

*arrived Jan 7/10*

BOOK 2137

*2137*

*accepted Sept. letter  
2. Jan. 22/1910.*

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of Tp. 7 N. Rg. 17 W.

2137

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Of the Gila and Salt River Meridian,

Territory of Arizona.

AS SURVEYED BY

John F. Hesse, United States Deputy Surveyor,

Under his Contract No. 150, dated October 10, 1908., 19

Survey commenced September 15, 1909, 19

Survey completed September 23, 1909., 19

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(1A)

BOOK 2137

NAMES AND DUTIES OF ASSISTANTS.

Fred Kest Chairman

A. N. Oliver Chairman

Chas Kaufman Flagman.

BOOK 2137

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BOOK 2137

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred Kest and A. N. Oliver

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 subdivision lines of Tp. 7 N. Rg. 17 W.

Fred Kest, Chairman.

A. N. Oliver, Chairman.

Subscribed and sworn to before me this 15th. }  
day of September, 1909, 19



John P. Hesse  
U.S. Dep. Surveyor

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, Chas Kaufman, 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 subdivision lines of Tp. 7 N. Rg. 17 W.

Chas Kaufman, Flagman.

Subscribed and sworn to before me this 15th. }  
day of September, 1909, 19



John P. Hesse  
U.S. Dep. Surveyor

No notary available without loss of time and great expense.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains. Survey commenced September 15, 1909, and executed with a Young and Sons light mountain transit No. 7532, 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 examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

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 the cor. of secs. 35 and 36 on the S. bdy. of the Tp. latitude  $33^{\circ} 53' 53''$  N.; longitude  $113^{\circ} 59' 27''$  W.; I set off  $33^{\circ} 54'$  N. on the lat. arc;  $3^{\circ} 00\frac{1}{2}'$  N. on the decl. arc; and, at 4h 30m. 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 7h. 55m. p. m. by my watch, which has correct l. m. t. I observe Polaris at eastern 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.

September 15, 1909.

September 16: At 7 a.m., l.m.t., I lay off the azimuth of Polaris,  $1^{\circ} 25'$  to the west, and mark the meridian thus determined, by cutting a small groove in the stone set September 15, on which the meridian coincides with the mark determined by the solar.

At 7h. 30m. a. m., l.m.t., I set off  $33^{\circ} 54'$  N. on the lat. arc:  $2^{\circ} 46'$  N. 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 coincides with the meridian established by the Polaris observation

The solar apparatus, by p.m., and a.m. observations, defines positions for meridians which coincide with 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 7h 45m. a.m., is N.  $14^{\circ} 50'$  W.: the angle thus determined gives the mag. decl.  $14^{\circ} 50'$  E.

From the cor. of secs. 35 and 36 on the S, bdy. of the Tp. previously described, I now run

N.  $0^{\circ} 01'$  W. bet. secs. 35 and 36

Over level land, through dense brush.

40.00 Set a porphyry stone 18 x 8 x 8 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; from which

A paloverde 6 ins. diam., bears S.  $13^{\circ}$  E. 184 lks, dist. marked  $\frac{1}{4}$ S36BT.

A paloverde 6 ins. diam., bears S.  $35^{\circ}$  W. 225 lks. dist., marked  $\frac{1}{4}$ S35BT.

69.90 Cross wash 25 lks. wide course N. W.

80.00 Set a malpais stone 20 x 8 x 6 ins. 15 ins. in the ground for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S. and E. edges; from which

An ironwood 7 ins. diam., bears N.  $5^{\circ}$  W. 144 lks. dist., marked T7NR17W826BT.

No other trees available. Dig pits 18 x 18 x 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land, level.

Soil, sandy and gravelly, 3rd. rate.

No timber.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

Undergrowth, greasewood, ironwood, paloverde and cacti  
Land covered with dense undergrowth 80.00 chs.

- 
- 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. 7 lks. S. of the cor. of secs.  
25, 30, 31 and 36.  
Thence I run  
S  $89^{\circ} 57'$  W. on a true line bet. secs. 25 and 36.  
Ascend rocky E. slope.  
2.00 Ridge bears N. and S. and descend.  
13.50 Cross wash 10 lks. wide course S. W.  
35.90 Cross wash 10 lks. wide course S. W.  
40.01 Set a malpais 18 x 8 x 6 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 impracti-  
cable.  
69.00 Over level land, through dense brush.  
69.97 Cross Arizona & California R. R. bears N. and S.  
70.84 Cross under telegraph line bears N. and S.  
76.70 Cross road bears N. W. and S. E.  
80.02 The cor. of secs. 25, 26, 35 and 36.  
Land, level and mountainous.  
Soil, sandy, gravelly and stony, 3rd. and 4th. rate.  
Timber, none.  
Undergrowth, Paloverde, greasewood, mesquite and cacti.  
Mountainous land and land covered with dense undergrowth  
80.02 chs.
- 
- N.  $0^{\circ} 01'$  W. bet. secs. 25 and 26.  
Over level land, through dense brush.  
6.00 Cross road bears N. W. and S. E.  
12.73 Telegraph line bears N. W. and S. E.  
13.86 Cross Arizona and California R. R. N. W. and S. E.  
27.75 Cross wash 30 lks. wide course W.  
40.00 Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits 18 x 18 x  
12 ins. N. and S. of stone 3 ft. dist., and raise a mound  
of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor.  
50.00 Ascend rocky S. slope.  
60.00 Ridge E. and W. and descend.  
68.50 Cross wash 20 lks. wide course W. and over level land.  
77.10 Cross road bears E. and W.  
80.00 Point for cor. Of secs. 23, 24, 25 and 26 falls in wash  
40 lks. wide course N. W. so at  
79.00 Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground  
for witness cor. of secs. 23, 24, 25 and 26, marked WC  
on N. E. face, with 2 notches on S. and 1 notch on E.  
edges; from which  
A paloverde 10 ins. diam. bears N.  $13\frac{1}{2}^{\circ}$  W. 153  
lks. dist., marked WCT7NR17WS24BT  
An ironwood 6 ins. diam., bears S.  $83\frac{1}{4}^{\circ}$  W. 240 lks.  
dist., marked WCT7NR17WS26BT  
No other trees available. Dig pits 18 x 18 x 12 ins.  
in each sec. N. W. and S. E. of cor.  $5\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
Land, level and mountainous.  
Soil, sandy, gravelly and rocky; 3rd. and 4th. rate.  
Timber, Ironwood and Mesquite.  
Underbrush, ironwood, greasewood, paloverde and mesquite.  
Mountainous land and land covered with dense undergrowth  
80.00 chs.
- 
- N.  $89^{\circ} 57'$  E. on a random line bet. secs. 24 and 25.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.

## Subdivision of Tp. 7 N., Rg. 17 W.

Chains.	
80.06	Intersect E. bdy. of Tp. 7 lks. N. of cor. of secs. 19, 24, 25 and 30. Thence I run West on a true line bet. secs. 24 and 25. Descending rough rocky S. W. slope.
17.00	Cross wash 15 lks. wide course N. W. and over rocky point.
18.50	Cross same wash course S. W. and along E. slope of mountains.
40.03	Set a malpais stone 18 x 8 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.
46.00	Change and ascend N. E. slope.
51.00	Ridge bears N. W. and S. E. and descend.
80.06	The true point for cor. of secs. 23, 24, 25 and 26. Land, Rough and mountainous. Soil, rocky: 4th. rate. Timber, Palo verde. Undergrowth, Greasewood, paloverde and mesquite. Mountainous land, 80.06 chs. At this cor. I set off $2^{\circ}41'$ N. on the decl. arc; and observe the sun on the meridian at noon September 16; the resulting lat. is $33^{\circ}55\frac{1}{2}'$ N.
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	NO $^{\circ}$ 01' W. bet. secs. 23 and 24, from true point for cor. Ascending through dense brush.
4.50	Along rough general W. slope of mountains.
6.00	Cross drain 5 lks. wide course W.
21.15	Cross wash 10 lks. wide course W. Along east slope.
40.00	Set a malpais stone 18 x 16 x 10 ins. 12 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.
67.00	Ascend steep rough S. slope of mountain over loose rocks.
80.00	Set a malpais stone 20 x 10 x 6 ins. 15 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges; 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, Greasewood, paloverde and mesquite. Mountainous land and land covered with dense undergrowth 80.00 chs.
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	East on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect E. bdy. of Tp. 5 lks. N. of the cor. of secs. 13, 18, 19 and 24. Thence I run N. $89^{\circ}58'$ W. on a true line bet. secs. 13 and 24. Descend rough rocky S. W. slope of mountain.
7.75	Cross wash 20 lks. wide course N. W.
12.50	Cross wash 15 lks. wide course N. and ascend.
40.01	Set a malpais stone 18 x 10 x 10 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 This cor. sits on top of ridge bears N. W. and S. E. Descend.
49.00	Cross drain 10 lks. wide course S. W. and ascend.
55.00	Ridge bears N. and S.
72.50	Cross wash 10 lks. wide course S. W. and ascend.
80.02	The cor. of secs. 13, 14, 23 and 24. Land, rough and mountainous.

Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

Soil, rocky; 4th. rate.  
No timber.  
Mountainous land 80.02 chs.

