

Feb 27

Book F BOOK 2236

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Accepted, Letter E.  
Jany. 19, 1912. FEB 6-1911

2236

# FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines of Tp. 9 S. Rg. 19 W.

and retracement of the east boundary of Tp. 9 S. Rg. 19 W.

2236

Pg. 1 E. W.

2236

Of the Gila and Salt River Meridian,  
Territory of Arizona.

AS SURVEYED BY

John F. Hesse, United States Deputy Surveyor, Transitman.

Under his ~~Contract~~ <sup>Grant</sup> No. 1, dated August 25, 1910

Survey commenced December 27, 1910, 19

Survey completed January 8, 1911, 19

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BOOK 2236

NAMES AND DUTIES OF ASSISTANTS.

A. N. Oliver	Chainman
A. E. Lyon	Chainman
J. H. Bates	Moundman
A. E. Beaumont	Axman
T. C. Carroll	Axman
R. A. Coombs	Flagman.

BOOK 2236

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BOOK 2236

PRELIMINARY OATHS OF ASSISTANTS.

WE, A. N. Oliver and A. E. Lyon 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. 9 S. Rg. 19 W. and retracement of the east boundary of Tp. 9 S. Rg. 19 W.

A. N. Oliver, Chainman.
A. E. Lyon, Chainman.

Subscribed and sworn to before me this 19th day of December, 1910., 19



John P. Hesse, U.S. Transitman

WE, I. J. H. Bates 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 the subdivision lines of Tp. 9 S. Rg. 19 W. and retracement of the east boundary of Tp. 9 S. Rg. 19 W.

I. J. H. Bates, Moundman.

Subscribed and sworn to before me this 19th day of December, 1910., 19



John P. Hesse, U.S. Transitman

WE, A. E. Beaumont and T. C. Carroll 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 the subdivision lines of Tp. 9 S. Rg. 19 W. and retracement of the east boundary of Tp. 9 S. Rg. 19 W.

A. E. Beaumont, Axman.
T. C. Carroll, Axman.

Subscribed and sworn to before me this 19th day of December, 1910., 19



John P. Hesse, U.S. Transitman

I, R. A. Coombs, 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. 9 S. Rg. 19 W. and retracement of the east boundary of Tp. 9 S. Rg. 19 W.

R. A. Coombs, Flagman.

Subscribed and sworn to before me this 19th day of December, 1910., 19



John P. Hesse, U.S. Transitman

## Resurvey of the E. bdy. of Tp. 9 S. Rg. 19 W.

Chains.	
	December 27: At 8h. 00m. a.m., l.m.t., I set off $32^{\circ} 41'$ N. on the lat. arc; $23^{\circ} 18'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 8 and 9 S. Rgs. 18 and 19 W. previously described.
	Thence I run
	South bet. secs. 1 and 6
	Over level land through dense brush.
39.99	Fall 33 lks. W. of $\frac{1}{4}$ sec. cor. which is a cement post 6 ins. diam. 3 ft. long, set 7 ins. below top of ground in center of road running E. and W.; marked $\frac{1}{4}$ on top; with a copper nail set in top for exact point for cor. Course of this half mile is S. $0^{\circ} 28'$ E. 39.99 chs.
	Thence from $\frac{1}{4}$ sec. cor. I run South
00.37	Cross fence bears E. and W. and over plowed land.
1.90	N. side of Fraser's house
2.53	S. side of house.
7.35	Cross irrigating ditch 4 lks. wide course W.
7.40	Cross fence bears E. and W.
13.43	Cross irrigating ditch 4 lks. wide course W.
13.20	Cross irrigating ditch 4 lks. wide course W.
13.50	Cross fence bears E. and W.
14.26	Cross telegraph line bears E. and W.
15.04	Cross Southern Pacific Ry. bears E. and W.
15.40	Cross telegraph line bears E. and W.
16.57	Cross fence bears E. and W. and ascend over rolling land through dense brush.
40.04	Fall 33 lks. W. of old cor. which is nearly obliterated I destroy all traces of old cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 1, 6, 7 and 12, marked on brass cap. T98 in N. half R19WS1 in N. W. R18WS6 in N. E. S7 in S. E. and S12 in S. W. quadrant: 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 3 ft. high, W. of cor. No bearings available. Course of this half mile is S. $0^{\circ} 28'$ E. 40.04 chs. Land, level and rolling. Soil; sandy loam; over 3 ft. deep, medium texture, dry; no grass. The N. 23.47 chs. is mixed with gravel. No timber. Undergrowth, mesquite and greasewood.
	South bet. secs. 7 and 12
	Over nearly level land through dense brush
39.95	Fall 36 lks. W. of old $\frac{1}{4}$ sec. cor. which is nearly obliterated, I destroy this old cor. and reestablish it in the same place as follows: 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 S12 in W. and S7 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. No bearings available. Course of this half mile is S. $0^{\circ} 31'$ E. 39.95 chs.
	Thence from $\frac{1}{4}$ sec. cor. I run South.
3.20	Cross wash 25 lks. wide course N. W.
40.02	Fall 33 lks. W. of old cor. which is nearly obliterated. I destroy all traces of the old cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked on brass cap T98 in N. half R19WS12 in N. W. R18WS7 in N. E. S18 in S. E. and

