

2650

4-679

BOOK "C"

BOOK 2650

MAR 17 1914

# FIELD NOTES

OF THE SURVEY OF  
A PORTION OF

The subdivision lines

and resurvey of a part of the E. bdy. of Tp. 8 S. Rg. 20 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 August 25, 1910, issued by the United States Surveyor General to govern surveys included in Group No. 6, which were approved by the Commissioner of the General Land Office, September 9th, 1910, pursuant to authority contained in the Act of Congress dated June 23rd, 1913.

and Resurvey Survey, commenced October 10, 1913.

and Resurvey Survey, completed October 14, 1913.

1A

BOOK 2650

# INDEX DIAGRAM.

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part of  
Resurvey of the east boundary of Tp. 8 S. Rg. 20 E.

Chains.

October 10<sup>1913</sup> At 8h. 00m. a.m., l.m.t., I set off 32° 41' N. on the lat. arc; 6° 33' S. on the decl. arc; and determine a meridian with the solar at the true point. for cor. of Sps. 8 and 9 S. Rg. 20 and 21 E. 2.00 chs. N. of W. cor., which is a cross on rock in place, mkd. & witnessed by as described by the Surveyor General. Thence I run, North, on a random line, bet. secs. 31 and 36

40.00 After diligent search am unable to find any trace of the old  $\frac{1}{4}$  sec. cor.

82.91 Fall 65 lks. W. of <sup>OLD</sup> cor. of secs. 25, 30, 31 and 36, which is a granite stone 12 X 10. x 5 ins. above ground marked and witnessed as described by the surveyor general, I change ~~the mound of stone E. of the cor.~~ THIS OLD COR. TO REFER TO SECS. 30 & 31, T. 8 S. R. 21 E. ONLY BY MOVING THE MOUND OF STONE E. OF THE COR. TRUE COURSE & DIST. OF THIS MILE IS THEREFORE N. 0° 27' E. 82.91 chs. I return to the true point for cor. of Ts. 8 and 9 S., Rs. 20 and 21 E., and run N. 0° 27' E. bet. secs. 31 and 36, on true line, Ascend steep rocky S. slope out of canyon, through scattering brush.

18.40 Cross road bears E. and W. on top of ridge bears E. and W. enter dense brush. Descend.

35.50 Cross wash 100 lks. wide course N. E. ascend.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for <sup>REESTAB.</sup>  $\frac{1}{4}$  sec. cor. of sec. 36 <sup>T. 8 S. R. 20 E.</sup> marked on brass cap  $\frac{1}{4}$  S36 in W. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

41.45 Set a granite stone 20 x 14 x 12 ins. 15 ins. in the ground for <sup>REESTAB.</sup>  $\frac{1}{4}$  sec. cor. of sec. 31 <sup>T. 8 S. R. 21 E.</sup> marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, E. of cor. Pits impracticable.

53.00 Ridge, bears N. E. and S. W. descend.

71.00 Cross wash, 12 lks. wide course N. E. ascend.

79.50 Ridge, bears N. E. and S. W. descend.

80.00 Set a granite stone 18 x 10 x 7 ins. 12 ins. in the ground for <sup>REESTAB.</sup> cor. of secs. 25 and 36 <sup>T. 8 S. R. 20 E.</sup> marked with 1 notch on S. and 5 notches on N. edges; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.

82.91 <sup>REESTAB.</sup> The cor. of secs. 30 and 31, T. 8 S. R. 21 E., hereinbefore described. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak and mesquite.

NOTE: Note: At this cor. I set off 6° 37 $\frac{1}{2}$ ' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 41 $\frac{1}{2}$ ' N.

From the <sup>REESTAB.</sup> cor. of secs. 30 and 31, T. 8 S. R. 21 E., hereinbefore described, I run, North, on a random line, bet. secs. 25 and 30.