N. 0° 01' W. bet. secs. 13 and 14.

Ascend over loose rocks.

2.00 Ridge bears E. and W. and descend N. slope.  
19.50 Cross wash 30 lks. wide course S. W. and along rough general W. slope of mountains.

37.50 Cross wash 20 lks. wide course W.

40.00 Set a malpais 18 x 8 x 6 ins. 12 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.

59.50 Cross wash 30 lks. wide course N. W.

80.00 Set a malpais stone 18 x 10 x 4 ins. 12 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on E. edges; from which

An ironwood 8 ins. diam., bears N.  $2\frac{1}{2}$ ° E. 87 lks. dist., marked T&NR17WS12BT.

An ironwood 6 ins. diam., bears S.  $41\frac{1}{4}$ ° E. 102 lks. dist., marked T7NR17WS13BT.

A paloverde 6 ins. diam., bears S.  $69\frac{1}{4}$ ° W. 43 lks. dist., marked T7NR17WS14BT.

An ironwood 6 ins. diam., bears N.  $22\frac{1}{2}$ ° W. 85 lks. dist., marked T7NR17WS11BT.

Land, mountainous.

Soil, rocky, 4th. rate.

Timber, paloverde and Ironwood.

Undergrowth, paloverde, greasewood and mesquite.

Mountainous land 80.00 chs.

S. 89° 58' E. on a random line bet. secs. 12 and 13

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

79.98 Intersect E. bdy. of Tp. 7 lks. S. of the cor. of secs. 7, 12, 13 and 18.

Thence I run

S. 89° 59' W. bet. secs. 12 and 13 on a true line.

Over rolling mountainous land through dense brush.

5.00 Cross drain 5 lks. wide course N.

11.00 Cross wash 20 lks. wide course N. and ascend E. slope.

19.00 Top of peak and descend.

32.00 Ascend E. slope.

37.50 Top peak and descend.

39.99 Set a malpais stone 20 x 10 x 8 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.

Thence over rough broken land covered with loose rocks and dense brush gradually descending.

58.00 Cross wash 20 lks. wide course N. W.

71.50 Cross wash 20 lks. wide course N. W.

79.98 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous.

Soil, rocky, 4th. rate.

Timber, paloverde.

Undergrowth, greasewood, mesquite and paloverde.

Mountainous land and land covered with dense undergrowth 79.98 chs.

September 16, 1909.



## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

	September 17: At 8h. 00m. a.m., l.m.t., I set off $33^{\circ} 57' \frac{1}{2}''$ N. on the lat. arc; $2^{\circ} 24' \frac{1}{2}''$ N. on the decl. arc: and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.	
	Thence I run	
	N. $0^{\circ} 01'$ W. bet. secs. 11 and 12.	
	Over rough broken land.	
1.00	Cross wash 10 lks. wide course S. W.	
13.75	Cross road bears N. E. and S. W.	
27.00	Cross wash 100 lks. wide course W.	
40.00	Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A paloverde 6 ins. diam., bears $S. 14\frac{1}{2}^{\circ} E. 69$ lks. dist., marked $\frac{1}{4}$ S12BT.	
	No other tree available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. pits impracticable.	
44.00	Cross wash 100 lks. wide course N. W. and over level land through dense brush.	
55.00	Cross wash 20 lks. wide course S. W.	
77.30	Cross road bears N. E. and S. W.	
80.00	Set a malpais 18 x 10 x 6 ins. 12 ins. in the ground for cor. of secs. 1, 2, 11 and 12, marked with 5 notches on S. and 1 notch on E. edges; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.	
	Land, mountainous and level.	
	Soil, sandy and rocky; 2nd. and 4th. rate.	
	No timber.	
	Undergrowth, greasewood, paloverde and mesquite.	
	Mountainous land and land covered with dense undergrowth 80.00 chs.	
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	N. $89^{\circ} 59'$ E. on a random line bet. secs. 1 and 12.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.90	Intersect E. bdy. of Tp. 7 lks. N. of the cor. of secs. 1, 6, 7 and 12.	
	Thence I run	
	N. $89^{\circ} 58'$ W, on a true line bet. secs. 1 and 12.	
	Over level land, through dense brush.	
5.10	Cross wash 20 lks. wide course S.	
15.25	Cross wash 20 lks. wide course S.	
25.00	Cross road bears N. E. and S.W.	
39.95	Set a malpais stone 18 x 10 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.	
77.42	Cross telephone line bears N. E. and S. W.	
78.52	Cross road bears N.E. and S.W.	
79.90	The cor. of secs. 1, 2, 11 and 12.	
	Land, level.	
	Soil, sandy, 2nd. rate.	
	No timber.	
	Undergrowth, Mesquite, greasewood and paloverde.	
	Land covered with dense undergrowth 79.90 chs.	
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	N. $0^{\circ} 01'$ W. on a random line bet. secs. 1 and 2.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.06	Intersect N. bdy. of Tp. 2 lks. E. of the cor. of secs. 1, 2, 35 and 36.	
	Thence I run	
	S. $0^{\circ} 02'$ E. on a true line bet. secs. 1 and 2.	
	Over rolling land through dense brush.	
40.06	Set a malpais stone 20 x 10 x 8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist. and raise a mound	

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
50.00	Cross wash 30 lks. wide course S. W.
68.75	Cross Arizona & Swansea R. R. grade, bears N. E. and S.W.
80.06	The cor. of secs. 1, 2, 11 and 12. Land rolling. Soil, sandy and gravelly; 1st. and 3rd. rate. No timber. Undergrowth, greasewood, paloverde and mesquite. Land covered with dense undergrowth 80.06 chs.
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	N. $0^{\circ} 01'$ W. bet. secs. 34 and 35.
	Over level land through dense brush.
0.40	cross wash 20 lks. wide course N. E.
12.60	Cross wash 20 lks. wide course N. E.
40.00	Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. September 17: At this cor. I set off $2^{\circ} 18'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat is $33^{\circ} 54\frac{1}{2}'$ N.
50.00	Cross road bears N.E. and S.W.
56.25	Cross wash 20 lks. wide course N.E.
80.00	Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for cor. of secs. 26, 27, 34 and 35, marked with 1 notch on S. and 2 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 2nd. and 3rd. rate. No timber. Undergrowth, Paloverede, mesquite, and greasewood. Land covered with dense undergrowth 80.00 chs.
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	East on a random line bet. secs. 26 and 35.
40.00	Set. temp. $\frac{1}{4}$ sec. cor.
79.74	Intersect N. and S. line 10 lks. S. of the cor. of secs. 25, 26, 35 and 36. Thence I run
	S. $89^{\circ} 56'$ W. on a true line bet. secs. 26 and 35.
39.87	Set a granite 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A willow 10 ins. diam., bears S. $62\frac{1}{2}^{\circ}$ W. 146 lks. dist.; marked $\frac{1}{4}$ 35BT. An ironwood 12 ins. diam.; bears N. $59\frac{1}{2}^{\circ}$ W. 165 lks. dist. marked $\frac{1}{4}$ 36BT.
41.74	Cross wash 50 lks. wide course N.
45.75	Cross wash 100 lks. wide course N.
49.75	Cross wash 40 lks. wide course N.
52.75	Cross wash 20 lks. wide course N.
75.14	Cross road bears N. and S.
79.74	The cor. of secs. 26, 27, 34 and 35. Land, level. Soil, sandy and gravelly; 2nd. and 3rd. rate. No timber. Undergrowth, Greasewood, mesquite, ironwood and paloverde Land covered with dense undergrowth 79.74 chs.
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	N. $0^{\circ} 01'$ W. bet. secs. 26 and 27.
	Over level land, through dense brush.
11.61	Cross road bears N.W. and S.E.

