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4-679

BOOK 2868

Book "E."

(Subdivisions)

# FIELD NOTES

OF THE SURVEY OF PART

of the

SUBDIVISION LINES OF

TOWNSHIP 14 NORTH, RANGE 6 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

John F. Hesse,

U. S. Surveyor,

In the capacity of U. S. Surveyor, under instructions dated Sept. 26,, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 37, which were approved by the Commissioner of the General Land

Office, October 3,, 1914.

Survey commenced February 1,, 1915.

Survey completed February 13,, 1915.

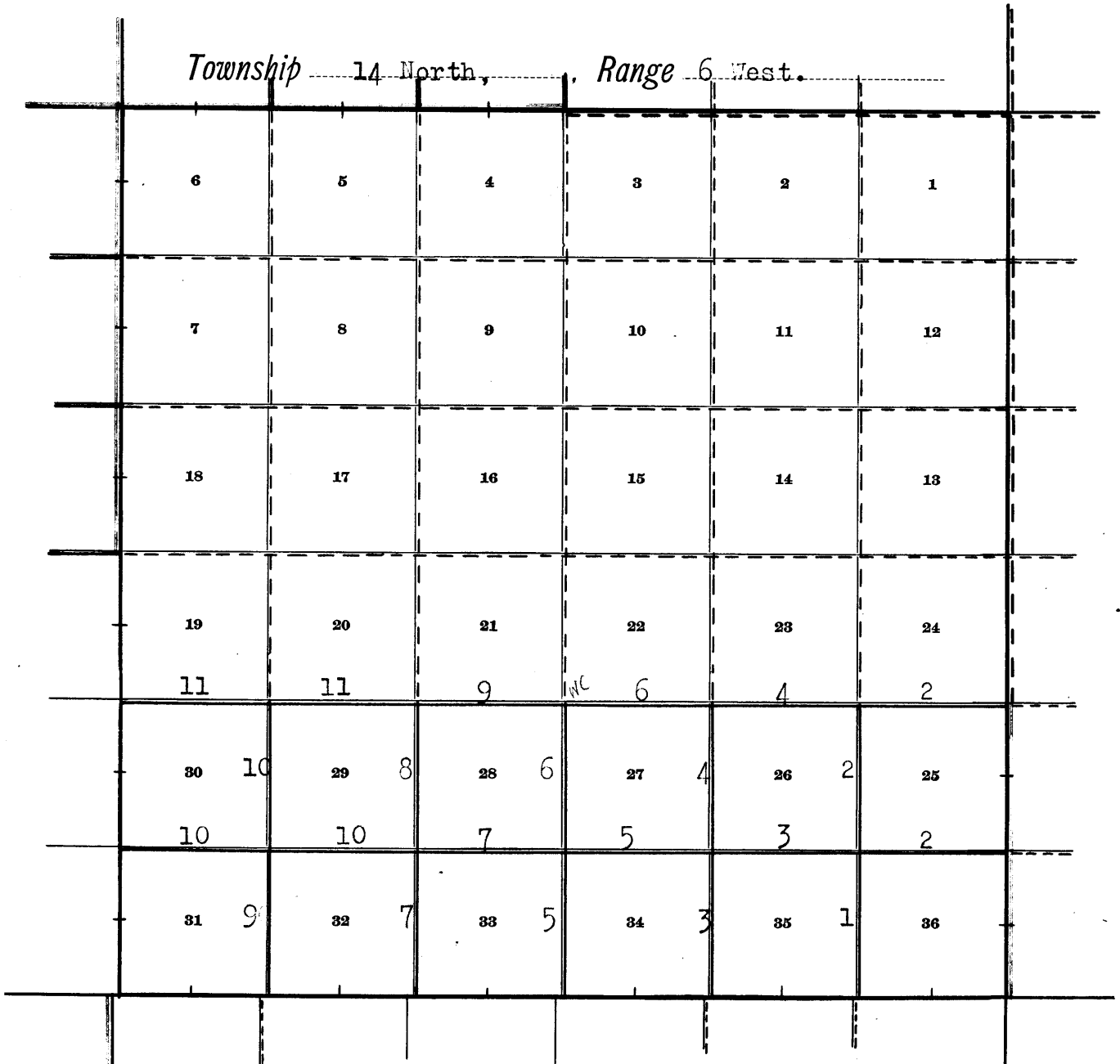
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1A

BOOK 2868

Book "E."