## Resurvey of the E. bdy. of Tp. 9 S. Rg. 19 W.

- Chains. S13 in S. W. quadrant; dig pits 18 x 18 x 13 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. No bearings available. Land, nearly level. Soil, sandy loam mixed with rocks; medium texture, dry; No grass. No timber. Undergrowth mesquite and greasewood. Course of this half mile is S.  $0^{\circ} 28'$  E. 40.03 chs.
- 
- South bet. secs. 13 and 18  
Over level land, through dense brush.  
39.97 Fall 30 lks. W. of old  $\frac{1}{4}$  sec. cor. which is nearly obliterated. I destroy this cor. and reestablish it in the same place as follows: 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  $\frac{1}{4}$  S13 in W. and S18 in E. half; dig pits 18 x 18 x 13 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available. Course of this half mile is S.  $0^{\circ} 26'$  E. 39.97 chs. Thence from  $\frac{1}{4}$  sec. cor. I run South.
- 40.01 Fall 35 lks. W. of old sec. cor. which is nearly obliterated. I destroy this cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24, marked on brass cap  
T9S in N. half  
R10WS13 in N. W.  
R18WS18 in N. E.  
S19 in S. E. and  
S24 in S. W. quadrant; dig pits 18 x 18 x 13 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. No bearings available. (Co. of Land, level. this half mile S.  $0^{\circ} 30'$  E.)  
Soil, sandy loam, over 2 ft. deep, fine texture, dry; no grass. No timber. Undergrowth, greasewood and chico. December 27: At this cor. I set off  $23^{\circ} 19\frac{1}{2}' S$  on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $32^{\circ} 38'$  N. ✓
- 
- South bet. secs. 19 and 24  
Over level land through dense brush.  
39.96 Fall 33 lks. W. of old  $\frac{1}{4}$  sec. cor., which is nearly obliterated. I destroy old cor. and reestablish it in the same place as follows: 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 W. and S19 in E. half; dig pits 18 x 18 x 13 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available. Course of this half mile is S.  $0^{\circ} 28'$  E. 39.96 chs. Thence from  $\frac{1}{4}$  sec. cor. I run South
- 39.98 Fall 32 lks. W. of old cor. which is nearly obliterated I destroy old cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 19, 24, 25 and 30 marked on brass cap  
T9S in N. half  
R19WS24 in N. W.  
R18WS19 in N. E.  
S30 in S. E. and  
S25 in S. W. quadrant; dig pits 18 x 18 x 13 ins. in

## Resurvey of the E. bdy. of Tp. 9 S. Rg. 19 W.

Chains.

each sec.  $5\frac{1}{2}$  ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. No bearings available. Course of this half mile is S.  $0^{\circ} 28'$  E. 29.98 chs. Land, level. Soil, rich sandy loam, over 3 ft. deep, fine texture, dry, no grass. No timber. Undergrowth, greasewood and chico.

40.05 South bet. secs. 25 and 30  
Over level land through dense brush  
Fall 33 lks. W. of old cor. which is nearly obliterated I destroy the old cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S25 in W. and S30 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
Course of this half mile is S.  $0^{\circ} 28'$  E. 40.05 chs.

39.99 Thence from  $\frac{1}{4}$  sec. cor. I run South  
Fall 32 lks. W. of old cor. which is nearly obliterated I destroy old cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in the ground for cor. of secs. 25, 30, 31 and 36, marked on brass cap  
T9S in N. half Course of this half mile S.  $0^{\circ} 28'$  E.  
R19WS25 in N. W.  
R12WS30 in N. E.  
S31 in S. E. and  
S36 in S. W. quadrant; 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. No bearings available. Land, level. Soil, rich sandy loam, medium texture, dry; no grass No timber. Undergrowth, greasewood and chico.

40.06 South bet. secs. 31 and 36  
Over level land through dense brush.  
Fall 32 lks. W. of old cor. which is nearly obliterated I destroy old cor. and reestablish it in the same place as follows; 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  $\frac{1}{4}$  S36 in W. and S31 in E. half; dig pits 18 x 18 x 12 ins N. and S. of post 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available  
Course of this half mile is S.  $0^{\circ} 24'$  E. 40.06 chs.  
Thence from  $\frac{1}{4}$  sec. cor. I run South.

10.50 Ascend low granite hills.  
20.00 Ridge bears E. and W. descend.  
26.00 Over level land.  
29.00 Cross wash 100 lks. wide course N. E.  
40.02 Fall 10 lks. W. of old cor. which is nearly obliterated I destroy old cor. and reestablish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in the ground for standard cor. of Tps. 9 S. Rgs. 18 and 19 W., marked on brass cap  
T9S in N. half  
R19WS36 in N. W. and  
R18WS31 in N. E. quadrant; dig pits 30 x 24 x 12 ins. crosswise on each line E. and W. of post 4 ft. dist. and N. of post 8 ft. dist., and raise a mound of earth 5 ft. base  $2\frac{1}{2}$  ft. high N. of cor. No bearings available.  
Course of this half mile is S.  $0^{\circ} 09'$  E. 40.02 chs.

Chains

Land, level.  
Soil, sandy loam, medium texture, dry; no grass; except  
portion over hills which is rocky and worthless.  
No timber.  
Undergrowth, greasewood and chico.

December 27, 1910.



## Subdivision of Tp. 9 S. Rg. 19 W.

Chains. Survey commenced December 28, 1910, and executed with an A. Lietz Co. light mountain transit, No. 5631, 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 and approved by the supervising surveyor 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 my camp which is located near the center of Tr. 9 S. Rg. 19 W.; latitude  $32^{\circ} 38' 14''$  N.; longitude  $114^{\circ} 10' 33''$  W.; At 7h. 15m. a.m., l.m.t., I set off  $32^{\circ} 38' N.$  on the lat. arc;  $23^{\circ} 08' S.$  on the decl. arc; and at my station at the S. end of the meridian established December 20, by observation of Polaris at western elongation, determine a meridian with the solar and mark a point thereof on a stone set December 19, 5 chs. N. of my station. This mark falls 0.4 ins. W. of the meridian. At 4h. 45m. p.m., l.m.t., I set off  $32^{\circ} 38' N.$  on the lat. arc;  $23^{\circ} 06\frac{1}{2}' S.$  on the decl. arc; and determine with the solar a meridian at my station at the S. end of the meridian established December 20, by observation of Polaris at western elongation, and mark a point thereof by cutting a small groove in the stone set December 19, this mark falls 0.3 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m., and a.m., observations, defines positions for meridians, respectively about  $0' 21''$  west and  $0' 16''$  east of the meridian established by the Polaris observations: therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7h. 30m. a.m., is N.  $14^{\circ} 30'$  W.; the angle thus determined gives the mag. decl.  $14^{\circ} 30'$  E.