## Subdivision of Tp 7 N. Rg. 17 W.

Chains.	
18.20	Cross wash 25 lks. wide course N.E.
40.00	Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
57.00	Cross wash 100 lks. wide course N.W.
60.66	Cross road bears N. E. and S. W.
70.00	Cross road bears N.E. and S.W.
80.00	Set a limestone 18 x 6 x 6 ins. 12 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked with 2 notches on S. and E. edges; from which A mesquite 10 ins. diam., bears N. $40\frac{1}{2}^{\circ}$ E. 90 lks. dist., marked T7NR17WS23BT A mesquite 7 ins. diam., bears S. $13^{\circ}$ E. 199 lks. dist., marked T7NR17WS26BT A mesquite 10 ins. diam., bears S. $73^{\circ}$ W. 78 lks. dist., marked T7NR17WS27BT. A catclaw 7 ins. diam., bears N. $10^{\circ}$ W. 132 lks. dist., marked T7NR17WS22BT.
	Land, level. Soil, sandy, 2nd. rate. Timber, mesquite and ironwood. Undergrowth, greasewood, mesquite and catclaw. Land covered with dense undergrowth 80.00 chs.
40.00	N. $89^{\circ} 56'$ E. on a random line bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line 7 lks. N. of the true point for cor. of secs. 23, 24, 25 and 26 Thence I run from true point for cor. S. $89^{\circ} 59'$ W. on a true line bet. secs. 23 and 26. Over level land through dense brush.
1.40	Set a malpais stone 18 x 6 x 6 ins. 12 ins. in the ground for witness cor. to cor. of secs. 25, 26, 23 and 24, marked W C on N. E. with 2 notches on S. and 1 notch on E. edges; from which A paloverde 10 ins. diam., bears N. $74^{\circ}$ E. 183 lks. dist., marked WCT7NR17WS 24BT. An ironwood 6 ins. diam., bears S. $43^{\circ}$ W. 146 lks. dist., marked WCT7NR17WS26BT. A paloverde 8 ins. diam., bears N. $33^{\circ}$ W. 212 lks. dist., marked WCT7NR17WS23BT. No other tree available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
27.80	Cross wash 100 lks. wide course S.W.
29.30	Enter wash 30 lks. wide, from N. E. and along same to
33.80	Leave wash bears S.W.
39.90	Set a malpais stone 18 x 8 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.
42.07	Cross Arizona and California R. R. bears N.W.
42.80	Telegraph line bears N. W. and S. E.
44.16	Cross road bears N.W. and S.E.
61.30	Cross wash 30 lks. wide course N.W.
64.90	Cross road bears N.W. and S.E.
75.30	Cross wash 100 lks. wide course N. W.
79.80	The cor. of secs. 22, 23, 26 and 27. Land, level. Soil sandy and gravelly; 2nd. and 3rd. rate. Timber, mesquite and paloverde. Undergrowth, mesquite, greasewood and paloverde. Land covered with dense undergrowth 79.80 chs.
	N. $0^{\circ} 01'$ W. bet, secs. 22 and 23. Over level land through dense brush.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	
4.00	Cross wash 80 lks. wide course N. E.
10.40	Cross wash 80 lks. wide course N. E.
14.48	A point from which R. R. water tank in Bouse bears N. 45° E. Brayton Commercial Co. store bears N. 52° E. N. W. cor. of R. R. depot bears N. 54½° E. Chimney on Schoolhouse bears N. 17½° E. Flagstaff on Burke Hotel bears N. 60° E.
19.20	Cross road bears E. and W.
27.59	Chimney on pump house bears N. 16° W.
29.90	Chimney on pump house bears N. 49° W.
31.28	Cross road bears E. and W.
39.20	Cross road bears E. and W.
40.00	Set a malpais stone 18 x 10 x 10 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which A mesquite 6 ins. diam., bears N. 88° E. 239 lks. dist., marked ¼ S23BT A mesquite 10 ins. diam., bears S. 44½° W. 244 lks. dist., marked ¼ S22BT. From this cor. R. R. water tank in Bouse bears S. 66° E. Brayton Commercial Co. store bears S. 72¾° E. N. W. cor. of R. R. depot bears S. 60° E. Chimney on school house bears S. 6° E. Flagstaff on Burke Hotel bears S. 73° E.
40.32	Telephone line bears N. W. and S. E.
57.15	Cross road bears N.W. and S.E.
58.15	Telegraph line bears N.W. and S.E.
59.27	Cross Arizona and California R. R. under bridge 142, bears N.W. and S.E.
59.42	Cross wash 100 lks. wide course W.
70.45	Cross Arizona and Swansea R. R. grade bears N.W. and S.E.
80.00	Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked with 3 notches S. and 2 notches on E. edges; Dig pits 18 x 18 x 12 ins. in each sec., 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy; 2nd. rate. Timber, mesquite and Ironwood. Undergrowth, mesquite, paloverde and greasewood. Land covered with dense undergrowth 80.00 chs.
	September 17, 1909.
	September 18: At 7h. 00m. a.m., l.m.t., I set off 33° 56½' N. on the lat. arc; 2° 01½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23 Thence I run N. 89° 59' E. on a random line bet. secs. 14 and 23
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. and S. line 12 lks. N. of the cor. of secs. 13, 14, 23 and 24. Thence I run N. 89° 56' W. on a true line bet. secs. 14 and 23 Ascend rough rocky slope of mountain.
8.00	Ridge bears N. and S. about 3 chs to top of peak, and descend rough rocky W. slope.
35.00	Over nearly level land through dense brush.
40.04	Set a malpais stone 20 x 14 x 10 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.
49.30	Cross wash 20 lks. wide course S. W.
50.82	Telephone line bears N. E. and S. W.
62.78	Cross road bears N.E. and S.W.
66.67	Cross road bears N.E. and S.W.
80.08	The cor. of secs. 14, 15, 22 and 23.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

	Land, mountainous and level. Soil, rocky, gravelly and sandy; 2nd. and 4th. rate. No timber. Undergrowth, mesquite, greasewood and paloverde. Mountainous land and land covered with dense undergrowth 80.08 chs.
	N. 0° 01' W. bet. secs. 14 and 15.
17.80	Over level land through dense undergrowth.
27.00	Cross wash 10 lks. wide course W.
31.80	Cross wash 20 lks. wide course W.
40.00	Cross wash 20 lks. wide course W. Set a malpais stone 18 x 8 x 6 ins. 12 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 imprac- ticable.
48.00	Cross wash 7 lks. wide course N.W.
54.40	Cross wash 10 lks. wide course N.W.
65.00	Cross wash 10 lks. wide course N.W.
79.05	Cross Arizona and Swansea R. R. grade bears N. E. and S.W.
80.00	Set a malpais stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edges.; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land, level. Soil, sandy and gravelly; 2nd. and 3rd. rate. No timber. Underbrush, mesquite, paloverde, and greasewood. Land covered with dense undergrowth. 80.00 chs.
	S. 89° 56' E. on a random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 14 lks. S. of the cor. of secs. 11, 12, 13 and 14 Thence I run S. 89° 58' W. on a true line bet. secs. 11 and 14.
2.00	Over broken rough land gradually descending.
11.90	Cross wash 20 lks. wide course S. W.
31.85	Cross road bears N. E. and S. W.
32.29	Cross road bears N.E. and S.W. over nearly level land through dense brush.
32.29	Cross wash 10 lks. wide course S.W.
39.85.	Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. Face; from which A paloverde 6 ins. diam. bears S. $43\frac{1}{2}$ ° E. 197 lks. dist. marked $\frac{1}{4}$ S14BT.
	No other tree available. Raise a mound of stone 2ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.34	Telephone line bears N. E. and S.W.
55.90	Cross wash 10 lks. wide course S.W.
79.12	Cross Arizona and Swansea R.R. grade bears N.E. and S.W.
79.90	The cor. of secs. 10, 11, 14 and 15. Land, mountainous and level. Soil, Rocky, sandy and gravelly; 2nd. 3rd. and 4th. rate. Timber, Ironwood and paloverde. Undergrowth, greasewood, mesquite and paloverde. Mountainous land, and land covered with dense undergrowth 79.90 chs.
	N. 0° 01' W. bet. secs. 10 and 11 Over level land, through dense brush.