# INDEX DIAGRAM.

Township 14 North, Range 6 West.



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- Notes in this Book (indexed)
- - - - - Notes in Book "A"
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- Accepted surveys.
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Chains.

Survey commenced February 1, 1915, and executed with an A. Lietz light mountain transit, No. 6166, 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 verniers of the latitude and declination arcs. The instrument was approved by the Assistant Supervisor of Surveys for Arizona and California, conditional upon satisfactory field tests, September 28, 1914. I examine the adjustments of the transit, and find them correct; 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 by observations on Polaris, I proceed as follows:

At my camp which is located near the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of Tp. 14 N. Rg. 6 W.; latitude  $34^{\circ} 30' 03''$  N.; longitude  $112^{\circ} 53' 07''$  W.; I set off  $34^{\circ} 30'$  N. on the lat. arc;  $17^{\circ} 10'$  S. on the decl. arc; and at 4h. 00m. 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 my station.

At 10h. 41m. p.m., by my watch which has correct, l.m.t., I observe Polaris at western elongation in accordance with 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.

February 1, 1915.

February 2, 1915: At 7h. 30m. a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 23'$  to the east, and mark the meridian thus determined, by cutting a small groove in the stone set February 1, on which the meridian falls 0.1 ins. east of the mark determined by the solar.

At 8h. 00m. a.m., l.m.t., I set off  $34^{\circ} 30'$  N. on the lat. arc;  $16^{\circ} 57'$  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; this mark falls 0.2 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about  $0' 05''$  west and  $0' 11''$  east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. 10m. a. m. is N.  $15^{\circ} 30'$  W.; the angle thus determined gives the mag. decl.  $15^{\circ} 30'$  E.

I commence at the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., which is a stone firmly set in the ground, marked and witnessed as described by the surveyor general.

Thence I run  
 N.  $0^{\circ} 01'$  W. bet. secs. 35 and 36.  
 Over rolling top of mesa covered with loose volcanic rock.

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.

51.11 Dim road bears N. W. and S. E.

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;  
 T14NR6W in N. half;  
 S26 in N. W.  
 S25 in N. E.

## 2 Partial Subdivision of Sec. 21, Tp. 14 N. Rg. 6 W.

Chains.

S36 in S. E. and  
S35 in S. W. quadrant; and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
Land, rolling top of Mesa. Volcanic formation.  
Soil, rocky; 4th. rate.  
No timber.  
Poor grass.

East on a random line bet. secs. 25 and 36.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect E. bdy. of Tp. 18 lks. S. of the cor. of secs.  
25, 30, 31 & 36, established by me as described in Book "A."  
Thence I run  
S.  $89^{\circ} 52'$  W. on a true line bet. secs. 25 and 36.  
Over rolling top of mesa, covered with loose volcanic  
rock.  
35.04 Wash 40 lks. wide course S. W.  
40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the  
ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  
1915 on S. rim;  
 $\frac{1}{4}$ S25 in N. and  
S36 in S. half; and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
80.02 The cor. of secs. 25, 26, 35 and 36.  
Land, rolling top of mesa. Volcanic formation.  
Soil, rocky; 4th. rate.  
No timber.  
Poor grass.

N.  $0^{\circ} 01'$  W. bet. secs. 25 and 26.  
Over rolling top of mesa, covered with loose volcanic  
rock.  
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;  
 $\frac{1}{4}$ S26 in W. and  
S25 in E. half; and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
48.70 Dim road bears N. W. and S. E.  
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;  
T14NR6W in N. half;  
S23 in N. W.  
S24 in N. E.  
S25 in S. E. and  
S26 in S. W. quadrant; and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
Land, rolling top of mesa. Volcanic formation.  
Soil, rocky; 4th. rate.  
No timber.  
Poor grass.

February 2, 1915.

February 4, 1915.  
N.  $89^{\circ} 52'$  E. on a random line bet. secs. 24 and 25.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect E. bdy. of Tp. 12 lks. N. of the cor. of secs.  
19, 24, 25 and 30, established by me as described in  
Book "A." Thence I run,  
S.  $89^{\circ} 57'$  W. on a true line bet. secs. 24 and 25.

Partial Subdivision of ... Tp. 14 N. Rg. 6 W.