At 8h. 00m. a.m., l.m.t., I set off  $32^{\circ} 35\frac{1}{2}' N.$  on the lat. arc;  $23^{\circ} 15\frac{1}{2}' S.$  on the decl. arc; and determine a meridian with the solar at the standar cor. of secs. 35 and 36 on the S. bdy. of the township

Thence I run

North bet. secs 35 and 36 on a sectional guide meridian. Over level land through dense 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  $\frac{1}{4}$ S35 in W. and S36 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.

43.00 Ascend rocky hills.

61.00 Top high rocky point. Descend.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 34 ins. in the ground for cor. of secs. 25, 26 35 and 36, marked on brass cap

T9SR19W in N. 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 3 ft base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available. Pits impracticable.

Land, level and mountainous.

Soil, rocky and sandy; 1st. and 4th. rate.

S. 43.00 chs. level valley land; soil, gravelly loam; coarse texture, dry; no grass; N. 37.00 chs. rocky hills. soil, rocks, worthless. no grass.

No timber.

## Subdivision of Tp. 9 S. Rg. 19 W.

Chains.	Undergrowth, greasewood, chico and ironwood.
	East on a random line bet. secs. 25 and 36
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs. 25, 30, 31 and 36
	Thence I run
	N. 89° 59' W. on a true line bet. secs. 25 and 36
33.80	Over level land through dense brush.
	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 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, N. of cor. No bearings available.
41.00	Cross wash 75 lks. wide course N.
44.30	Ascend rough rocky hills.
61.25	Cross wash 20 lks. wide course N.
75.00	Cross wash 15 lks. wide course N.
77.75	Ridge bears N. and S. descend.
79.80	The cor. of secs. 25, 26, 35 and 36
	Land, level and mountainous.
	Soil, sandy and rocky; 1st. and 4th. rate.
	E. 44.30 chs. level valley land; soil, sandy loam; coarse texture, dry; no grass; W. 75.50 chs. rocky hills; soil rocks; no grass.
	No timber.
	Undergrowth, greasewood, chico, palo verde and ironwood.
	North on sectional guide meridian bet. secs. 25 and 26
	Descending over granite hills, through dense brush.
13.00	Over 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 $\frac{1}{4}$ s26 in W. and S25 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, W. of cor. No bearings available.
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
	T9sR19W in N. half;
	S23 in N. W.
	S24 in N. E.
	S25 in S. E. and
	S26 in S. W. quadrant; 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. No bearings available.
	Land, level and mountainous.
	Soil, sandy and rocky; 1st. and 4th. rate.
	N. 68.00 chs.; level valley land; soil, sandy loam; medium texture, dry; no grass. S. 13.00 chs. Rocky hills; soil, rocks; worthless; no grass.
	No timber.
	Undergrowth; Greasewood, chico, palo verde and ironwood.
	December 28: At this cor. I set off 23° 17' S. on the decl. arc; and observe the sun on the meridian at noon: the resulting lat. is 32° 37 $\frac{1}{2}$ ' N. ✓
	S. 89° 59' E. on a random line bet. secs. 24 and 25
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.13	Intersect E. bdy. of Tp. 3 lks. S. of the cor. of secs. 19, 24, 25 and 30
	Thence I run
	S. 89° 57' W. on a true line bet. secs. 24 and 25

Subdivision of Tp. 9 S. Rg. 19 W.

Chains  
 39.13 Over level land through dense brush.  
 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S24 in N. and S25 in S. half; dig pits 18 x 18 x 18 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.  
 79.13 The cor. of secs. 23, 24, 25 and 26.  
 Land, level.  
 Soil, sandy loam; 1st. rate.  
 Level valley land; soil sandy loam, medium texture, dry; No grass.  
 No timber.  
 Undergrowth, greasewood and chico.

40.00 North on sectional guide meridian bet. secs. 23 and 24  
 Over level land through dense brush.  
 Set an iron post 3 ft. long 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S25 on W. and S24 in E. half; on brass cap; dig pits 18 x 18 x 18 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
 80.00 Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap  
 T9sR19W in N. half;  
 S14 in N. W.  
 S13 in N. E.  
 S24 in S. E. and  
 S23 in S. W. quadrant; dig pits 18 x 18 x 18 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. No bearings available.  
 Land, level.  
 Soil; sandy; 1st. rate.  
 Level valley land, soil sandy loam; medium texture, dry; no grass.  
 No timber.  
 Undergrowth, greasewood, chico.

40.00 N.  $89^{\circ} 57'$  E. on a random line bet. secs. 13 and 24  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.35 Intersect E. hdy. of Tp. 5 lks. N. of the cor. of secs. 13, 18, 19 and 24,  
 Thence I run  
 S.  $89^{\circ} 59'$  W. on a true line bet. secs. 13 and 24  
 Over level land through dense brush.  
 38.35 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap,  $\frac{1}{4}$  S13 in N. and S24 in S. quadrant; dig pits 18 x 18 x 18 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available  
 78.35 The cor. of secs. 13, 14, 23 and 24.  
 Land, level.  
 Soil; sandy; 1st. rate.  
 Level valley land; soil, sandy loam, medium texture, dry; no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

December, 28, 1910.