39.47 Fall 39 lks. W. of <sup>OLD</sup>  $\frac{1}{4}$  sec. cor. a granite stone 18 x 10 x 12 ins. above ground, marked as described by the surveyor general. The pits and mound of earth have been destroyed. I raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, E. of cor. True course & dist. of this  $\frac{1}{2}$  mile is therefore N. 0° 34' E., 39.47 chs. CHANGE THIS OLD  $\frac{1}{4}$  SEC. COR. TO REFER TO SEC. 30, T. 8 S. R. 21 E. ONLY AS FOLLOWS: Thence North on random line bet. secs. 25 and 30 on N  $\frac{1}{2}$  mile

39.94 Fall on the <sup>OLD</sup> cor. of secs. 24, 25 and 30, which is a granite stone 12 x 10 x 6 ins. above ground marked and witnessed as described by the surveyor general. I move mound of stone E. of cor., thus changing this old cor. to refer to secs. 19 & 30, T. 8 S. R. 21 E. only. True course & dist. of this  $\frac{1}{2}$  mile is therefore North, 39.94 chs. I now return to cor. of secs. 30 & 31, T. 8 S. R. 21 E., thence I run, on true line N. 0° 34' E. on W. bdy. of sec. 30, T. 8 S. R. 21 E. Descend through scattering brush.

11.00 Cross wash 14 lks. wide course N. E. ascend.

19.00 Ridge bears N. E. and S. W. descend.

27.10 Cross wash 20 lks. wide course N. E. ascend.

37.09 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for <sup>REESTAB.</sup>  $\frac{1}{4}$  sec. cor. of sec. 25 <sup>T. 8 S. R. 20 E.</sup> marked on brass cap  $\frac{1}{4}$  S25 in W. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high W. of cor. Pits impracticable.

part of  
Resurvey of the east boundary of Tp. 8 S. Rg. 20 E.

Chains.	↗ The reestab. $\frac{1}{4}$ sec. cor. of sec. 30, T. 8 S. R. 20 E., hereinbefore described. Thence I run,
39.47	continuing measurement, North, on true line bet. secs. 25 and 30, on $N\frac{1}{2}$ mile north
42.00	Ridge bears N. E. and S. W. descend.
48.00	Cross wash 12 lks. wide course N. E. ascend.
61.00	Ridge bears N. E. and S. W. descend.
74.57	Cross wash 40 lks. wide course N. E.
77.09	Set a granite stone 18 x 8 x 5 ins. 12 ins. in the ground
	for cor. of secs. 24 and 25, <sup>T. 8 S. R. 20 E.</sup> marked with 2 notches on S.
	and 4 notches on N. edges; and raise a mound of stone. 2
79.41	ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	<small>The reestab. cor. of secs. 29 and 30, hereinbefore described.</small>
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, oak and mesquite.

October 10, 1913.

## Partial Subdivision of Tp. 8 S. Rg. 20 E.

Chains

Survey commenced October 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.

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

At the cor. of secs. 1, 2, 35 and 36 Tps. 8 and 9 S. Rgs. 20 E., latitude <sup>RECENTLY ESTAB. BY ME. AS DESCRIBED IN BOOK "A"</sup>  $32^{\circ} 41'$  N.; longitude  $110^{\circ} 13' 26''$  W. I set off  $32^{\circ} 41'$  N. on the lat. arc;  $6^{\circ} 40\frac{1}{2}'$  S. on the decl. arc; and, at 4h. 00m. p.m., l.m.t., determine with the solar a meridian, at the south end of the meridian determined by Polaris observation October 3, 1913, and mark a point thereof on the stone already set 5 chs. N. of my station, this mark falls 0.3 ins. W. of the meridian determined by the Polaris observation.

October 10, 1913.

October 11; <sup>1913;</sup> At 8h. 00m., a.m., I set off  $32^{\circ} 41'$  N. on the lat. arc;  $6^{\circ} 55\frac{1}{2}'$  S. on the decl. arc; and determine with the solar a meridian at the south end of the meridian determined by observation on Polaris October 3, 1913, and mark a point thereof on the stone previously set.

This mark falls 0.3 ins. E. of the meridian determined by observations on Polaris.

The solar apparatus by p.m., and a.m., observations defines positions for meridians, respectively about  $0' 16''$  W. and E. of the meridian determined by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. 05m. a.m., l.m.t., is  $N. 13^{\circ} 30' W.$  the angle thus determined gives the mag. decl.  $13^{\circ} 30' E.$

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, recently estab. by me, as desc. in Book "A", I run  $N. 0^{\circ} 03' E.$  bet. secs. 35 and 36  
Over rolling land.