Chains. Over rolling top of mesa, covered with loose volcanic rock.

8.00 Wash 10 lks. wide course S. W.

39.96 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.

76.00 Wash 10 lks. wide course N. W.

79.92 The cor. of secs. 23, 24, 25 and 26.  
 Land, rolling top of mesa. Volcanic formation.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Poor grass.

February 4, 1915.

February 3, 1915; At 8h. 30m. a.m., l.m.t., I set off  $34^{\circ} 30'$  N. on the lat. arc;  $16^{\circ} 40'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp. which is a stone firmly set in the ground, marked and witnessed as described by the surveyor general.

Thence I run  
 N.  $0^{\circ} 01'$  W. bet. secs. 34 and 35.  
 Ascend steep S. W. slope.

4.00 Mesa 159 ft. above cor. and over rolling top of mesa, covered with loose volcanic rock.

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;  
 $\frac{1}{4}$ S34 in W. and  
 S35 in E. half; from which  
 A cedar 14 ins. diam., bears N.  $9^{\circ}$  E. 270 lks. dist., marked  $\frac{1}{4}$ S35BT.  
 No other bearings available. Raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

42.90 Wash 20 lks. wide course N. W.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, marked on brass cap  
 1915 on S. rim;  
 T14NR6W in N. half;  
 S27 in N. W.  
 S26 in N. E.  
 S35 in S. E. and  
 S34 in S. W. quadrant; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, S. W. slope and rolling top of mesa. Volcanic formation.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Poor grass.

40.00 East on a random line bet. secs. 26 and 35.

80.20 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect N. and S. line 16 lks. S. of the cor. of secs. 25, 26, 35 and 36.  
 February 3; At this cor. I set off  $16^{\circ} 38\frac{1}{2}'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $34^{\circ} 31'$  N.  
 Thence I run  
 S.  $89^{\circ} 53'$  W. on a true line bet. secs. 26 and 35.  
 Over rolling top of mesa covered with loose volcanic rock.

39.87 Dim road bears N. W. and S. E.

## 4 Partial Subdivision of Parcel. Tp. 14 N. Rg. 6 W.

| Chains.   |   |
|---|---|
| 40.10   | 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<br>1915 on S. rim;<br>$\frac{1}{4}$ S26 in N. and<br>S35 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.   |
| 80.20   | The cor. of secs. 26, 27, 34 and 35.<br>Land, rolling top of mesa. Volcanic formation.<br>Soil, rocky; 4th. rate.<br>No timber.<br>Poor grass.  |
| 3.15  | N. $0^{\circ} 01'$ W. bet. secs. 26 and 27.<br>Over rolling top of mesa covered with loose volcanic rock.<br>Wash 10 lks. wide course S. 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<br>1915 on S. rim;<br>$\frac{1}{4}$ S27 in W. and<br>S26 in E. half; from which<br>A cedar 10 ins. diam., bears S. $52^{\circ}$ E. 306 lks. dist., marked $\frac{1}{4}$ S26BT.<br>No other bearings available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.                                 |
| 80.00   | Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked on brass cap<br>1915 on S. rim;<br>T14NR6W in N. half;<br>S22 in N. W.<br>S23 in N. E.<br>S26 in S. E. and<br>S27 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.<br>Land, rolling top of mesa. Volcanic formation.<br>Soil, rocky; 4th. rate.<br>No timber.<br>Poor grass. |
| February 3, 1915.   |   |
| February 4, 1915; At 8h. 30m. a.m., l.m.t., I set off $34^{\circ} 32'$ N. on the lat. arc; $16^{\circ} 22\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27. |   |
| 40.00   | Thence I run<br>N. $89^{\circ} 53'$ E. on a random line bet. secs. 23 and 26.<br>Set temp. $\frac{1}{4}$ sec. cor.  |
| 80.30   | Intersect N. and S. line 9 lks. S. of the cor. of secs. 23, 24, 25 and 26.  |
| 40.15   | Thence I run<br>S. $89^{\circ} 49'$ W. on a true line bet. secs. 23 and 26.<br>Over rolling top of mesa covered with loose volcanic rock.<br>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<br>1915 on S. rim;<br>$\frac{1}{4}$ S23 in N. and<br>S26 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.                          |
| 77.86   | Dim road bears N. W. and S. E.  |
| 80.30   | The cor. of secs. 22, 23, 26 and 27.<br>Land, rolling top of mesa. Volcanic formation.<br>Soil, rocky; 4th. rate.<br>No timber.<br>Poor grass.  |