December 29: At 8h. 00m. a.m., l.m.t., I set off  $32^{\circ} 39'$  N. on The lat. arc;  $23^{\circ} 12\frac{1}{2}'$  S. on the decl. arc; and determine a meridian with the solar at the cor. of

## Subdivision of Tp. 9 S. Rgl 19 W.

Chains.	secs. 13, 14, 23 and 24 Thence I run North on sectional guide meridian bet secs. 13 and 14 Over level land through dense brush.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., mkd. on brass cap $\frac{1}{4}$ S14 in W. and S13 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. No bearings available.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked on brass cap T9SR19W in N. half; S11 in N. W. S12 in N. E. S13 in S. E. and S14 in S. W. quadrant; 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. No bearings available. Land level. Soil; sandy, 1st. rate. Level valley land; soil sandy loam, medium texture, dry; no grass. No timber. Undergrowth, greasewood and chico.
40.00	N. $89^{\circ} 59'$ E. on a random line bet. secs. 12 and 13 Set temp. $\frac{1}{4}$ sec. cor.
77.69	Intersect E. bdy. of Tp. 7 lks. N. of the cor. of secs. 7, 12, 13 and 18. Thence I run N. $89^{\circ} 58'$ W. on a true line bet. secs. 12 and 13 Over level land through dense brush.
37.69	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, $\frac{1}{4}$ S12 in N. and S13 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor. No bearings available.
77.69	The cor. of secs. 11, 12, 13 and 14. Land, level. -- Soil, sandy; 1st. rate. Level valley land; soil sandy loam, medium texture, dry; no grass. No timber. Undergrowth, greasewood and chico.
40.00	North on a sectional guide meridian bet. secs. 11 and 12 Over level land through dense brush 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 $\frac{1}{4}$ S11 in W. and S12 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor. No bearings available.
75.22	Cross fence bears E. and W.
76.04	Telegraph line bears E. and W.
76.80	Cross Southern Pacific Ry. bears E. and W.
77.60	Telegraph line bears E. and W.
78.32	Cross fence bears E. and W.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, marked on brass cap T9SR19W in N. half; S2 in N. W. S1 in N. E. S12 in S. E. and

Subdivision of Twp. 9 S., R. 19 W.

Chains. S11 in S. W. quadrant; 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. No bearings available.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land, soil, rich sandy loam; fine texture; dry; no grass.  
 No timber.  
 Undergrowth, greasewood, mesquite and chico. ✓  
 December 29: At this cor. I set off 23° 14' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 40' N. ✓

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40.00 S. 89° 58' E. on a random line bet. secs. 1 and 12  
 77.08 Set temp. 1/4 sec. cor.  
 Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs. 1, 6, 7 and 12  
 Thence I run  
 37.08 N. 89° 57' W. on a true line bet. secs. 1 and 12  
 Over rolling land through dense brush.  
 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., mkd. on brass cap 1/4 S1 in N. and S12 ins. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. No bearings available.  
 51.23 W. E. McKee's house bears N. 0° 08' E.  
 61.74 Cross fence bears N. E. and S. W.  
 65.08 telegraph line bears N. E. and S. W.  
 65.21 Cross Southern Pacific Ry. bears N. E. and S. W.  
 67.28 Telegraph line bears N. E. and S. W.  
 70.60 Cross fence bears N. E. and S. W.  
 77.08 The cor. of secs. 1, 2, 11 and 12.  
 Land, rolling.  
 Soil, sandy; 1st. rate.  
 Rolling valley land; soil sandy loam; medium texture; dry; no grass.  
 No timber.  
 Undergrowth; mesquite, greasewood and chico.

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39.00 North on sectional guide meridian bet. secs. 1 and 2  
 39.20 Over level land through dense brush  
 Cross fence bears E. and W.  
 40.00 Cross road bears E. and W.  
 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S2 on W. and S1 in E. half; from which  
 A mesquite 14 ins. diam., bears N. 78 1/2° E. 113 lks. dist., marked 1/4 S1BT.  
 No other bearings available. Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.  
 80.04 From this cor. W. E. McKee's house bears S. 48° 22' E.  
 Intersect N. bdy. of Tp. 363 lks. N. 89° 59' E. of the cor. of secs. 35 and 36 and set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 1 and 2, marked on brass cap  
 CC S. of center  
 T8SS35S36 in N.  
 T9S in S. and  
 R19W in W. half;  
 S1 in S. E. and S2 in S. W. quadrant; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and S. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, S. of cor. No bearings available.  
 Land, level.

Subdivision of Tp. 9 S. Rg. 19 W.

Chains. Soil, sandy loam; 1st. rate.  
 Level valley land, soil, sandy loam, fine texture, rich,  
 dry; no grass.  
 Undergrowth, mesquite and chico.

December 29, 1910.

December 30: At 8h. 00m. a.m., l.m.t., I set off  $33^{\circ} 35'$   
 $2'$  N. on The lat. arc;  $23^{\circ} 09'$  S. on the decl. arc; and  
 determine a meridian with the solar at the cor. of secs.  
 34 and 35 on S. bdy. of Tp.

Thence I run

N.  $0^{\circ} 01'$  W. bet. secs. 34 and 35

Over level land through dense brush.

40.00 Set an iron post 3 ft. long 1 in. diam., 36 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S34 in W.  
 and S35 in E. half; Dig pits 18 x 18 x 12 ins. N. and S.  
 of post 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.

69.75 Cross road bears N. W. and S. E.

80.00 Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the  
 ground for cor. of secs. 26, 27, 34 and 35, marked on  
 brass cap

T9SR19W in N half;

S27 in N. W.