8.82 Cross road bears N. E. and S. W.  
24.10 Cross wash 30 lks. wide course N. 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  $\frac{1}{4}$ S35 in W. S36 in E. and 1913 in S. half; and 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. 25, 26, 35 and 36, marked on brass cap.

T8SR20E in N. and  
1913 in S. half;  
S26 in N. W.  
S25 in N. E.  
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,  
Soil, rocky; 4th. rate.  
No timber.

40.00 East on a random line bet. secs. 25 and 36.  
Set temp.  $\frac{1}{4}$  sec. cor.,

## Partial Subdivision of Tp. 8 S. Rg. 20 E.

Chains.	
80.69	Intersect E. bdy. of Tp., at the cor. of secs. 25 and 36, recently reestab. by me as hereinbefore described, Thence I run, West, on a true line, bet. secs. 25 and 36. Descend through scattering brush.
8.89	Cross wash 30 lks. wide course N. E. ascend.
13.69	Ridge bears N. E. and S. W. descend.
18.70	Cross wash 20 lks. wide course N. E. ascend.
32.75	Ridge bears N. E. and S. W. descend.
40.69	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 $\frac{1}{4}$ S25 in N. and S36 1913 in S. half; from which A mesquite 6 ins. diam., bears S. $12^{\circ}$ W. 160 lks. dist., marked $\frac{1}{4}$ S36BT. No other trees available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
52.20	Cross wash 20 lks. wide course N. E. ascend.
62.75	Ridge bears N. E. and S. W. descend.
65.90	Cross wash 15 lks. wide course N. E. ascend.
76.00	Ridge bears N. E. and S. W. descend gradually.
80.69	Cor. of secs. 25, 26, 35 and 36, hereinbefore described. Land, mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, mesquite and oak. Note: At this cor. I set off $7^{\circ}00'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ}41\frac{1}{2}'$ N.
	N. $0^{\circ}03'$ E. bet. secs. 25 and 26. Descending through scattering brush.
16.10	Cross wash 18 lks. wide course N. E. ascend.
22.00	Ridge bears N. E. and S. W. descend.
38.10	Cross wash 14 lks. wide course N. E. 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 $\frac{1}{4}$ S26 in W. S25 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
48.00	Ridge bears N. E. and S. W. descend.
60.80	Cross wash 15 lks. wide course N. E. ascend.
67.50	Ridge bears N. E. and S. W. descend.
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 T8SR20E in N. and 1913 in S. 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, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, mesquite, catclaw and oak.
40.00	East on a random line bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor.
81.18	Intersect east bdy. of Tp. 5 lks. S. of the cor. of secs. 24 and 25, recently reestab. by me as hereinbefore described. Thence I run S. $89^{\circ}58'$ W. on a true line bet. secs. 24 and 25. Ascend steep S. E. slope through scattering brush.
10.40	Ridge bears N. E. and S. W. descend.
31.70	Cross wash 30 lks. wide course N. E. ascend.
41.18	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 $\frac{1}{4}$ S24 in N. and S25 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

Partial Subdivision of Tp. 8 S. Rg. 20 E.

Chains.  
43.50 Ridge bears N. E. and S. W. descend.  
54.70 Cross wash 20 lks. wide course N. E.  
75.20 Ridge bears N. E. and S. W. descend.  
81.18 The cor. of secs. 23, 24, 25, and 26. ~~hereinbefore described~~  
Land, mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, oak, mesquite and catclaw.

October 11, 1913.

1913.

October 12~~X~~ At 8h. 00m. a.m., l.m.t., I set off  $32^{\circ} 41'$  N. on the lat. arc;  $7^{\circ} 18'$  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., recently estab. by me, ~~as described~~ in Book "A." Thence I run, N.  $0^{\circ} 02'$  E. bet. secs. 34 and 35.  
Descend along N. E. slope of canyon, through scattering brush.  
5.50 Cross wash in bottom of canyon, 80 lks. wide course N. W. and along rough W. slope of canyon.  
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  $\frac{1}{4}$  S34 in W. S35 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
47.40 Cross same wash 80 lks. wide course N. E. and ascend along S. E. slope of canyon.  
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  
T8SR20E in N. and  
1913 in S. 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, mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, mesquite, catclaw and oak.