| Chains.   | <p>February 4; At the cor. of secs. 23, 24, 25 and 26 I set off 16° 21' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 32' N.</p> <p style="text-align: center;">February 4, 1915.</p>  |
|---|--|
| <p>19.87<br/>31.43<br/>40.00</p>                              | <p>February 5, 1915; At 8h. 00m. a.m., l.m.t., I set off 34° 30' N. on the lat. arc; 16° 04½' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 33 and 34 on the S. bdy. of the Tp. which is a stone, firmly set in the ground, marked and witnessed as described by the surveyor general.</p> <p>Thence I run<br/>N. 0° 02' W. bet. secs. 33 and 34.<br/>Ascend gradually through dense brush.<br/>Wire fence bears N. E. and S. W.<br/>Ascend becomes steep, and brush becomes scattering.<br/>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap<br/>1915 on S. rim;<br/>¼S33 in W. and<br/>S34 in E. half; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.<br/>From this cor.<br/>C. R. French house bears S. 34° 15' W.<br/>barn bears S. 36° 14' W.<br/>This is the ranch formerly owned by J. D. Cage, applicant for this survey.</p> |
| <p>40.30<br/>43.50<br/>67.40<br/>70.30<br/>80.00</p>          | <p>Road bears N. W. and S. E.<br/>Ridge bears E. and W. 255 ft. above cor. Descend.<br/>Creek 5 lks. wide course W. clear running water 4 ins. deep. 112 ft. below ridge.<br/>Creek 10 lks. wide course S. W., clear running water 4 ins. deep.<br/>Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap<br/>1915 on S. rim;<br/>T14NR6W in N. half;<br/>S28 in N. W.<br/>S27 in N. E.<br/>S34 in S. E. and<br/>S33 in S. W. quadrant; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.<br/>Land, mountainous. Volcanic formation.<br/>Soil, rocky; 4th. rate.<br/>No timber.<br/>Undergrowth, crucifixion and catclaw.<br/>Poor grass.</p>  |
| <p>40.00<br/>79.96<br/>1.26<br/>22.84<br/>33.40<br/>39.98</p> | <p>February 5; At this cor. I set off 16° 03' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 31' N.</p> <hr/> <p>East on a random line bet. secs. 27 and 34.<br/>Set temp. ¼ sec. cor.<br/>Intersect N. and S. line 16 lks. S. of the cor. of secs. 26, 27, 34 and 35.<br/>Thence I run<br/>S. 89° 53' W. on a true line bet. secs. 27 and 34.<br/>Over rolling top of mesa covered with loose volcanic rock.<br/>Wash 15 lks. wide course S. W.<br/>Edge of mesa. Descend.<br/>Descend over huge granite boulders.<br/>Set an iron post 3 ft. long, 1 in. diam., 13 ins. in the ground in a mound of stone, for ¼ sec. cor., marked on brass cap</p>   |

