
76.00	
79.45	

October 7, 1907.

General Description.

The southern portion of this township as surveyed, is very broken, being on the south side of the two peaks of Dos Cabezos, in the Chiricahua Mountains. The soil is poor and of but little value for agriculture. In the outcroppings of the porphyry dyke on the north are some valuable mines of gold and copper. The upper strata of these outcroppings is mostly a loose granite, cut by numerous ledges of porphyry and quartz. In sec. 32 lies the town of Dos cabezos, consisting of about thirty families, who have built and occupy substantial houses and made other improvements, as windmills, fences, gardens, etc. The approximate location and names of these settlers is shown on a special plat accompanying the notes of this survey. J. Fenstermaker, J. Howard and E. Mc Fadden have small ranches and have built substantial houses and other improvements in the several sections, as noted.

*Jesse B. Wright*  
U. S. Deputy Surveyor.

*For authority for red ink corrections see deputy's letters dated July 1, 1908*

For FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

BOOK 2075

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of \_\_\_\_\_

showing the respective capacities in which they acted:

- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_

\_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for \_\_\_\_\_

- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 \_\_\_\_\_ }



For FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 2075

....., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from..... United States Surveyor General for....., bearing date of the..... day of....., 190....., I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of.....

..... of the..... meridian, in the..... of....., which are represented in the foregoing field notes as having been surveyed 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 United States 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.

.....  
United States Deputy Surveyor.

Subscribed by said....., and sworn to before me }  
this..... day of....., 190.....



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz., June 30th,....., 1908.

The foregoing field notes of the survey of the fractional subdivisions of T. 14 S., R. 27 E., and resurvey of the South bdy. of T. 14 S., R. 27 E. of the Gila and Salt River Base and Meridian, in the Territory of Arizona,

executed by Jesse B. Wright, U. S. deputy surveyor, under his contract No. 145, dated April 15th, 1907, 190....., 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*  
United States Surveyor General.

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.

.....  
United States Surveyor General.