## Subdivision of Tp. 7 N. Rg. 17 W.

10.80	Cross wash 30 lks. wide course W.
13.00	Cross wash 10 lks. wide course W.
40.00	Set a malpais stone 16 x 8 x 6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.
50.00	Cross wash 100 lks. wide course W.
78.20	Cross wash 20 lks. wide course W.
80.00	Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor., Land, level. Soil, sandy and gravelly; 2nd. and 3rd. rate. No timber. Land covered with dense undergrowth 80.00 chs.
40.00	N. $89^{\circ} 58'$ E. on a random line bet. secs. 2 and 11 Set temp $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line 5 lks. N. of the cor. of secs. 1, 2, 11 and 12. Thence I run West on a true line bet. secs. 2 and 11 Over level land through dense brush.
10.33	Cross Arizona and Swansea R.R. grade bears N.E. and S.W.
26.45	Cross wash 50 lks. wide course S.
29.96	Cross wash 100 lks. wide course S.
38.98	Set a malpais stone 18 x 12 x 4 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.
77.45	Cross wash 40 lks. wide course S. W.
79.96	The cor. of secs. 2, 3, 10 and 11. Land level. Soil, sandy and gravelly; 2nd. and 3rd. rate. No timber. Undergrowth, Greasewood and paloverde. Land covered with dense undergrowth 79.96 chs.
40.00	N $0^{\circ} 01'$ W. on a random line bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. bdy. of Tp. 2 lks. W. of the cor. of secs. 2, 3, 34 and 35. Thence I run S. $0^{\circ} 02'$ W. on a true line bet. secs. 2 and 3 Over rolling land through dense brush.
22.65	Cross wash 10 lks. wide course S.W.
39.98	Set a granite stone 20 x 10 x 5 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
39.98	
53.20	Cross wash 20 lks. wide course W.
62.20	Cross wash 10 lks. wide course W.
79.98	The cor. of secs. 2, 3, 10 and 11. Land, rolling. Soil, sandy and gravelly; 2nd. and 3rd. rate. Timber, mesquite and paloverde. Undergrowth, greasewood, mesquite and paloverde. Land covered with dense undergrowth 79.98 chs. September 18: At this cor. I set off $1^{\circ} 55'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $33^{\circ} 58'$ N.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	N. 0° 02' W. bet. secs. 33 and 34. Over rolling land through dense brush.
5.20	Cross wash 10 lks. wide course N. E.
10.00	Cross wash 10 lks. wide course N. E.
28.00	Cross wash 25 lks. wide course N. E.
40.00	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 W. face; from which An ironwood 8 ins. diam. bears S. 76° W. 180 lks. dist., marked $\frac{1}{4}$ S33BT An ironwood 6 ins. diam., bears N. 11° E. 268 lks. dist., marked $\frac{1}{4}$ S34BT.
42.10	Cross wash 30 lks. wide course N. E.
47.33	Cross road bears N. E. and S. W.
55.00	Cross wash 10 lks. wide course N. E.
64.00	Cross wash 10 lks. wide course N. E.
75.00	Cross wash 10 lks. wide course N. E.
78.60	Cross wash 30 lks. wide course N. E.
80.00	Set a granite stone 18 x 6 x 6 ins. 12 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E, edges; from which An ironwood 12 ins. diam., bears N. 60 $\frac{3}{4}$ ° E 234 lks. dist., marked T7NR17WS27BT An ironwood 12 ins. diam., bears S. 16° E. 73 lks. dist., marked T7NR17ES34BT. Ab ironwood 10 ins. diam., bears S. 25 $\frac{1}{2}$ ° W. 116 lks. dist., marked T7NR17WS33BT. An ironwood 10 ins. diam., bears N. 50 $\frac{1}{4}$ ° W. 254 lks. dist. marked T7NR17WS28BT
	Land, rolling. Soil, sandy and gravelly; 3rd. and 4th. rate. Timber, ironwood and paloverde. Undergrowth, greasewood and paloverde. Land covered with dense undergrowth 80.00 chs.
40.00	East on a random line bet. secs. 27 and 34
79.96	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line at the cor. of secs. 26, 27, 34 and 35 Thence I run West on a true line bet. secs. 27 and 34 Over rolling land through dense brush
1.00	Cross wash 30 lks. wide course N.
16.85	Cross wash 35 lks. wide course N.
35.45	Cross road bears N. and S.
39.98	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which An ironwood 6 ins. diam., bears N. 52° W. 150 lks. dist., marked $\frac{1}{4}$ S27BT An ironwood 4 ins. diam., bears S. 73° W. 225 lks. dist., marked $\frac{1}{4}$ S34BT.
44.43	Cross road bears N. E. and S. W.
48.50	Cross wash 50 lks. wide course N. E.
55.00	Cross wash 10 lks. wide course N. E.
56.10	Cross road bears N. E. and S. W.
79.00	Cross wash 75 lks. wide course N. E.
79.96	The cor. of secs. 27, 28, 33 and 34. Land, rolling. Soil, sandy and gravelly; 2nd. and 4th. rate. Timber, ironwood and mesquite. Undergrowth, greasewood, mesquite and paloverde. Land covered with dense undergrowth 79.96 chs.
9.00	N. 0° 02' W. bet. secs. 27 and 28 Over rolling land through dense brush.
16.30	Cross wash 50 lks. wide course N. E. Cross wash 30 lks. wide course N. E.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains	
25.00	Cross wash 20 lks. wide course N. E.
38.00	Cross wash 20 lks. wide course N. E.
40.00	Set a quartzite stone 18 x 12 x 10 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which An ironwood 8 ins. diam., bears N. 52° W. 185 lks. dist., marked $\frac{1}{4}$ S28BT.
	No other tree available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor., pits impracticable.
49.80	Cross wash 75 lks. wide course N. E.
61.00	Cross wash 50 lks. wide course N. E.
80.00	Set a quartz stone 16 x 12 x 10 ins. 11 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor., pits impracticable.
	Land, rolling.
	Soil, stony; 4th. rate.
	Timber, ironwood.
	Undergrowth, Greasewood, paloverde and mesquite.
	Land covered with dense undergrowth 80.00 chs.
	September 18, 1909.
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	September 19: At 7h. oom., a.m., l.m.t., I set off 33° 55 $\frac{1}{2}$ ' N. on the lat. arc; 1° 38' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28
	Thence I run
	East on a random line bet. secs. 22 and 27
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 3 lks. N. of the cor. of secs. 22, 23, 26 and 27
	Thence I run
	N. 89° 59' W. on a true line bet. secs. 22 and 27
	Over level land through dense brush
12.05	Cross road bears N. and S.
16.50	Cross wash 40 lks. wide course N. E.
23.47	Cross road bears N. and S.
24.68	Cross road bears N. and S.
40.01	Set a quartz stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which An ironwood 16 ins. diam., bears N. 75° W. 86 lks. dist., marked $\frac{1}{4}$ S22BT An ironwood 14 ins. diam., bears S. 17° W. 246 lks. dist., marked $\frac{1}{4}$ S27BT.
40.75	Cross wash 40 lks. wide course N. and over rolling land.
55.50	Cross wash 15 lks. wide course N. E.
80.02	The cor. of secs. 21, 22, 27 and 28. Land level and rolling. Soil, sandy and stony; 2nd. and 4th. rate. Timber, mesquite and ironwood. Undergrowth, mesquite, greasewood and paloverde. Land covered with dense undergrowth, 80.02 chs.
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	N. 0° 02' W. bet. secs. 21 and 22
	Over rolling land, through dense brush
3.15	Cross wash 10 lks. wide course N. E.
13.41	Cross old road bears E. and W.
39.00	Cross wash 30 lks. wide course N. E.
39.10	Cross road bears E. and W.
40.00	Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which An ironwood 6 ins. diam., bears S. 40° E. 25 lks. dist., marked $\frac{1}{4}$ S22BT.



## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.		
	A paloverde 4 ins. diam., bears S. 65° W 181 lks. dist., marked $\frac{1}{4}$ S21BT.	
42.00	Cross wash 10 lks. wide course N. E.	
57.75	Cross wash 10 lks. wide course N. E.	
75.00	Cross wash 10 lks. wide course N. E.	
80.00	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked with 3 notches on S. and E. edges; from which	
	An ironwood 6 ins. diam., bears N. 81½° E. 191 lks. dist., marked T7NR17WS15BT	
	A paloverde 8 ins. diam., bears S. 72° E. 244 lks. dist., marked T7NR17WS22BT	
	An ironwood 6 ins. diam., bears S. 2½° W. 285 lks. dist., marked T7NR17WS21BT.	
	An ironwood 8 ins. diam., bears N. 30½° W. 152 lks. dist., marked T7NR17WS16BT.	
	Land, rolling.	
	Soil, stony; 4th. rate.	
	Timber ironwood and paloverde.	
	Undergrowth, greasewood and paloverde.	
	Land covered with dense undergrowth 80.00 chs.	
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	S. 89° 59' E. on a random line bet. secs. 15 and 22	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.04	Intersect N. and S. line 10 lks. S. of the cor. of secs. 14, 15, 22 and 23.	
	Thence I run	
	S. 89° 57' W. on a true line bet. secs. 15 and 22	
	Over level land through dense brush	
3.67	Cross Arizona and Swansea R. R. grade bears N. and S.	
13.18	Cross Arizona & California R. R. bears N. W. and S. E.	
13.53	Cross road bears N.W. and S.E.	
13.91	Telegraph line bears N.E. and S.E.	
29.75	Cross wash 75 lks. wide course N. W.	
35.50	Cross wash 40 lks. wide course N. W.	
40.02	Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor.	
51.18	Telephone line bears N. W. and S. E.	
56.55	Cross wash 20 lks. wide course N. W.	
61.45	Cross road bears N. W. and S. E.	
66.50	Cross wash 15 lks. wide course N. E.	
80.04	The cor. of secs. 15, 16, 21 and 22.	
	Land, level.	
	Soil, sandy and gravelly; 2nd and 4th. rate.	
	Timber ironwood and mesquite.	
	Undergrowth, greasewood, mesquite and paloverde.	
	Land covered with dense undergrowth 80.04 chs.	
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	N. 0° 02' W. bet. secs. 15 and 16.	
	Over rolling land through dense brush.	
1.85	Cross wash 10 lks. wide course N. E.	
18.50	Cross wash 10 lks. wide course N. E.	
22.50	Telephone line bears N. W. and S. E.	
30.84	Cross road bears N. W. and S. E.	
37.50	Cross wash 20 lks. wide course N. E.	
40.00	Set a granite stone 18 x 10 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.	
48.25	Cross wash 30 lks. wide course N. W.	
49.80	Cross wash 30 lks. wide course N. W.	
52.10	Cross wash 50 lks. wide course N. W.	
53.00	Cross wash 50 lks. wide course N. W.	

Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

55.00 Cross wash 50 lks. wide course N. E.  
 59.00 Cross wash 50 lks. wide course N. E.  
 60.50 Cross wash 100 lks. wide course N. E.  
 79.50 Road bears N. W. and S. E. and telegraph line bears N. W. and S. E.  
 80.00 Set a limestone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
 Land rolling.  
 Soil, sandy and stony; 2nd. and 4th. rate.  
 Timber, mesquite and ironwood.  
 Undergrowth, mesquite, greasewood and paloverde.  
 Land covered with dense undergrowth 80.00 chs.