## 6 Partial Subdivision of Parcel. Tp. 14 N. Rg. 6 W.

|         |   |
|---------|---|
| Chains. | 1915 on S. rim;<br>$\frac{1}{4}$ S27 in N. and<br>S34 in S. half; and raise a mound of stone 2 ft.<br>base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.  |
| 79.96   | The cor. of secs. 27, 28, 33 and 34.<br>567 ft. below mesa.<br>Land, Mountainous. Granite and volcanic formation.<br>Soil, rocky; 4th. rate.<br>Timber, a few pinons in W. half mile.<br>Poor grass.  |
|         | February 5, 1915.   |
|         | February 6, 1915; At 8h. 30m. a.m., l.m.t., I set off $34^{\circ}$<br>$31'$ N. on the lat. arc; $15^{\circ} 46\frac{1}{2}'$ S. on the decl. arc;<br>and determine a meridian with the solar at the cor. of<br>secs. 27, 28, 33 and 34.<br>Thence I run<br>N. $0^{\circ} 02'$ W. bet. secs. 27 and 28.<br>Ascending over huge granite boulders, through scattering<br>brush.   |
| 22.05   | Creek 20 lks. wide course S. W., clear running water 3<br>ins. deep.  |
| 26.00   | Creek 15 lks. wide course S. W., clear running water 2<br>ins. deep. 27 ft. above cor.  |
| 40.00   | Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the<br>ground for $\frac{1}{4}$ sec. cor., marked on brass cap<br>1915 on S. rim;<br>$\frac{1}{4}$ S28 in W. and<br>S27 in E. half; and raise a mound of stone 2 ft.<br>base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.   |
| 79.72   | Set an iron post 3 ft. long, 2 ins. diam., 12 ins. in the<br>ground, in a mound of stone, for witness corner to cor. of secs.<br>21, 22, 27 & 28 marked on brass cap<br>1915 on S. rim;<br>WC S. of center;<br>T14NR6W in N. half;<br>S21 in N. W.<br>S22 in N. E.<br>S27 in S. E. and<br>S28 in S. W. quadrant; and raise a mound of stone<br>2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.   |
| 80.00   | True point for cor. of secs. 21, 22, 27 and 28, falls on<br>Steep slope of granite ledge, where it is impossible<br>to establish cor. 317 ft. above creek.<br>Land, mountainous. Huge piled up granite boulders.<br>Granite formation.<br>Soil, rocks; worthless.<br>Timber, a few scattering pinons.<br>Undergrowth, catclaw and oak.<br>Poor grass.<br>February 6; At this cor. I set off $15^{\circ} 44\frac{1}{2}'$ S. on the<br>decl. arc; and observe the sun on the meridian at noon;<br>the resulting lat. is $34^{\circ} 32'$ N. |
|         | From true point for cor. of secs. 21, 22, 27 and 28,<br>N. $89^{\circ} 53'$ E. on a random line bet. secs. 22 and 27.   |
| 40.00   | Set temp. $\frac{1}{4}$ sec. cor.   |
| 80.08   | Intersect N. and S. line 9 lks. S. of the cor. of secs.<br>22, 23, 26 and 27.<br>Thence I run<br>S. $89^{\circ} 49'$ W. on a true line bet. secs. 22 and 27.<br>Over rolling top of mesa, covered with loose volcanic<br>rock.  |
| 22.28   | Wash 10 lks. wide course N. W.  |
| 38.28   | Edge of mesa, descend.  |



## Partial Subdivision of Sec. 14 N. Rg. 66 W.

7

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| Chains.<br>40.04  | Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap<br>1915 on S. rim;<br>$\frac{1}{4}$ S22 in N. and<br>S27 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.  |
| 52.28   | Creek 5 lks. wide course S. W., clear running water 4 ins. deep. 229 ft. below mesa. Ascend over huge piled up granite boulders.   |
| 72.40   | Spur, brs. SE. Descend. 139 ft. above creek.   |
| 80.08   | The true point for cor. of secs, 21, 22, 27 and 28. Land, mountainous. Huge granite boulders. Volcanic and granite formation.<br>Soil, rocky; worthless.<br>No timber.<br>Poor grass.<br>64. ft. below spur.   |
| Feb. 6. 1915.   |  |
| February 8, 1915; At 8h. 00m. a.m., l.m.t., I set off $34^{\circ} 30'$ N. on the lat. arc; $15^{\circ} 09'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 32 and 33 on the S. bdy. of the Tp., which is a stone, firmly set in the ground, marked and witnessed as described by the surveyor general.<br>From this cor.<br>C. R. French house bears S. $87^{\circ}$ E.<br>barn bears N. $87^{\circ} 47'$ E.<br>Thence I run<br>N. $0^{\circ} 02'$ W. bet. secs. 32 and 33.<br>Over rolling land, through dense brush. |  |
| 9.00  | Wash 10 lks. wide course E.  |
| 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<br>1915 on S. rim;<br>$\frac{1}{4}$ S32 in W. and<br>S33 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.   |
| 40.50   | Wash 3 lks. wide course S. E.  |
| 63.20   | Ascend over huge granite boulders. Brush becomes scattering.   |
| 67.69   | Top of rocky knoll. 20 ft. high. descend.  |
| 70.00   | Wash 10 lks. wide course W. 37 ft. below knoll. Ascend.  |
| 71.80   | Wash 5 lks. wide course S. W.  |
| 80.00   | Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap<br>1915 on S. rim;<br>T14NR6W in N. half;<br>S29 in N. W.<br>S28 in N. E.<br>S33 in S. E. and<br>S32 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.<br>130 ft. above 63.20 chn. point.<br>Land, rolling and mountainous. Granite formation.<br>Soil, decomposed granite and loam; 1st. rate. to 63.20 chs. thence rocky; 4th. rate.<br>No timber.<br>Undergrowth, oak and catclaw. |
| East on a random line bet. secs. 28 and 33.   |  |
| 40.00   | Set temp. $\frac{1}{4}$ sec. cor.  |
| 80.20   | Intersect N. and S. line 2 lks. N. of the cor. of secs. 27, 28, 33 and 34.<br>Thence I run   |