S26 in N. E.

S35 in S. E. and

S34 in S. W. quadrant; 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. No bearings available.

Land, level.

Soil, sandy; 1st. rate.

Level valley land; soil, sandy loam, medium texture dry;  
no grass.

No timber.

Undergrowth, greasewood and chico.

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

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

79.98 Intersect N. and S. line at the cor. of secs. 26, 27, 35  
 and 36.

Thence I run

West on a true line bet. secs. 26 and 35

Along rough rocky, broken N. slope of hills.

14.90 Cross wash 70 lks. wide course N.

28.50 Over level land through dense brush.

39.99 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S36 in N.  
 and S35 in S. half; dig pits 18 x 18 x 12 ins. E. and W.  
 of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.

79.98 The cor. of secs. 26, 27, 34 and 35.

Land, level and mountainous.

Soil, rocky and sandy; 1st. and 4th. rate.

E. 28.50 chs. Rough broken N. slope of hills, soil, rocks  
 worthless; no grass. W. 51.48 chs. level valley land;  
 soil, sandy loam; medium texture, dry; no grass.

No timber.

Undergrowth, greasewood, chico, paloverde and ironwood.

N.  $0^{\circ} 01'$  W. bet. secs. 26 and 27

Over level land through dense brush.

40.00 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the

Subdivision of T<sub>1</sub>. 9 S. R<sub>1</sub>. 19 W.

Chains. ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S27 in W. and S26 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 22, 23, 26, and 27, marked on brass cap T9SR19W on N. half;

S22 in N. W.  
 S23 in N. E.  
 S26 in S. E. and  
 S27 in S. W. quadrant; 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. No bearings available.

Land, level.  
 Soil; gravelly; 1st. rate.  
 Level valley land; soil, gravelly loam; medium texture; dry, no grass.  
 No timber.  
 Undergrowth, greasewood and chico.  
 December 30; At this cor. I set off  $33^{\circ} 10\frac{1}{2}'$  S. on the decl. arc; and observe the sun on the meridian at noon: the resulting lat. is  $32^{\circ} 37\frac{1}{2}'$  N.

40.00 East on a random line bet. secs. 23 and 26

79.92 Set temp.  $\frac{1}{4}$  sec. cor.,  
 Intersect N. and S. line 7 lks. S. of the cor. of secs. 23, 24, 25, and 26.

Thence I run

39.96 S.  $89^{\circ} 57'$  W. on a true line bet. secs. 23 and 26  
 Over level land through dense brush.

79.92 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. mkd. on brass cap  $\frac{1}{4}$ S23 in N. and S26 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.

The cor. of secs. 22, 23, 26, and 27.  
 Land, level.  
 Soil; sandy; 1st. rate.  
 Level valley land; soil sandy loam; medium texture, dry; no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

40.00 N.  $0^{\circ} 01'$  W. bet. secs. 22 and 23.  
 Over level land through dense brush.

80.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd. on brass cap  $\frac{1}{4}$ S22 on W. a and S23 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked on brass cap T9SR19W in N. half;

S15 in N. W.  
 S14 in N. E.  
 S23 in S. E. and  
 S22 in S. W. quadrant; 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. No bearings available.

Land, level.  
 Soil; gravelly; 1st. rate.  
 Level valley land; soil, gravelly loam; coarse texture; dry; no grass.

## Subdivision of Tp. 9 S. R. 19 W.

Chains. No timber.  
Undergrowth, greasewood and chico.

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40.00 N.  $89^{\circ} 57'$  E. on a random line bet. secs. 14 and 23  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.98 Intersect N. and S. line 2 lks. S. of the cor. of secs.  
13, 14, 23 and 24.  
Thence I run  
39.99 S.  $89^{\circ} 56'$  W. on a true line bet. secs. 14 and 23  
Over level land through dense brush  
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  $\frac{1}{4}$  S14 on N.  
and S23 in S. half; dig pits 18 x 18 x 12 ins. E. and W.  
of post, 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.  
79.98 The cor. of secs. 14, 15, 22 and 23.  
Land, level.  
Soil; sandy; 1st. rate.  
Level valley land, soil, sandy loam; medium texture, dry;  
no grass.  
No timber.  
Undergrowth, greasewood and chico.

December 30, 1910.

December 31: At 8h. 00m. a.m., l.m.t., I set off  $32^{\circ} 38'$   
N. on the lat. arc;  $23^{\circ} 05'$  S. on the decl. arc; and  
determine a meridian with the solar at the cor. of secs.  
14, 15, 22 and 23

Thence I run

40.00 N.  $0^{\circ} 01'$  W. bet. secs. 14 and 15  
Over level land through dense brush.  
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  $\frac{1}{4}$  S15 in W.  
and S14 in E. half; dig pits 18 x 18 x 12 ins. N. and S.  
of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. b  
base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
80.00 Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the  
ground for cor. of secs. 10, 11, 14 and 15, marked on  
brass cap  
T9SR19W in N. half;  
S10 in N. W.  
S11 in N. E.  
S14 in S. E. and  
S. 15 in S. W. quadrant; 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. No bearings available.  
Land, level.  
Soil, gravelly 2nd. rate.  
Level valley land; soil sandy loam mixed with gravel;  
medium texture, dry; no grass.  
No timber.  
Undergrowth, greasewood and chico.