40.00 N. 89° 57' E. on a random line bet. secs. 10 and 15  
 Set temp. 1/4 sec. cor.  
 79.98 Intersect N. and S. line 10 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence I run  
 N. 89° 59' W. on a true line bet. secs. 10 and 15  
 Over level land through dense brush.  
 39.99 Set a malpais stone 18 x 10 x 4 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face; from which  
 An ironwood 6 ins. diam., bears N. 65° E. 81 lks. dist., marked 1/4 SLOBT

No other tree available. Dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor.  
 79.45 Cross Arizona and California R. R. bears N. W. and S. E.  
 79.98 The cor. of secs. 9, 10, 15 and 16.

Land, level.  
 Soil, sandy; 1st. rate.  
 No timber.  
 Undergrowth, greasewood, ironwood and mesquite.  
 Land covered with dense undergrowth 79.98 chs. ✓  
 September 19; At this cor. I set off 1° 31 1/2' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 57 1/2' N. ✓

N. 0° 02' W. bet. secs. 9 and 10  
 Over level land through dense brush.  
 0.45 Cross Arizona & California R. R. bears N. W. and S. E.  
 3.00 Cross wash 75 lks. wide course S. W.  
 40.00 Set a malpais stone 18 x 8 x 8 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.

51.10 Cross wash 15 lks. wide course W.  
 65.50 Cross wash 75 lks. wide course W.  
 80.00 Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 No timber.  
 Undergrowth, greasewood.  
 Land covered with dense undergrowth 80.00 chs.

## Subdivision of Tp 7 N. Rg. 17 W.

Chains.	
40.00	S. 89° 59' E. on a random line bet. secs. 3 and 10
79.90	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 7 lks. N. of the cor. of secs. 2, 3, 10 and 11 Thence I run N. 89° 56' W. on a true line bet. secs. 3 and 10 Over rolling land through dense brush.
26.90	Over level land.
39.95	Set a malpais stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; Dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
64.40	Cross wash 10 lks. wide course S.
68.90	Ascend rocky E. slope.
70.60	Ridge bears N. W. and S. E. and descend rough W. slope.
72.90	Over level land.
79.90	The cor. of secs. 3, 4, 9 and 10. Land, level and mountainous. Soil, sandy, gravelly and rocky; 1st. 3rd. and 4th. rate. No timber. Undergrowth, greasewood, mesquite and paloverde. Mountainous land and land covered with dense undergrowth 79.90 chs.
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40.00	N. 0° 02' W. on a random line bet. secs. 3 and 4
80.06	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of Tp. 5 lks. W. of the cor. of secs. 3, 4, 33 and 34 Thence I run South bet. secs. 3 and 4 Over level land, through dense brush
30.00	Ascend rough rocky N. slope of mountain. Leave brush.
40.06	Set a limestone 24 x 10 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.
44.70	Ridge bears E. and W. and descend.
57.50	Cross wash 10 lks. wide course W. and ascend.
64.00	Ridge bears E. and W. and descend.
75.00	Over level land through dense brush.
80.06	The cor. of secs. 3, 4, 9 and 10. Land, level and mountainous. Soil, sandy and rocky; 1st. and 4th. rate. No timber. Undergrowth, greasewood and paloverde. Mountainous land and land covered with dense undergrowth 80.06 chs.
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September 19, 1909.	
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September 20: At 7h.00m., a.m., l.m.t., I set off 33° 54' N. on the lat. arc: 1° 15' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs: 4, 5, 32 and 33 on the S. bdy. of the Tp.	
Thence I run N. 0° 02' W. bet. secs. 32 and 33 Over rolling mountainous land, through dense brush.	
21.00	Cross wash 40 lks. wide course N. E.
24.15	Cross wash 50 lks. wide course N. E.
35.00	Cross wash 40 lks. wide course N. E.
40.00	Set a quartzite stone 20 x 10 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.
80.00	Set a quartzite stone 20 x 10 x 8 ins. 15 ins. in the

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

ground for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges; from which  
 An ironwood 6 ins. diam., bears S. 85° W. 68 lks. dist., marked T7NR17WS32BT  
 A paloverde 4 ins. diam., bears N. 20° E. 194 lks. dist., marked T7NR17WS28BT.  
 No other trees available. Raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable.  
 Land, mountainous.  
 Soil, rocky; 4th. rate.  
 No timber.  
 Undergrowth, greasewood and paloverde.  
 Mountainous land 80.00 chs.

40.00 East on a random line bet. secs. 28 and 33  
 80.08 Set temp. ¼ sec. cor.  
 Intersect N. and S. line 10 lks. N. of the cor. of secs. 27, 28, 33 and 34.  
 Thence I run  
 N. 89° 56' W. on a true line bet. secs. 28 and 33  
 Overrolling land through dense brush.  
 18.100 Cross wash, 40 lks. wide course N. E.  
 37.00 Cross wash, 40 lks. wide course N. E.  
 40.04 Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which  
 A paloverde 6 ins. diam., bears S. 40° E 36 lks. dist., marked ¼S33BT.  
 No other tree available. Raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable  
 44.10 Cross wash 25 lks. wide course S. E.  
 70.10 Cross wash 15 lks. wide course N.  
 80.08 The cor. of secs. 28, 29, 32 and 33.  
 Land, rolling.  
 Soil, stony; 4th. rate.  
 No timber. Undergrowth, paloverde and greasewood.  
 Land covered with dense undergrowth 80.08 chs.

N. 0° 02' W. bet. secs. 28 and 29.  
 Over rolling land through dense brush.  
 2.00 Cross wash 15 lks. wide course N. E.  
 18.50 Cross wash 15 lks. wide course N. E.  
 30.85 Cross road bears N. E. and S. W.  
 35.00 Cross drain 8 lks. wide course N. E.  
 40.00 Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on W. face; from which  
 An ironwood 6 ins. diam., bears N. 84½° E. 309 lks. dist., marked ¼S28BT.  
 A paloverde 4 ins. diam., bears N. 61½° W. 132 lks. dist., marked ¼S29BT.  
 56.00 Cross wash 75 lks. wide course E.  
 59.73 Cross road bears N. E. and S. W.  
 67.00 Cross wash 10 lks. wide course N. E.  
 80.00 Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked with 2 notches on S. and 4 notches on E. edges; from which  
 An ironwood 6 ins. diam., bears S. 26° E. 102 lks. dist., marked T7NR17WS28BT.  
 An ironwood 6 ins. diam., bears N. 2° W. 60 lks. dist., marked T7NR17WS20BT.  
 No other trees available. Raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, stony; 4th. rate.  
 Undergrowth, greasewood and paloverde.  
 Land covered with dense undergrowth 80.00 chs.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	
40.00	S. 89° 56' E. on a random line bet. secs. 21 and 28 Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 12 lks. S. of the cor. of secs. 21, 22, 27 and 28 Thence I run
5.50	S. 89° 59' W. on a true line bet. secs. 21 and 28 Over rolling land through dense brush.
22.23	Cross wash 15 lks. wide course N. E.
39.60	Cross road bears N. E. and S. W.
39.99	Cross wash 10 lks. wide course N.
43.75	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which
55.50	A paloverde 8 ins. diam., bears N. 42° W. 32 lks. dist., marked $\frac{1}{4}$ S21BT
58.00	A paloverde 4 ins. diam., bears S59° W. 130 lks. dist., marked $\frac{1}{4}$ S28BT.
79.25	Cross wash 10 lks. wide course N. E.
79.98	Cross wash 25 lks. wide course N.
	Cross wash 40 lks. wide course N.
	Cross wash 10 lks. wide course N.
	The cor. of secs. 20, 21, 28 and 29..
	Land, rolling.
	Soil, stony; 4th. rate.
	No timber.
	Undergrowth, greasewood and paloverde.
	Land covered with dense undergrowth 79.98 chs.
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	N. 0° 02' W. bet. secs. 20 and 21
	Over rolling land through dense brush.
2.00	Cross wash 10 lks. wide course N. E.
9.00	Cross wash 10 lks. wide course N.E.
25.00	Cross wash 20 lks. wide course N.E.
29.61	Cross road bears E. and W.
35.08	Cross road bears E. and W.
39.50	Cross wash 30 lks. wide course N. E.
40.00	Set a malpais stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which
	A paloverde 8 ins. diam., bears S. 45° E. 42 lks. dist., marked $\frac{1}{4}$ S21BT
	An ironwood 12 ins. diam., bears S. 35° W. 68 lks. dist., marked $\frac{1}{4}$ S20BT
50.00	Cross wash 20 lks. wide course N. E.
80.00	Set a malpais stone 18 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked with 3 notches on S. and 4 notches on E. edges; from which
	An ironwood 4 ins. diam., bears N. 41° E. 223 lks. dist., marked T7NR17WS16BT.
	An ironwood 6 ins. diam., bears S. 51 $\frac{1}{2}$ ° E. 138 lks. dist., marked T7NR17WS21BT
	An ironwood 4 ins. diam., bears S. 6 $\frac{1}{2}$ ° W. 42 lks. dist., marked T7NR17WS20BT.
	No other tree available. Raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, rolling.
	Soil, stony; 4th rate.
	Timber, ironwood.
	Undergrowth, greasewood and paloverde.
	Land covered with dense undergrowth 80.00 chs.
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40.00	N. 89° 59' E. on a random line bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line 10 lks. N. of the cor. of secs. 15, 16, 21 and 22.
	Thence I run
	N. 89° 57' W. on a true line bet. secs. 16 and 21

Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	land
	Over rolling through dense brush.
3.00	Cross wash 10 lks. wide course N. E.
11.00	Cross wash 10 lks. wide course N. E.
24.00	Cross wash 10 lks. wide course N. E.
28.00	Cross wash 10 lks. wide course N. E.
39.00	Cross wash 30 lks. wide course N. E.
40.02	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which An ironwood 6 ins. diam., bears S. 72° E. 174 lks. dist., marked $\frac{1}{4}$ S21BT. An ironwood 8 ins. diam., bears N. 5° W. 214 lks. dist., marked $\frac{1}{4}$ S16BT.
80.04	The cor. of secs. 16, 17, 20 and 21. Land, rolling. Soil, stony; 4th. rate. Timber, ironwood. Undergrowth, greasewood and paloverde. Land covered with dense undergrowth 80.04 chs. September 20: At this cor. I set off 1°08' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 56 $\frac{1}{2}$ ' N.
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	N. 0° 02' W. bet. secs. 16 and 17
	Over rolling land through dense brush.
15.00	Cross wash 40 lks. wide course N. E.
40.00	Set a malpais 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which An ironwood 6 ins. diam., bears N. 27° E. 42 lks. dist., marked $\frac{1}{4}$ S16BT.
	No other tree available. Raise a mound of stone 2 ft. base $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
64.50	Cross wash 25 lks. wide course N. E.
77.50	Cross wash 10 lks. wide course N. E.
80.00	Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S. and E. edges; from which A paloverde 4. ins. diam., bears S. 6 $\frac{1}{2}$ ° W. 220 lks. dist., marked T7NR17WS17BT. An ironwood 4 ins. diam., bears N. 43 $\frac{1}{4}$ ° W. 167 lks. dist., marked T7NR17WS8BT.
	No other trees available. Raise a mound of stone 2 ft. base $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Land, rolling. Soil, stony 4th. rate. Timber, ironwood. Undergrowth, greasewood and paloverde. land covered with dense undergrowth 80.00 chs.
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40.00	S. 89° 57' E. On a random line bet. secs. 9 and 16
80.02	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 12 lks. S. of the cor. of secs. 9, 10, 15 and 16 Thence I run S. 89° 58' W. on a true line bet. secs. 9 and 16
	Over level land through dense brush.
0.50	Telegraph line and road bears N. E. and S. E.
15.00	Cross wash 100 lks. wide course N. W.
21.50	Cross wash 40 lks. wide course N. W.
25.77	Cross wash 45 lks. wide course N. W.
38.38	Cross road, bears N. and S.
40.01	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base $\frac{1}{2}$ ft. high, N. of cor.
45.00	Cross wash 20 lks. wide course N. E.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	
70.50	Cross wash 30 lks. wide course N. E.
74.90	Telephone line bears N. W. and S. E.
76.00	Cross wash 10 lks. wide course N. E.
80.02	The cor. of secs. 8, 9, 16 and 17. Land, level and rolling. Soil, stony and sandy; 1st. and 4th. rate. Timber, mesquite, ironwood and paloverde. Undergrowth, mesquite, greasewood and paloverde. Land, covered with dense undergrowth 80.02 chs.
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	N. 0° 02' W. bet. secs. 8 and 9 Over rolling landthrough dense brush.
3.90	Cross telephone line bears E. and W.
5.85	Cross road bears E. and W.
9.000	Cross wash 10 lks. wide course N. E.
40.00	Set a granite stone 16 x 10 x 6 ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which An ironwood 4 ins. diam., bears S. 86° W. 190 lks. dist., marked $\frac{1}{4}$ S8BT. An ironwood 12 ins. diam., bears S. 54° E. 195 lks. dist., marked $\frac{1}{4}$ S9BT.
56.90	Cross wash 40 lks. wide course N. W.
61.00	Cross wash 40 lks. wide course N. W.
74.00	Cross wash 60 lks. wide course N. W.
75.00	Cross wash 50 lks. wide course N. W.
80.00	Set a malpais stone 16 x 18 x 6 ins. 11 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on S. and 4 notches on E. edges; dig pits 18 x 18 x 12 ins. in each sec, 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Land rolling and level. Soil, sandy, and stony; 1st. and 4th. rate. Timber, ironwood, mesquite and paloverde. Undergrowth, greasewood, mesquite and paloverde. land covered with dense undergrowth 80.00 chs.
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	N. 89° 58' E. on a random line bet. secs. 4 and 9
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 7 lks. N. of the cor. of secs. 3, 4, 9 and 10 Thence I run N. 89° 59' W. on a true line bet. secs. 4 and 9. Over level land through dense brush.
20.80	Cross wash 10 lks. wide course S. W.
39.99	Set a malpais stone 18 x 10 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; Dig pits 18 x 18 x 12 ins. E. and W. of stone $\frac{3}{4}$ ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
55.00	Cross wash 30 lks. wide course S. W.
56.50	Cross wash 20 lks. wide course N. W.
68.50	Cross wash 40 lks. wide course N. W.
69.82	Arizona & California R. R. bears N. W. and S. E.
70.65	Telegraph line bears N. W. and S. E.
71.75	Cross road bears N. W. and S. E.
79.98	The cor. of secs. 4, 5, 8, and 9, Land, level. Soil, sandy; 1st. rate. No timber. Undergrowth, greasewood and paloverde. Land covered with dense undergrowth 79.98 chs.
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	N. 0° 02' W. on a random line bet. secs. 4 and 5

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. bdy. of Tp. 2 lks. W. of the cor. of secs. 4, 5, 32 and 33
	Thence I run
	S. $0^{\circ} 01'$ E. on a true line bet. secs. 4 and 5
	Over level land, through dense brush.
1.00	Cross wash 10 lks. wide course N. E.
28.00	Cross wash 50 lks. wide course S. W.
34.00	Cross wash 50 lks. wide course S. W.
40.02	Set a malpais stone 18 x 10 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
68.47	Cross Arizona & California R. R. bears N. W. and S. E.
69.35	Telegraph line bears N. W. and S. E.
69.85	Cross road bears N. W. and S. E.
70.50	Cross wash 30 lks. wide course N. E.
80.02	The cor. of secs. 4, 5, 8 and 9.
	Land, level.
	Soil, sandy; 1st. rate.
	No timber.
	Undergrowth, greasewood.
	Land covered with dense undergrowth 80,02 chs.
	September 20, 1909.
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	September 21: At 7h. 00m., a.m., l.m.t., I set off $33^{\circ} 54'$ N. on the lat. arc; $0^{\circ} 51\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.
	Thence I run
	N. $0^{\circ} 03'$ W. bet. secs. 31 and 32.
	Over broken mountainous land.
6.50	Cross wash 25 lks. wide course E.
19.50	Cross wash 30 lks. wide course E.
32.70	Cross road bears E. and W.
33.25	Cross wash 15 lks. wide course E.
40.00	Set a malpais stone 24 x 8 x 8 ins. 18 ins. in the ground for $\frac{1}{4}$ sec. cor., marked 1 on W. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
40.50	Cross wash 25 lks. wide course E.
48.95	Cross wash 30 lks. wide course E.
56.25	Cross wash 20 lks. wide course E.
66.20	Cross wash 30 lks. wide course E.
78.90	Cross wash 40 lks. wide course E.
80.00	Set a malpais stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked with 5 notches on E. and 1 notch on S. edges; from which
	A paloverde 4 ins. diam., bears S. $39^{\circ}$ W. 125 lks. dist., marked T7NR17WS31BT.
	No other trees available. 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.
	Timber, ironwood.
	Mountainous land 80.00 chs.
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	East on a random line bet. secs. 29 and 32
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line 3 lks. S. of the cor. of secs. 28, 29, 32 and 33
	Thence I run
	S. $89^{\circ} 59'$ W. on a true line bet. secs. 29 and 32
	Over rough mountainous land gradually ascending.



## BOOK 2137

Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	
0.65	Cross wash 45 lks. wide course N.
4.60	Cross wash 20 lks. wide course N.
36.14	Cross road bears N. E. and S. W.
40.02	Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A paloverde 4 ins. diam., bears N. $72\frac{1}{2}^{\circ}$ E 126 lks. dist., marked $\frac{1}{4}$ S29BT. No other tree available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
50.24	Cross wash 45 lks. wide course N. E.
63.34	Cross wash 20 lks. wide course N. E.
72.55	Cross wash 10 lks. wide course S. E.
80.04	The cor. of secs. 29, 30, 31 and 32. Land, mountainous. Soil, rocky; 4th. rate. Timber, ironwood. Mountainous land, 80.04 chs.
40.00	West on a random line bet. secs. 30 and 31. Set temp. $\frac{1}{4}$ sec. cor.
78.95	Intersect W. bdy. of Tp. 23 lks. S. of the cor. of secs. 25, 30, 31 and 36 Thence I run S. $89^{\circ} 50'$ E. on a true line bet. secs. 30 and 31 Over rough mountainous land descending.
38.95	Set a malpais stone 24 x 12 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.
78.95	The cor. of secs. 29, 30, 31 and 32. Land, mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 78.95 chs. September 21: At this cor. I set off $0^{\circ} 45'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $33^{\circ} 55'$ N.
7.85	N. $0^{\circ} 03'$ W. bet. secs. 29 and 30. Along rough E. slope of mountains.
33.60	Cross wash 15 lks. wide course E.
39.70	Cross wash 20 lks. wide course E.
40.00	Cross wash 30 lks. wide course E. Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A paloverde 4 ins. diam., bears N. $30^{\circ}$ E. 121 lks. dist., marked $\frac{1}{4}$ S29BT. A paloverde 4 ins. diam., bears $S67^{\circ}$ W. 159 lks. lks. dist., marked $\frac{1}{4}$ S30BT.
42.40	Cross wash 40 lks. wide course E.
61.00	Cross wash 25 lks. wide course E.
77.45	Cross dim road bears N. W. and S. E.
78.20	Cross wash 30 lks. wide course E.
80.00	Set a malpais stone 18x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked with 3 notches on S. and 5 notches on E. edges; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, stony; 4th. rate. Timber, ironwood. Mountainous land 80.00 chs.