## 8 Partial Subdivision of Tp. 14 N. Rg. 6 W.

Chains. N.  $89^{\circ} 59'$  W. on a true line bet. secs. 28 and 33.  
Over huge granite boulders, gradually descending.

4.70 Creek 10 lks. wide course S., clear water 3 ins. deep.  
and ascend gradually over huge boulders.

40.10 Set an iron post 3 ft. long, 1 in. diam., 10 ins. in the  
ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
brass cap  
1915 on S. rim;  
 $\frac{1}{4}$ S28 in N. and  
S33 in S. half; and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.

42.88 Wash 10 lks. wide course S. E.

62.73 Granite ridge, bears N. W. and S. E. 267 ft. above creek.  
descend.

77.70 Wash 10 lks. wide course S. 270 ft. below ridge.

80.20 The cor. of secs. 28, 29, 32 and 33.  
Land, mountainous. Huge boulders. Granite formation.  
Soil, rocks; worthless.  
No timber.  
Poor grass.  
February 8; At the  $\frac{1}{4}$  sec. cor. bet. secs. 28 and 33, I  
set off  $15^{\circ} 07\frac{1}{2}'$  S. on the decl. arc; and observe the sun  
on the meridian at noon; the resulting lat. is  $34^{\circ}$   
 $31'$  N.

February 8, 1915.

February 9, 1915; At 8h. 00m. a.m., l.m.t., I set off  $34^{\circ}$   
 $31'$  N. on the lat. arc;  $14^{\circ} 50'$  S. on the decl. arc;  
and determine a meridian with the solar at the cor. of  
secs. 28, 29, 32 and 33.  
Thence I run  
N.  $0^{\circ} 02'$  W. bet. secs. 28 and 29.  
Ascend, over huge granite boulders.

29.54 Ascent becomes gradual.

40.00 Set an iron post 3 ft. long, 1 in. diam., 12 ins. in the  
ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
brass cap  
1915 on S. rim;  
 $\frac{1}{4}$ S29 in W. and  
S28 in E. half; and raise a mound of stone 2 ft.  
base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

62.59 Ridge bears N. W. and S. E. 602 ft. above cor. Descend.

75.35 Wash 10 lks. wide course E. 241 ft. below ridge. Ascend.

80.00 Set an iron post 2 ins. diam., 3 ft. long, 10 ins. in the  
ground, in a mound of stone, for cor. of secs. 20, 21,  
28 and 29, marked on brass cap  
1915 on S. rim;  
T14NR6W in N. half;  
S20 in N. W.  
S21 in N. E.  
S28 in S. E. and  
S29 in S. W. quadrant; and raise a mound of stone  
2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
Land, mountainous. Huge boulders. Granite formation.  
Soil, rocks; worthless.  
No timber.  
Poor grass.  
17 ft. above wash.  
February 9; At this cor. I set off  $14^{\circ} 48\frac{1}{2}'$  S. on the  
decl. arc; and observe the sun on the meridian at noon;  
the resulting lat. is  $34^{\circ} 32'$  N.

Chains.

S. 89° 59' E. on a random line bet. secs. 21 and 28.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.16 Intersect N. and S. line at true point for cor. of secs. 21, 22, 27 and 28.  
 Thence I run  
 N. 89° 59' W. on a true line bet. secs. 21 and 28.  
 From true point for cor.  
 Over huge granite boulders. Descend.  
 4.76 Wash 10 lks. wide course S. W. 129 ft. below cor. Ascend.  
 40.08 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;  
 $\frac{1}{4}$ S21 in N. and  
 S28 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 ,44.31 Top of knoll. 232 ft. above wash, descend.  
 58.16 Wash 30 lks. wide course S. E. 292 ft. below knoll. Ascend.  
 80.16 The cor. of secs. 20, 21, 28 and 29. 162 ft. above wash.  
 Land, mountainous. Huge boulders. Granite formation. Soil, rocks; worthless.  
 No timber.  
 Poor grass.