N.  $89^{\circ} 56'$  E. on a random line bet. secs. 11 and 14

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect N. and S. line 7 lks. N. of the cor. of secs.  
11, 12, 13, and 14.  
Thence I run  
40.01 S.  $89^{\circ} 59'$  W. on a true line bet. secs. 11 and 14  
Over level land through dense brush.  
Set an iron post 3 ft. long 1 in. diam., 26 ins. in the



## Subdivision of Tp. 9 S. Rg. 19 W.

- Chains. ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S11 in N. and S14 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.
- 80.02 The cor. of secs. 10, 11, 14, and 15.  
Land, level.  
Soil, sandy; 1st. rate.  
Level valley land, Soil, sandy loam, medium texture, dry no grass.  
No timber.  
Undergrowth, greasewood and chico.
- 
- N.  $0^{\circ} 01'$  W. bet. secs. 10 and 11.  
Over level land through dense 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  $\frac{1}{4}$  S10 in W. and S11 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.
- 67.22 Cross fence bears E. and W.  
68.06 Telegraph line bears E. and W.  
68.71 Cross Southern Pacific Ry. bears E. and W.  
69.22 Telegraph line bears E. and W.  
70.24 Cross fence bears E. and W.  
76.68 Cross road bears E. and W.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap  
T9SR19W in N. half;  
S3 in N. W.  
S2 in N. E.  
S11 in S. E. and  
S10 in S. W. quadrant; 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. No bearings available.  
Land, level.  
Soil, sandy; 1st. rate.  
Level valley land, soil sandy loam; medium texture; dry; no grass.  
No timber.  
Undergrowth, greasewood, mesquite and chico. ✓  
December 31: At this cor. I set off  $23^{\circ} 06\frac{1}{2}'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $32^{\circ} 40'$  N. ✓
- 
- N.  $89^{\circ} 59'$  E. on a random line bet. secs. 2 and 11
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.06 Intersect N. and S. line 5 lks. N. of the cor. of secs. 1, 2, 11 and 12,  
Thence I run  
N.  $89^{\circ} 59'$  W. on a true line bet. secs. 2 and 11  
Over level land through dense brush.
- 40.03 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  $\frac{1}{4}$  S3 in N. and S 11 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.
- 44.00 Cross fence bears N. and S.  
68.00 Cross road bears N. E. and S. W.  
80.06 The cor. of secs. 2, 3, 10 and 11.  
Land, level.  
Soil, sandy; 1st. rate.  
Level valley land, soil, sandy loam; medium texture; dry; no grass.  
No timber.

Subdivision of Tp. 9 S. Rg. 19 W.

Chains. Undergrowth, mesquite, greasewood, and chico.

N. 0° 01' W. bet. secs. 2 and 3  
 Over level land through dense brush.  
 37.98 Cross fence bears E. and W.  
 38.03 Cross road bears E. and W.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S3 in W  
 and S2 in E. half; dig pits 18 x 18 x 12 ins. N. and S.  
 of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
 80.08 Intersect N. bdy. of Tp. 366 lks. N. 89° 59' E. of the  
 cor. of secs. 34 and 35 and set an iron post 3 ins. diam.  
 3 ft. long, 24 ins. in the ground for closing cor. of  
 secs. 2 and 3, marked on brass cap  
 CC S. of center  
 T8SS34S35 in N.  
 T9S in S.  
 R19W in W. half;  
 S2 in S. E. and  
 S3 in S. W. quadrant; dig pits 24 x 18 x 12 ins. crosswise  
 on each line, E. and W. 3 ft. and S. of post 7 ft. dist.  
 and raise a mound of earth 4 ft. base 2 ft. high, S. of  
 cor. No bearings available.  
 Land, level.  
 Soil, sandy loam; 1st. rate.  
 Level valley land; soil, rich sandy loam; fine texture  
 dry; no grass.  
 No timber.  
 Undergrowth, mesquite and salt brush.

December 31, 1910.

January 1: At 8h. 00m. a.m., l.m.t., I set off 32° 35 $\frac{1}{2}$ '  
 N on the lat. arc; 33° 00 $\frac{1}{2}$ ' S. on the decl. arc; and  
 determine a meridian with the solar at the standard cor.  
 of secs. 33 and 34 on the S. bdy. of the Tp.

Thence I run

N. 0° 01' W. bet. secs. 33 and 34  
 Over level land through dense 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  $\frac{1}{4}$  S33 on  
 W. and S 34 in E. half; dig pits 18 x 18 x 12 ins. N.  
 and S. of post, 3 ft. dist., and raise a mound of earth  
 $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high W. of cor. No bearings avail-  
 able.  
 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  
 T9SR19W in N. half;  
 S22 in N. W.  
 S27 in N. E.  
 S34 in S. E. and  
 S33 in S. W. quadrant; 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. No bearings available.  
 Land, level.  
 Soil, rocky; 3rd. rate.  
 Level valley land; soil rocky; no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

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

## Subdivision of Tp. 9 S. Rg. 19 W.

Chains.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line 3 lks. N. of the cor. of secs. 26, 27, 34 and 35. Thence I run N. $89^{\circ} 59'$ W. on a true line bet. secs. 27 and 34 Over level land through dense brush.
s. o. 39.00	Ascend E. slope.
40.03	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 in S. half; and raise a mound of stone 3 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. No bearings available.
43.00	Ridge bears N. and S. descend.
53.50	Over level land.
80.06	The cor. of secs. 27, 28, 33 and 34. Land, level and mountainous. Soil, sandy and rocky; 1st. and 4th. rate. Level valley land; soil, sandy loam, medium texture; dry, except over mountain ridge where soil is rocky and worthless; no grass. No timber. Undergrowth, greasewood and chico.
	<hr/>
	N. $09^{\circ} 01'$ W. bet. secs. 27 and 28. Over level land, through dense 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 $\frac{1}{4}$ S28 in W. and S27 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. No bearings available.
43.00	Cross road bears N. W. and S. E.
80.00	Set an iron post 3 ft. long, 2 in. diam., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked on brass cap T9SR19W in N. half; S21 in N. W. S22 in N. E. S27 in S. E. and S28 in S. W. quadrant; 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 3 ft. high, W. of cor. No bearings available. Land, level. Soil, sandy; 1st. rate. Level valley land; soil, sandy loam; medium texture; dry; no grass. No timber. Undergrowth greasewood and chico. January 1: At this cor. I set off $23^{\circ} 02'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 37\frac{1}{2}'$ N. ✓
	<hr/>
	S. $89^{\circ} 59'$ E. on a random line bet. secs. 22 and 27 Over level land through dense brush
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line 5 lks. N. of the cor. of secs. 22, 23, 26 and 27. Thence I run N. $89^{\circ} 57'$ W. on a true line bet. secs. 22 and 27 Over level land through dense brush.
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 $\frac{1}{4}$ S22 in N. and S27 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor. No bearings available.

