

Accepted May 31-1912

FIELD NOTES

2262

2262

OF THE SURVEY OF THE

BOOK 2262

Second Standard Parallel N through  
Range 13 West

2262

2262

Of the *G. & S. R.* Meridian,

In the <sup>Terr.</sup> State of *Arizona*

EXECUTED BY

*John J. Voss*

In the capacity of U. S. <sup>Assistant</sup> Surveyor, under instructions dated *August 25*, 1910,  
issued by the United States Surveyor General to govern surveys included in  
Group No. *4*, which were approved by the Commissioner of the General Land  
Office, *September 9*, 1910, pursuant to authority contained in the Act of  
Congress dated *June 25*, 1910 *Amended March 4 1911*

Survey commenced *March 17*, 1911

Survey completed *March 17*, 1911

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Township 9 N, Range 13 W

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BOOK 2262

INDEX DIAGRAM.

Township 9 N, Range 13 W

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PRELIMINARY OATHS OF ASSISTANTS.

BOOK 2262

WE, *A. E. Lyon, J. H. Bates, Ed. Brockway and R. L. Bates* 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 *the Second Standard Parallel North through Rg. 13 W.*

*A. E. Lyon*, Chainman.

*J. H. Bates*, Chainman.

*Ed Brockway*

*R. L. Bates*

*John P. Hesse*

U. S. Transitman

Subscribed and sworn to before me this *16<sup>th</sup>* day of *March*, 19*11*



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 \_\_\_\_\_, 19\_\_\_\_



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 \_\_\_\_\_, 19\_\_\_\_



I, *L. E. Flanagan*, 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 *the Second Standard Parallel North through Rg. 13 W.*

*L. E. Flanagan*, Flagman.

Subscribed and sworn to before me this *16<sup>th</sup>* day of *March*, 19*11*



*John P. Hesse*

U. S. Transitman

## Second Standard Parallel North, through Rg. 13 W.

|         |   |
|---------|---|
| Chains. | <p>March 17, 1911.<br/>At 7h. 00m. a.m., l.m.t., I set off 34° 04½' N. on the lat. arc; 1° 35½' S. on the decl arc; and determine a meridian with the solar at the standard cor. of Tps. 9 N. Rgs. 12 and 13 W. established March 14, 1911, and described in Book "F."</p>  |
| 40.00   | <p>Thence I run W. on S.bdy. of sec. 36.<br/>Over level land through dense brush<br/>Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point<br/>By 1st. set 39.99 chs.<br/>By 2nd. set 40.01 chs.; the mean of which is<br/>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard ¼ sec. cor., marked on brass cap ¼ S36 in N. 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>Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point<br/>By 1st. set 79.97 chs.<br/>By 2nd. set 80.03 chs.; the mean of which is<br/>Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 35 and 36, marked on brass cap<br/>T9NR13W in N. half;<br/>S35 in N. W. and<br/>S36 in N. E. quadrants; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft high N. of cor.<br/>Land, level.<br/>Soil, 2nd. rate; sandy loam, mixed with gravel and rocks medium texture, dry.<br/>No timber.<br/>Undergrowth, greasewood.</p> |
| 9.74    | <p>West on S. bdy. sec. 35<br/>Over level land through dense brush.<br/>Cross wash 4 lks. wide course N. W.<br/>Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point<br/>By 1st. set, 39.98 chs.<br/>By 2nd. set, 40.02 chs.; the mean of which is</p>   |
| 40.00   | <p>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard ¼ sec. cor. marked on brass cap ¼ S35 in N. 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.<br/>Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lks.; position of middle point<br/>By 1st set 79.99 chs.<br/>By 2nd. set 80.01 chs.; the mean of which is</p>   |
| 80.00   | <p>Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor of secs. 34 and 35, marked on brass cap<br/>T9NR13W in N. half;<br/>S34 in N. W. and<br/>S35 in N. E. quadrants; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft high, N. of cor.<br/>Land, level.<br/>Soil, sandy loam, mixed with gravel and rocks; 2nd. rate; medium, texture, dry.<br/>No timber.<br/>Undergrowth, greasewood.</p>   |