February 9, 1915.

February 10, 1915; At 8h. 00m. a.m., l.m.t., I set off 34° 30' N. on the lat. arc; 14° 31' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32 on the S. bdy. of the Tp. which is a rock in place, marked and witnessed as described by the surveyor general.

Thence I run  
 N. 0° 03' W. bet. secs. 31 and 32.  
 Ascend, over huge granite boulders.  
 2.00 Low ridge bears E. and W. descend.  
 23.14 Road, bears E. and W.  
 27.60 Wash 15 lks. wide course S. E. 58 ft. below ridge. Ascend.  
 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;  
 $\frac{1}{4}$ S31 in W. and  
 S32 in E. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 63.37 Wash 10 lks. wide course N. E. 47 ft. above last wash.  
 76.92 Ridge bears N. E. and S. W. 57 ft. above wash. Descend.  
 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  
 1915 on S. rim;  
 T14NR6W in N. half;  
 S30 in N. W.  
 S29 in N. E.  
 S32 in S. E. and  
 S31 in S. W. quadrant; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 32 ft. below ridge.  
 Land, mountainous. huge boulders. Granite formation. Soil, rocky; 4th. rate.  
 No timber.  
 Poor grass.

40.00 East on a random line bet. secs. 29 and 32.  
 Set temp.  $\frac{1}{4}$  sec. cor.

## 10 Partial Subdivision of Twp. 14 N. Rg. 6 W.

Chains.

- 79.84 Intersect N. and S. line 30 lks. S. of the cor. of secs. 28, 29, 32 and 33.  
Thence I run  
S.  $89^{\circ} 47'$  W. on a true line bet. secs. 29 and 32.  
Descend along S. W. slope over huge granite boulders.
- 39.92 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;  
 $\frac{1}{4}$ S29 in N. and  
S32 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
February 10; At this cor. I set off  $14^{\circ} 29'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $34^{\circ} 31'$  N.
- 42.59 Wash 40 lks. wide course N. W. 275 ft. below cor. Ascend.  
76.16 Ridge bears N. E. and S. W. 327 ft. above wash. Descend.  
79.84 The cor. of secs. 29, 30, 31 and 32.  
62 ft. below ridge.  
Land, mountainous. Granite formation.  
Soil, rocky; 4th. rate.  
No timber.  
Poor grass.

- 40.00 West on a random line bet. secs. 30 and 31.  
Set temp.  $\frac{1}{4}$  sec. cor.
- 79.36 Intersect W. bdy. of Tp. 30 lks. N. of the cor. of secs. 25, 30, 31 and 36, which is a stone, firmly set in the ground, marked and witnessed as described by the surveyor general.  
Thence I run  
N.  $89^{\circ} 47'$  E. on a true line bet. secs. 30 and 31.  
Over huge granite boulders.
- .76 Descend.  
7.17 Road bears N. and S.
- 39.36 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;  
 $\frac{1}{4}$ S30 in N. and  
S31 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.
- 43.44 Wash 10 lks. wide course N. W. 224 ft. below cor. Ascend.  
60.21 Ridge bears N. and S. 199 ft. above wash. descend.  
75.50 Wash 10 lks. wide course N. E. 99 ft. below ridge.  
Ascend.
- 79.36 The cor. of secs. 29, 30, 31 and 32.  
68 ft. above wash.  
Land, mountainous. Granite formation.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, oak.  
Poor grass.

February 10, 1915.

February 12, 1915: At 8h. 00m. a.m., l.m.t., I set off  $34^{\circ} 31'$  N. on the lat. arc;  $13^{\circ} 51\frac{1}{2}'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32.

- Thence I run  
N.  $0^{\circ} 03'$  W. bet. secs. 29 and 30.  
Descend through scattering brush.
- 16.98 Wash 20 lks. wide course W. 355 ft. below cor. Ascend  
steep S. slope covered with granite boulders.
- 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

Partial Subdivision of Township 14 North, Range 6 West. 11.

Chains.

1915 on S. rim;  
 $\frac{1}{4}$  S 30 in W., and  
 S 29 in E. half;  
 and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

49.34 Top of ascent, 548 ft. above wash, and over country covered with huge granite boulders.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap.