Chains.  
79.96

The cor. of secs. 21, 22, 27 and 28.  $37^{\circ} 37' 1/2''$  N. on the lat. arc;  $22^{\circ} 55' 1/2''$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28  
Land, level.  
Soil, sandy; 1st. rate.  
Level valley land, soil, sandy loam; medium texture; dry; no grass.  
No timber.  
Undergrowth, greasewood and chico.

January 1, 1911.

January 2; At 8h. 00m. a.m., 1.m.t., I set off  $32^{\circ} 37' 1/2''$  N. on the lat. arc;  $22^{\circ} 55' 1/2''$  S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28

Thence I run

N.  $0^{\circ} 01'$  W. bet. secs. 21 and 22

Over level land through dense brush.

40.00

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $1/4$  sec. cor., marked on brass cap  $1/4$  S21 in W. and S22 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth  $2 1/2$  ft. base  $1 1/2$  ft. high, W. of cor. No bearings available.

30.00

Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22; marked on brass cap

T9SR19W on N. half;

S16 in N. W.

S15 in N. E.

S22 in S. E. and

S21 in S. W. quadrant; dig pits 18x 18 x 12 ins. in each sec.  $5 1/2$  ft. dist., and raise a mound of earth 4 ft. base 3 ft. high, W. of cor. No bearings available.

Land, level.

Soil; sandy and rocky; 1st. and 4th. rate.

S. 48.00 chs. level valley land, soil; sandy loam; medium texture; dry; no grass. N. 32.00 chs. level valley land, soil; rocky; worthless; no grass.

No timber.

Undergrowth, greasewood and chico.

40.00

S.  $89^{\circ} 57'$  E. on a random line bet. secs. 15 and 22 set temp.  $1/4$  sec. cor.

80.02

Intersect N. and S. line 2 lks. S. of the cor. of secs. 14, 15, 22 and 23.

Thence I run

N.  $89^{\circ} 58'$  W. on a true line bet. secs. 15 and 22

Over level land through dense brush

40.01

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $1/4$  sec. cor., marked on brass cap  $1/4$  S15 in N. and S22 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3 1/2$  ft. base  $1 1/2$  ft. high N. of cor. No bearings available.

80.02

The cor. of secs. 15, 16, 21 and 22

Land, level.

Soil, sandy; 1st. rate.

Level valley land, soil, sandy loam, medium texture, dry no grass.

No timber.

Undergrowth, greasewood and chico.

N.  $0^{\circ} 01'$  W. bet. secs. 15 and 16

Over level land through dense brush

## Subdivision of Tr. 9 S. Rg. 19 W.

Chains.	
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 $\frac{1}{4}$ S16 in W. and S15 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. No bearings available.
70.40	Cross wash 50 lks. wide course N. E.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor of secs. 9, 10, 15 and 16, marked on brass cap T9SR10W in N. half; S9 in N. W. S10 in N. E. S15 in S. E. and S16 in S. W. quadrant: from which An ironwood 10 ins. diam., bears S $37\frac{1}{2}^{\circ}$ W. 93 lks. dist., marked T9SR19WS16BT. No other bearings 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 rocky; 1st. and 4th. rate. Level valley land; S. 60.00 chs. soil; rocky; worthless; N. 30.00 chs. soil, sandy loam, medium texture; dry; no grass. No timber. Undergrowth; greasewood and chico. ✓ January 2: At this cor. I set off $22^{\circ} 57'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 39'$ N. ✓
40.00	S. $89^{\circ} 58'$ E. on a random line bet. secs. 10 and 15
79.98	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 7 lks. S. of the cor. of secs. 10, 11, 14, and 15. Thence I run S. $89^{\circ} 59'$ W. on a true line bet. secs. 10 and 15 Over level land through dense brush.
21.20	Cross wash 50 lks. wide course N.
35.50	Cross wash 50 lks. wide course N.
39.99	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 $\frac{1}{4}$ S10 in N. and S15 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor. No bearings available.
75.50	Cross wash 50 lks. wide course N. E.
79.98	The cor. of secs. 9, 10, 15 and 16. Land, level. Soil; sandy; 1st. rate. Level valley land; soil, sandy loam; medium texture; dry; no grass No timber. Undergrowth, greasewood and chico.
40.00	N. $0^{\circ} 01'$ W. bet. secs. 9 and 10 Over level land, through dense brush. Set an iron post 5 ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S9 in W. and S10 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. No bearings available.
56.70	Cross fence bears E. and W.
57.52	Telegraph line bears E. and W.
58.24	Cross Southern Pacific Ry. bears E. and W.
58.88	Telegraph line bears E. and W.