Subdivision of Tp. 7N. Rg. 17 W.

Chains. N. 89° 59' E. on a random line bet. secs. 20 and 29  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.96 Intersect N. and S. line 7 lks. N. of the cor. of secs. 20, 21, 28 and 29.  
 Thence I run  
 N. 89° 58' W. on a true line bet. secs. 20 and 29  
 Over rolling mountainous land ascending.  
 2.75 Cross wash 10 lks. wide course N. E.  
 7.80 Cross wash 10 lks. wide course N. E.  
 23.20 Cross wash 15 lks. wide course N. E.  
 39.98 Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
 An ironwood 6 ins. diam., bears N. 2° E. 227 lks. dist., marked  $\frac{1}{4}$ S20BT.  
 A paloverde 4 ins. diam., bears S. 20° W. 93 lks. dist., marked  $\frac{1}{4}$ S29BT.  
 43.50 Cross wash 20 lks. wide course N. and ascend steeply.  
 48.00 Ridge bears N. W. and S. E. and descend.  
 54.50 Cross wash 40 lks. wide course N. E. and ascend over rolling mountainous land.  
 73.50 Cross wash 30 lks. wide course N. E.  
 79.96 The cor. of secs. 19, 20, 29 and 30.  
 Land, mountainous.  
 Soil, rocky; 4th. rate.  
 Timber, ironwood.  
 Mountainous land 79.96 chs.

40.00 N. 89° 50' W. on a random line bet. secs. 19 and 30.  
 78.89 Set temp.  $\frac{1}{4}$  sec. cor,  
 Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 19, 24, 25 and 30.  
 Thence I run  
 S. 89° 52' E. on a true line bet. secs. 19 and 30  
 Over rough mountainous land descending.  
 38.89 Set a malpais stone 20 x 10 x 8 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.  
 43.91 Cross wash 100 lks. wide course N. E.  
 78.89 The cor. of secs. 19, 20, 29 and 30.  
 Land, mountainous.  
 Soil, rocky; 4th rate.  
 No timber.  
 Mountainous land 78.89 chs.

September 21, 1909.

September 22: At 7h. 00m., a.m., l.m.t., I set off 33° 55 $\frac{1}{2}$ ' N. on the lat. arc; 0° 28' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.  
 Thence I run  
 N. 0° 03' W. bet. secs. 19 and 20.  
 Along rough E. slope of mountains.  
 5.00 Cross wash 90 lks. wide course N. E.  
 21.00 Cross wash 50 lks. wide course E.  
 33.60 Cross wash 45 lks. wide course E.  
 38.30 Cross wash 50 lks. wide course E.  
 40.00 Set a malpais stone 20 x 8 x 8 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.  
 48.70 Cross wash 40 lks. wide course E.  
 80.00 Set a Malpais stone 18 x 10 x 8 ins. 12 ins. in the ground

Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on E. edges; from which An ironwood 4 ins. diam., bears N. 83° E. 214 lks. dist., marked T7NR17WS17BT. An ironwood 4 ins. diam., bears S. 63° E. 161 lks. dist., marked T7NR17WS20BT. No other trees available. Raise a mound of stone 3 ft. base 1½ ft. high, W. of cor., pits impracticable. From this cor. U. S. L. M. No 2170 bears N. 55° 58' W. Land, mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.00 chs.
40.00	S. 89° 58' E. on a random line bet. secs. 17 and 20
80.02	Set temp. ¼ sec. cor. Intersect N. and S. line 5 lks. S. of the cor. of secs. 16, 17, 20 and 21 Thence I run West on a true line bet. secs. 17 and 20 Over rough broken land, through
1.00	Cross wash 10 lks. wide course N. E.
19.00	Cross wash 10 lks. wide course N. E.
40.01	Set a malpais stone 18 x 8 x 5 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; from which A paloverde 4 ins. diam., bears N. 85° E. 80 lks. dist., marked ¼ S17BT. An ironwood 4 ins. diam., bears S. 27° E. 215 lks. dist., marked ¼ S20BT
41.00	Cross drain 10 lks. wide course N. E.
50.75	Cross wash 20 lks. wide course N.
54.20	Cross wash 25 lks. wide course N. E.
80.02	The cor. of secs. 17, 18, 19 and 20. Land, mountainous. Soil; stony; 4th rate. Timber, ironwood. Mountainous land 80.02 chs.
40.00	N. 89° 52' W. on a random line bet. secs. 18 and 19
78.77	Set temp. ¼ sec. cor. Intersect W. bdy. of Tp. 16 lks. N. of the cor. of secs. 13, 18, 19 and 24 from which U. S. L. M. No. 2170 bears N. 18° 13' E. Thence I run S. 89° 59' E. on a true line bet. secs. 18 and 19 Over broken mountainous land.
20.67	Shaft.
22.77	Shaft bears N. 80 lks.
29.00	Cross drain 10 lks. wide course N.
35.85	Cross drain 4 lks. wide course N. E.
36.95	Cross drain 4 lks. wide course N.
38.77	Set a malpais stone 18 x 10 x 4 ins. 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
41.77	Cross drain 5 lks. wide course S. and ascend.
45.75	Spur runs N. and descend.
48.75	Foot of spur and over broken land.
69.57	Cross wash 10 lks. wide course N. E.
76.67	Cross wash 10 lks. wide course N. E.
78.20	Cross road bears N. E. and S. W.
78.77	The cor. of secs. 17, 18, 19 and 20. Land, mountainous. Soil; rocky; 4th. rate. No timber. Mountainous land 78.77 chs. September 23: At this cor. I set off 0° 21½' N. on the decl. arc; and observe the sun on the meridian at noon;

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

the resulting lat. is  $33^{\circ} 56\frac{1}{2}'$  N. ✓

N.  $0^{\circ} 03'$  W. bet. secs. 17 and 18  
 Along rolling E. slope of mountains.  
 0.59 Cross road bears N. E. and S. W.  
 23.75 Cross wash 60 lks. wide course E.  
 40.00 Set a granite stone 18 x 8 x 6 ins. 12 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 imprac-  
 ticable.  
 45.00 Cross wash 10 lks. wide course N. E.  
 56.00 Cross wash 10 lks. wide course N. W.  
 79.25 Cross wash 50 lks. wide course N. E.  
 80.00 Set a Syenite stone 18 x 10 x 6 ins. 12 ins. in the ground  
 for cor. of secs. 7, 8, 17 and 18, marked with 4 notches  
 on S. and 5 notches on E. edges; from which  
 An ironwood 4 ins. diam., bears S.  $33\frac{1}{4}^{\circ}$  E. 34  
 lks. dist., marked T7NR17WS17BT.  
 A paloverde 4 ins. diam., bears S.  $22\frac{3}{4}^{\circ}$  W. 157  
 lks. dist., marked T7NR17WS18BT  
 No other trees available. 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.  
 Timber, ironwood.  
 Mountainous land 80.00 chs.

East on a random line bet. secs. 8 and 17.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.08 Intersect N. and S. line 5 lks. N. of the cor. of secs.  
 8, 9, 16 and 17.  
 Thence I run  
 N.  $89^{\circ} 58'$  W. on a true line bet. secs. 8 and 17  
 Over rolling land through dense brush.  
 10.00 Cross wash 10 lks. wide course N. E.  
 12.78 Cross road bears N. E. and S. W.  
 23.30 Cross wash 60 lks. wide course N. E.  
 40.04 Set a granite stone 18 x 10 x 8 ins. 12 ins. in the ground  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
 An ironwood 4 ins. diam., bears N.  $70\frac{1}{2}^{\circ}$  E. 140  
 lks. dist., marked  $\frac{1}{4}$ S8BT.  
 An ironwood 4 ins. diam., bears S.  $42\frac{1}{2}^{\circ}$  E. 54  
 lks. dist., marked  $\frac{1}{4}$ S17BT.  
 Thence over rolling mountainous land ascending.  
 67.50 Cross wash 15 lks. wide course N. E.  
 73.00 Cross same wash 15 lks. wide course S. E.  
 78.75 Cross road bears N. W. and S. E.  
 78.90 Cross wash 50 lks. wide course N. E.  
 80.08 The cor. of secs. 7, 8, 17 and 18.  
 Land, rolling and mountainous.  
 Soil, stony; 4th. rate.  
 Timber, ironwood.  
 Mountainous land or land covered with dense undergrowth  
 80.08 chs.