1915 in S. rim;  
 T 14 N R 6 W in N. half;  
 S 19 in NW.;  
 S 20 in NE.,  
 S 29 in SE., and  
 S 30 in SW. quadrant; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

Land, mountainous. Granite formation.  
 Soil, rocky, 4th rate.  
 No timber.  
 Undergrowth, oak and catclaw.  
 Poor grass.  
 February 12: At this cor., I set off  $13^{\circ} 49\frac{1}{2}'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $34^{\circ} 32'$  N.

40.00 N.  $89^{\circ} 47'$  E. on a random line, bet. secs. 20 and 29.  
 79.80 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect N. and S. line, 18 lks. N. of the cor. of secs. 20, 21, 28 and 29.

February 12, 1915.  
 February 13, 1915: At 8h. 30m. a.m., l.m.t., I set off  $34^{\circ} 32'$  N. on the lat. arc;  $13^{\circ} 32'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.  
 Thence I run,  
 S.  $89^{\circ} 55'$  W. on a true line, bet. secs. 20 and 29.  
 Ascend over huge granite boulders.

24.74 Ridge, brs. N. and S. 295 ft. above cor. Descend.  
 39.90 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone for  $\frac{1}{4}$  sec. cor., marked on brass cap,  
 1915 in S. rim;  
 $\frac{1}{4}$  S 20 in N., and  
 S 29 in S. half;  
 and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.

65.15 Wash, 10 lks. wide, course NW. 751 ft. below ridge.  
 Ascend.

79.80 The cor. of secs. 19, 20, 29 and 30.  
 168 ft. above ridge.  
 Land, mountainous. Huge boulders. Granite formation.  
 Soil, rocks; worthless.  
 No timber.  
 Poor grass.

40.00 S.  $89^{\circ} 47'$  W. on a random line, bet. secs. 19 and 30.  
 79.16 Set temp.  $\frac{1}{4}$  sec. cor.  
 Intersect W. bdy. of Tp. 28 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is a stone firmly set in the ground, marked and witnessed, as described by the Surveyor General.  
 Thence I run,  
 N.  $89^{\circ} 59'$  E. on a true line, bet. secs. 19 and 30.  
 Ascend over huge granite boulders.

FEB. 18. 1916

Book "E"  
Grp 37  
Hesse

## 12. Partial Subdivision of Township 14 North, Range 6 West.

Chains.

- 3.22 Top of ridge and along on top of ridge, 73 ft. above cor.  
 8.22 Ascend.  
 26.11 341 ft. below ridge, and along on N. slope of ridge, covered  
 with huge granite boulders, gradually ascending.  
 39.16 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,  
 1915 on S. rim;  
 $\frac{1}{4}$  S 19 in N., and  
 S 30 in S. half;  
 raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 Pits impracticable.  
 79.16 The cor. of secs. 19, 20, 29 and 30.  
 373 ft. above 53.05 chain point.  
 Land, mountainous. Huge boulders; granite formation.  
 Soil, rocks, worthless.  
 No timber.  
 Poor grass.

February 13, 1915.

GENERAL DESCRIPTION.

The eastern part of the subdivided portion of this township is rolling land, on top of high mesa; the rest of the township is very rough and mountainous, excepting the southern part of sec. 33, which is nearly level land. The mesa formation is volcanic, and the rest of the township granite and loam, very fertile.

The soil of the southern part of sec. 33 is decomposed granite and loam, very fertile, and the rest of the township is rocky and the soil is worthless.

The small creeks in the central part of the township are dry in summer.

There is no timber in the township, and poor grass.

There is one settler in sec. 33.

*John P. Hesse*  
 U.S. Surveyor.

BOOK 2868

For FINAL OATH OF UNITED STATES SURVEYOR.  
See Book "B." of this Group.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Phoenix, Arizona, FEB 18, 191 6.

The foregoing field notes of the survey of \_\_\_\_\_ part of the Subdivision Lines of \_\_\_\_\_ Township 14 North, Range 6 West, \_\_\_\_\_ of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by \_\_\_\_\_ John F. Hesse, U. S. Surveyor, \_\_\_\_\_ under his special instructions dated \_\_\_\_\_ September 26, 1914, for Group 37, 191 \_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Surveyor General.  
of Arizona.

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