East on a random line bet. secs. 26 and 35  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.96 Intersect N. and S. line 5 lks. S. of the cor. of secs. 25, 26, 35 and 36. ~~hereinbefore described~~  
Thence I run  
S.  $89^{\circ} 58'$  W. on a true line bet. secs. 26 and 35.  
Descending through scattering brush..  
11.50 Cross wash 20 lks. wide course N. E. ascend.  
20.00 Ridge bears N. E. and S. W. descend.  
33.90 Cross wash 15 lks. wide course N. E. ascend.  
39.98 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  $\frac{1}{4}$  S26 in N. and S35 1913 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
41.00 Ridge bears N. E. and S. W.; descend.  
71.90 Cross wash in bottom of canyon, 80 lks. wide course N. E. ascend.  
79.96 The cor. of secs. 26, 27, 34 and 35. ~~hereinbefore described~~  
Land, mountainous.  
Soil, rocky; 4th. rate.  
No timber.  
Undergrowth, oak, catclaw and mesquite.

Note: At this cor. I set off  $7^{\circ} 22\frac{1}{2}'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $32^{\circ} 41\frac{1}{2}'$  N.

Partial Subdivision of Tp. 8 S. Rg. 20 E.

Chains.	N. 0° 02' E. bet. secs. 26 and 27. Ascending along rough E. slope of canyon through scattering brush.
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 $\frac{1}{4}$ S27 in W. S26 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
45.60	Top ridge bears N. E. and S. W. descend.
67.90	Cross wash in deep canyon, 45 lks. wide course E. ascend.
77.20	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for witness cor. of secs. 22, 23, 26 and 27, marked on brass cap WC S. of center; T8SR20E in N. and 1913 in S. half; S22 in N. W. S23 in N. E. S26 in S. E. and S27 in S. W. quadrant; from which A pinon 9 ins. diam., bears N. 46° W. 119 lks. dist., marked WCT8SR20ES27BT. A pinon 8 ins. diam., bears S. 82° E. 140 lks. dist., marked WCT8SR20ES26BT.
80.00	No other trees available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. True point for cor. of secs. 22, 23, 26 and 27 falls on precipitous N. slope where it is impossible to set post securely. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak, mesquite and catclaw.
	October 12, 1913.
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	October 14: 1913. N. 89° 58' E. on a random line bet. secs. 23 and 26, from true point for cor.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 5 lks. S. of the cor. of secs. 23, 24, 25, and 26. <del>hereinbefore</del> described Thence I run S. 89° 56' W. on a true line bet. secs. 23 and 26. Descending through scattering brush.
0.50	Cross wash 15 lks. wide course N. E. ascend.
8.50	Ridge bears N. E. and S. W. descend.
19.85	Cross wash 35 lks. wide course N. ascend.
31.00	Ridge bears N. and S. descend.
38.50	Cross wash 15 lks. wide course S. E. ascend.
39.95	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, $\frac{1}{4}$ S23 in N. and S. 26 1913 in S. half; from which A pinon 7 ins. diam., bears N. 54° W. 49 lks. dist., marked $\frac{1}{4}$ S23BT A juniper 14 ins. diam., bears S. 74° W. 36 lks. dist., marked $\frac{1}{4}$ S26BT.
40.60	Ridge bears N. and S. descend.
48.30	Wash 125 lks. wide course N. ascend along S. slope.
65.00	Descend along S. slope.
79.10	Cross wash 35 lks. wide course S. E. ascend.
79.90	The true point for cor. of secs. 22, 23, 26 and 27. <del>hereinbefore</del> described Land, mountainous. Soil, rocky; 4th. rate. Timber scattering pinon, oak and juniper. Undergrowth, oak, mesquite and catclaw.
	October 14, 1913.



## Partial Subdivision of Tp. 8 S. Rg. 20 E.

Chains. October 13, 1913: At 8h. 00m. a.m., l.m.t., I set off  $32^{\circ} 41'$  N. on the lat. arc;  $7^{\circ} 40\frac{1}{2}'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, '33 and 34 on the S. bdy. of the Tp. recently established by me, as described in Book "A." Thence I run N.  $0^{\circ} 02'$  E. bet. secs. 33 and 34. Descend through scattering brush.