N.  $89^{\circ} 59'$  W. on a random line bet. secs. 7, and 18.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.75 Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs.  
 7, 12, 13 and 18.  
 Thence I run  
 N.  $89^{\circ} 58'$  E. on a true line bet. secs. 7 and 18.  
 Ascend steep rocky S. W. slope.  
 4.75 High ridge bears N. W. and S. E. and descend steep slope.

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.	
11.75	Cross wash 40 lks. wide course N. and ascend.
17.75	Ridge bears N. and S. and descend.
22.95	Cross road bears N. W. and S. E.
23.45	Cross wash 10 lks. wide course N. W. and ascend.
29.75	Cross ridge bears N. and S. and descend, roll mts. land.
38.25	Cross wash 25 lks. wide course N. E.
38.75	Set a granite stone 18 x 8 x 6 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.
57.25	Cross wash 10 lks. wide course N. E.
71.75	Cross road bears N. W. and S. E.
78.55	Same road bears N. E. and S. W.
78.75	The cor. of secs. 7, 8, 17 and 18. Land, mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land, 78.75 chs.
September 22, 1909.	
September 23: At 7h. 00m., a.m., 1.m.t., I set off $33^{\circ} 57\frac{1}{2}'$ N. on the lat. arc; $0^{\circ} 05'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18. Thence I run N. $0^{\circ} 03'$ W. bet. secs. 7 and 8. Along E. slope of rolling mountains.	
00.15	Cross road bears N. E. and S. W.
7.50	Cross wash 60 lks. wide course N. W.
13.00	Cross same wash course N. E.
38.80	Cross wash 15 lks. wide course N. E.
40.00	Set a granite stone 18 x 6 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which An ironwood 4 ins. diam., bears S. $63^{\circ} E. 45$ lks. dist., marked $\frac{1}{4}$ S8BT. A paloverde 4 ins. diam., bears N. $20^{\circ} W. 38$ lks. dist., marked $\frac{1}{4}$ S7BT.
40.25	Cross wash noted at 38.80, course N. W.
54.50	Cross wash 30 lks. wide course N. E.
78.00	Cross drain 10 lks. wide course E.
79.00	Cross road bears E. and W.
80.00	Set a malpais stone 18 x 12 x 6 ins. 12 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked with 5 notches on S. and E. edges; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. From this cor. Gallows frame on Little Butte mine bears S. $46^{\circ} 27' E.$ N. W. cor. of Shaft house bears S. $50^{\circ} 04' E.$ N. W. cor. of boarding house bears S. $14^{\circ} 30' E.$ Land, mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land, 80.00 chs.
40.00	S. $89^{\circ} 58' E.$ on a random line bet. secs. 5 and 8
79.94	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 7 lks. S. of the cor. of secs. 4, 5, 8 and 9. Thence I run S. $89^{\circ} 59' W.$ on a true line bet. secs. 5 and 8
6.30	Over level land through dense brush
8.50	Cross wash 50 lks. wide course N. W.
17.00	Cross wash 50 lks. wide course N. W. Cross wash 30 lks. wide course N. W.

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Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

30.00 Cross road bears N. W. and S. E.  
 39.97 Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
 A paloverde 4 ins. diam., bears S.  $30\frac{1}{2}^{\circ}$  W. 203 lks. dist., marked  $\frac{1}{4}$ S8BT.  
 An ironwood 4 ins. diam., bears N.  $59^{\circ}$  W. 193 lks. dist., marked  $\frac{1}{4}$ S5BT.  
 55.00 Cross wash 15 lks. wide course N. E. and over rolling mountains ascending.  
 68.75 A point from which  
 Gallows frame on Little Butte mine bears S.  $48^{\circ} 55'$  W.  
 N. W. cor. of shaft house bears E.  $44^{\circ} 35'$  W.  
 N. W. cor. of boarding house bears S.  $49^{\circ} 54'$  W.  
 73.00 Cross road bears N. and S.  
 79.94 The cor. of secs. 5, 6, 7, and 8.  
 Land, level and mountainous.  
 Soil, sandy and stony; 1st. and 4th. rate.  
 Timber, ironwood, paloverde.  
 Undergrowth, mesquite, greasewood and paloverde.  
 Mountainous land and land covered with dense undergrowth  
 79.94 chs.

40.00 S.  $89^{\circ} 58'$  W. on a random line bet. secs. 6 and 7  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.68 Intersect W. bdy, of Tp. 12 lks. S. of the cor. of secs. 1, 6, 7 and 12.  
 Thence I run  
 S.  $89^{\circ} 57'$  E. on a true line bet. secs. 6 and 7.  
 Over rolling N. slope of mountains.  
 1.30 Cross wash 30 lks. wide course N. E.  
 38.68 Set a granite stone 18 x 10 x 9 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; from which  
 A aloverde 4 ins. diam., bears S.  $73^{\circ}$  E. 77 lks. dist., marked  $\frac{1}{4}$ S7BT  
 A paloverde 4 ins. diam., bears N.  $75^{\circ}$  W. 127 lks. dist., marked  $\frac{1}{4}$ S6BT.  
 44.25 Cross wash 45 lks. wide course N. E.  
 50.15 Cross wash 80 lks. wide course N. W.  
 61.50 Cross road bears N. W. and S. E.  
 78.68 The cor. of secs. 5, 6, 7, and 8,  
 Land, mountainous.  
 Soil, rocky; 4th. rate.  
 Timber, ironwood.  
 Mountainous land, 78.68 chs.  
 September 23: At this cor. I set off  $0^{\circ} 02'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 58'$  N.

40.00 N.  $0^{\circ} 03'$  W. on a random line bet. secs. 5 and 6  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect N. bdy. of Tp. 5 lks. E. of the cor. of secs. 5, 6, 31 and 32  
 Thence I run  
 S.  $0^{\circ} 05'$  E. on a true line bet. secs. 5 and 6  
 Over level land through dense brush.  
 17.60 Cross wash 20 lks. wide course N. W.  
 18.85 Cross Arizona & California R. R. bears N. W. and S. E.  
 19.58 Telegraph line bears N. W. and S. E.  
 19.66 Cross road bears N. W. and S. E.  
 35.90 Cross wash 30 lks. wide course N. W.  
 37.40 Cross wash 50 lks. wide course N. W.  
 39.90 Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; form which  
 An ironwood 10 ins. diam., bears S.  $35\frac{3}{4}^{\circ}$  E. 284 lks. dist., marked  $\frac{1}{4}$ S5BT

## Subdivision of Tp. 7 N. Rg. 17 W.

Chains.

49.40 A paleverde 8 ins. diam., bears N. 0° 05' W. 193  
lks. dist., marked  $\frac{1}{4}$ SGBT.  
51.17 Cross wash 15 lks. wide course N. W.  
Cross road bears N. W. and S. E. and ascend N. slope of  
rolling mountains.  
79.90 The cor. of secs. 5, 6, 7, and 8.  
Land, level and mountainous.  
Soil, rocky and sandy; 1st. and 4th. rate.  
Timber, ironwood and paleverde.  
Undergrowth, mesquite, greasewood and paleverde.  
Mountainous land and land covered with dense undergrowth  
79.90 chs.

September 23, 1909.

## GENERAL DESCRIPTION.

The central portion of this Tp. is level and the soil sandy and capable of raising fine crops with irrigation. The eastern and western parts of the township are mountainous and rough. There is no timber excepting ironwood, paleverde and mesquite which is of no value excepting for fuel. Copper has been found in secs. 7, 8, and 18 and there has been prospecting in the remaining secs. along the W. bdy. of the township. There is no water in the township. The town of Bouse is located in sec 23, and contains a hotel, two stores and about 20 dwelling houses. its estimated population is 100. The Little Butte Mine is located in sec. 8.

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

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF NAMES.

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A list of the names of the individuals employed by John F. Hesse

....., 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 the

Subdivision lines of Tp/ 7 N. Rg. 17 W.

showing the respective capacities in which they acted:

Fred Kestl ..... , *Chainman.*

A. N. Oliver ..... , *Chainman.*

..... , *Moundman.*

..... , *Moundman.*

..... , *Asman.*

..... , *Asman.*

Chas Kaufman ..... , *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John F. Hesse

....., United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision lines of Tp. 7 N. Rg. 17 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

Fred Kestl ..... , *Chainman.*

A. N. Oliver ..... , *Chainman.*

..... , *Moundman.*

..... , *Moundman.*

..... , *Asman.*

..... , *Asman.*

Chas Kaufman ..... , *Flagman.*

Subscribed and sworn to before me this 23rd. }  
day of September, 1909., 19



John F. Hesse  
U.S. Dep. Surveyor

No notary available without loss of time and great expense.



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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John F. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 10th day of October, 1908, 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 subdivision lines of Tp. 7 N. Rg. 17 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 F. Hesse  
United States Deputy Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }  
this 26th day of November, 1909.



Frank S. Ingalls  
United States Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

The foregoing field notes of the survey of the subdivision lines of Tp. 7 N. Rg. 17 W., Gila and Salt River Base and Meridian, Arizona, 1908, 1910

executed by John F. Hesse, U.S. Deputy Surveyor under his contract No. 150, dated October 10, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and 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.