## Second Standard Parallel North, through Rg. 13 W.

|         |  |
|---------|--|
| Chains. | West on S. bdy. sec. 34<br>Over level land through dense brush.  |
| 19.87   | Cross dim road bears N. and S.   |
| 26.82   | Cross wash 5 lks. wide course N. W.  |
| 32.19   | Cross wash 5 lks. wide course N. W.  |
| 36.94   | Cross wash 10 lks. wide course N. W.   |
| 37.70   | Cross wash 40 lks. wide course N.  |
|         | Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point<br>By 1st. set 39.98 chs.<br>By 2nd. set 40.02 chs.; the mean of which is  |
| 40.00   | Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S34 in N. 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.<br>Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks., position of middle point<br>By 1st. set 79.97 chs.<br>By 2nd. set 80.03 chs.; the mean of which is  |
| 80.00   | Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 33 and 34, marked on brass cap<br>T9NR13W in N. half;<br>S33 in N. W. and<br>S34 in N. E. quadrants; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.<br>Land, level.<br>Soil; Rich sandy loam, fine, texture, dry; 1st. rate.<br>No timber.<br>Undergrowth, greasewood, catclaw, and ironwood.<br>March 17; At this cor. I set off 1 <sup>c</sup> 32 $\frac{1}{2}$ ' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 04 $\frac{1}{2}$ ' N. |
|         | West on S. bdy. sec. 33<br>Over level land through dense brush   |
| 25.43   | Cross road bears N. and S.   |
|         | Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point<br>By 1st. set 40.02 chs.<br>By 2nd. set 39.98 chs.; the mean of which is  |
| 40.00   | Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S33 in N. 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.<br>Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point<br>By 1st. set 80.02 chs.<br>By 2nd. set 79.98 chs.; the mean of which is  |
| 80.00   | Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 32 and 33, marked on brass cap<br>T9NR13W in N. half;<br>S32 in N. W. and<br>S33 in N. E. quadrants; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, N. of cor.<br>Land, level.<br>Soil; sandy loam; medium texture; dry; 1st. rate.<br>No timber.<br>Undergrowth, greasewood.   |

## Second Standard Parallel North, through Rg. 13 W.

Chains.

West on S. bdy. sec. 32  
Over level land through dense brush  
Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks., position of middle point  
By 1st. set 39.97 chs.  
By 2nd. set 40.03 chs.; the mean of which is

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S32 in N. 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.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks., position of middle point  
By 1st. set 79.98 chs.  
By 2nd. set 80.02 chs.; the mean of which is

80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 31 and 32, marked on brass cap  
T9NR13W in N. half;  
S31 in N. W. and  
S32 in N. E. quadrant; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.  
Land, level.  
Soil; snady loam; fine texture; dry; 1st. rate.  
No timber.  
Undergrowth, greasewood.

West on S. bdy. sec. 31  
Over level land through dense brush  
Difference between measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point  
By 1st. set 40.01 chs.  
By 2nd. set 39.99 chs.; the mean of which is

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard  $\frac{1}{4}$  sec. cor. marked on brass cap  $\frac{1}{4}$ S31 in N. 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.  
Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point  
By 1st. set 80.02 chs.  
By 2nd. set 79.98 chs.; the mean of which is

80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of Tps. 9 N. Rgs. 13 and 14 W., marked on brass cap  
T9N in N. half;  
R14WS36 in N. W. and  
R13WS31 in N. E. quadrant; dig pits 30 x 24 x 12 ins. crosswise on each line E. and W. 4 ft. and N. of post 8 ft. dist., and raise a mound of earth 5 ft. base 2 $\frac{1}{2}$  ft. high N. of cor.  
Land, level.  
Soil; sandy loam; fine texture; dry; 1st. rate.  
No timber.  
Undergrowth, greasewood.

March 17, 1911.

## GENERAL DESCRIPTION.

Through range 13 this line runs over level desert land. The Township S. of the line is all level desert, no timber and no water, while north of the line the land is level in the southern part of the township and extremely rough and mountainous in the northern portion.

*John A. Hesse*  
U. S. Transitman.

LIST OF NAMES.

A list of the names of the individuals employed by John P. Hesse  
Transitman, 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:

- A. E. Lyon, J. H. Bates, Chainman.
- Ed. Brockway, R. L. Bates, Chainman.
- \_\_\_\_\_ Moundman.
- \_\_\_\_\_ Moundman.
- \_\_\_\_\_ Axman.
- \_\_\_\_\_ Axman.
- L. C. Flanagan, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John P. Hesse  
Transitman, United States ~~Deputy~~ Surveyor, in surveying all those parts or portions of the Second Standard Parallel North through  
Rg. 13 W.

\_\_\_\_\_ of the Gila and  
Salt River meridian, Territory of Arizona, 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 Arizona

- A. E. Lyon J. H. Bates, Chainman.
- R. L. Bates Ed. Brockway, Chainman.
- \_\_\_\_\_ Moundman.
- \_\_\_\_\_ Moundman.
- \_\_\_\_\_ Axman.
- \_\_\_\_\_ Axman.
- L. C. Flanagan, Flagman.

Subscribed and sworn to before me this 17<sup>th</sup>  
day of March, 1911

John P. Hesse  
U. S. Transitman





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FINAL OATH OF UNITED STATES ~~DEPUTY~~ SURVEYOR.

BOOK 2202

I, John P. Hesse, <sup>Transitman</sup> United States Deputy Surveyor, do solemnly swear that, in pursuance of ~~a contract~~ <sup>instructions</sup> received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 25<sup>th</sup> day of August, 1910, 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 Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Second Standard Parallel North through R. 13 W.

of the Gila and Salt River meridian, in the Territory of Arizona, 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John P. Hesse  
United States Deputy Surveyor.  
<sup>Transitman</sup>

Subscribed by said John P. Hesse, and sworn to before me }  
this 6<sup>th</sup> day of June, 1911



Frank S. Ingalls  
710 San Carl for Arizona

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. July, 4, 1912

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

Parallel North through Range 13 West, G. and S. C. Meridian, Arizona

executed by John P. Hesse <sup>W.D. Transitman</sup>  
under his ~~contract~~ No. 4, dated August 25, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

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.