0.20 Cross wash 12 lks. wide course N. E. ascend.

20.00 Ridge bears N. W. and S. E. descend.

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  $\frac{1}{4}$ S33 in W. S34 in E. and 1913 in S. half; and 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. 27, 28, 33 and 34, marked on brass cap

T8SR20ES in N. and 1913 in S. half;  
S28 in N. W.  
S27 in N. E.  
S34 in S. E. and S33 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. Soil, rocky; 4th. rate. No timber. Undergrowth, oak and mesquite.

Note: At this cor. I set off  $7^{\circ} 45'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $32^{\circ} 41\frac{1}{2}'$  N.

East on a random line bet. secs. 27 and 34.

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

80.10 Intersect N. and S. line 7 lks. S. of the cor. of secs. 26, 27, 34 and 35 hereinbefore described

Thence I run  $S89^{\circ} 57'$  W. on a true line bet. secs. 27 and 34. Ascend through scattering brush.

7.00 Ridge bears N. and S. descend.

26.10 Cross wash 20 lks. wide course N. E. ascend.

32.00 Ridge bears N. and S. descend.

36.50 Cross wash 40 lks. wide course N. E. ascend.

40.05 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  $\frac{1}{4}$ S27 in N. and S34 1913 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.

44.45 Ridge bears N. and S. thence along S. slope of deep rocky canyon.

80.10 The cor. of secs. 27, 28, 33 and 34 hereinbefore described Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak and mesquite.

October 13, 1913.

1913,

October 14: At 8h. 00m. a.m., l.m.t., I set off  $32^{\circ} 41\frac{1}{2}'$  N. on the lat. arc;  $8^{\circ} 03'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34 hereinbefore described

Thence I run N.  $0^{\circ} 02'$  E. bet. secs. 27 and 28. Ascend through scattering brush.

12.00 Over nearly level land.

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  $\frac{1}{4}$ S28 in W. S27 in E. and 1913 in S. half; and raise a mound of stone

## Partial subdivision of Tp. 8 S. Rg. 20 E.

- Chains. 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 60.00 Descend rough N. slope.  
 67.40 Cross wash 30 lks. wide course N. E. ascend.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked on brass cap  
 T8SR20E in N. and  
 1913 in S. half;  
 S21 in N. W.  
 S22 in N. E.  
 S27 in S. E. and  
 S28 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, and level.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, mesquite and oak.
- 
- 40.00 N.  $89^{\circ} 57'$  E. on a random line bet. secs. 22 and 27  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect N. and S. line 9 lks. N. of the true point for cor. of secs. 22, 23, 26 and 27. ~~hereinbefore described~~  
 Thence I run  
 N.  $89^{\circ} 59'$  W. on a true line bet. secs. 22 and 27.  
 Ascend along S slope of ridge, through scattering brush.  
 30.50 Ridge bears N. E. and S. W. descend N. W. slope.  
 40.02 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  $\frac{1}{4}$  S22 in N. and S27 1913 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.  
 60.10 Cross wash 20 lks. wide course N. E. ascend S. E. slope.  
 80.04 The cor. of secs. 21, 22, 27 and 28. ~~hereinbefore described~~  
 Land, mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, oak and mesquite.
- NOTE:* ~~October 14~~ At this cor. I set off  $8^{\circ} 07\frac{1}{2}'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $32^{\circ} 42\frac{1}{2}'$  N.

October 14, 1913:

## GENERAL DESCRIPTION.

This township is rough and mountainous, and the soil is generally 4th. rate. there is no timber or water in the township. There are no settlers in the township.

*John A. Hesse*  
 U. S. Surveyor.

For FINAL OATH OF UNITED STATES SURVEYOR.  
See Book " ZB " Group 18

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 accord-  
ance 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 *July 21*, 191 4

The foregoing field notes of the survey of part of the  
Subdivision lines of and  
Resurvey of a part of the  
East boundary of  
Township 8 South Range 20 East of the  
Gila and Salt River Base and Meridian Arizona

executed by John F. Hesse, U.S. Surveyor  
under his special instructions dated August 25, 191 0, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

*Mark J. 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.

U. S. Surveyor General.