Chains.  
 59.87 Cross fence bears E. and W.  
 75.86 Cross road bears E. and W.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked on brass cap  
 T9SR19W in N. half;  
 S4 in N. W.  
 S3 in N. E.  
 S10 in S. E. and  
 S9 in S. W. quadrant; 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. No bearings available.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land; soil, sandy loam; medium texture; dry; no grass.  
 No timber.  
 Undergrowth, mesquite, graesewood and chico.

40.00 N. 89° 59' E. on a random line bet. secs. 3 and 10  
 Set temp. 1/4 sec. cor.  
 79.96 Intersect N. and S. line 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.  
 Thence I run  
 West bet. secs. 3 and 10  
 Over level land through dense brush.  
 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S3 in N. and S10 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. No bearings available.  
 79.96 The cor. of secs. 3, 4, 9 and 10.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land; soil, sandy loam; fine texture; dry; no grass.  
 No timber.  
 Undergrowth, mesquite, salt and chico.

January 3, 1911.

January 7, 1911  
 N. 0° 01' W. bet. secs. 3 and 4  
 Over level land through dense brush.  
 35.15 Cross road bears E. and W.  
 37.48 Cross fence bears E. and W.  
 38.90 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for WC 1/4 sec. cor. marked on brass cap WC 1/4 in N. half, S3 in S. E. and S4 in S. W. quadrant; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor. No bearings available.  
 40.00 Cross slough 50 lks. wide course N. W. Cannot set cor.  
 80.02 Intersect N. bdy. of Tp. 363 lks. N. 89° 59' E. of the cor. of secs. 33 and 34 and set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 3 and 4, marked on brass cap  
 CC S. of center  
 T8SS33S34 in N.  
 T9S in S.  
 R19W in W. half;  
 S3 in S. E. and  
 S4 in S. W. quadrant; dig pits 24 x 18 x 12 ins. cross-wise on each line, E. and W. 3 ft. and S. of post 7 ft. dist. and raise a mound of earth 4 ft. base 3 ft. high,

Subdivision of T<sub>1</sub> 9 S. R<sub>1</sub> 19 W.

Chains. S. of cor. No bearings available.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land; soil sandy loam; fine texture; dry;  
 no grass.  
 No timber.  
 Undergrowth, mesquite salt and chico.

January 7, 1911.

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January 3: At 8h. 00m. a.m., l.m.t., I set off 32° 35' N. on the lat. arc; 22° 50' S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33 on the S. bdy. of the T<sub>1</sub>.  
 Thence I run  
 N. 0° 02' W. bet. secs. 32 and 33  
 Over level land through dense brush

40.00 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap S32 in W. and S33 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high, W. of cor. No bearings available.

80.00 Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap  
 T9SR19W in N. half;  
 S29 in N. W.  
 S28 in N. E.  
 S33 in S. E. and  
 S32 in S. W. quadrant; 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 3 ft. high W. of cor. No bearings available.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land; soil, sandy loam; medium texture; dry; no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

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40.00 East on a random line bet. secs. 28 and 33  
 Set temp.  $\frac{1}{4}$  sec. cor.

80.12 Intersect N. and S. line 14 lks. S. of the cor. of secs. 27, 28, 32 and 34  
 Thence I run  
 S. 89° 54' W. on a true line bet. secs. 28 and 33  
 Over level land through dense brush

39.50 Cross wash 100 lks. wide course N.

40.06 Point for  $\frac{1}{4}$  sec. cor. falls in wash so at

41.00 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for witness  $\frac{1}{4}$  sec. cor., marked on brass cap WC $\frac{1}{4}$  in E. half, S28 in N. W. and S33 in S. W. quadrant; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high, N. of cor. No bearings available.

80.12 The cor. of secs. 28, 29, 32 and 33.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Nevel valley land; soil, snady loam; medium texture; dry; no grass.  
 No timber.  
 Undergrowth; greasewood and chico.

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N. 0° 02' W. bet. secs. 28 and 29.

Subdivision of T<sub>9</sub> S. R<sub>g</sub>. 19 W.

Chains. Over level land through dense brush  
40.00 Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S29 in W. and S28 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 4 ft. base 3 ft. high, W. of cor. No bearings available.  
80.00 Set an iron post 3 ft. long 3 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap T9SR19W in N. half; S20 in N. W. S21 in N. E. S28 in S. E. and S29 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. 5 ft. dist. and raise a mound of earth 4 ft. base 3 ft. high, W. of cor. No bearings available. Land, level. Soil, rocky and sandy; 1st. and 4th. rate. Level valley land; S. 65.00 chs. soil; thin and rocky; N. 15.00 chs. soil, sandy loam, medium texture; dry; no grass. No timber. Undergrowth, greasewood and chico. January 3; At this cor. I set off 33° 51 $\frac{1}{2}$ ' S. on the decl. arc; and observe the sun on the meridian at noon: the resulting lat. is 32° 37 $\frac{1}{2}$ ' N. ✓

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N. 89° 54' E. on a random line bet. secs. 21 and 28  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect N. and S. line 2 lks. N. of the cor. of secs. 21, 22, 27 and 28. Thence I run S. 89° 55' W. bet. secs. 21 and 28  
39.00 Over level land through dense brush.  
39.96 Cross wash 75 lks. wide course N. Set an iron post 3 ft. long 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S31 in N. and S28 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high, N. of cor. No bearings available.  
48.00 Cross road bears N. W. and S. E.  
79.92 The cor. of secs. 20, 21, 28 and 29. Land, level. Soil, rocky and sandy; 1st. and 4th. rate. Level valley land; W. 59.92 chs. soil, rocky and poor; E. 20.00 chs. soil, sandy loam; medium texture, dry; no grass. No timber. Undergrowth, greasewood and chico.

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N. 0° 02' W. bet. secs. 20 and 21  
32.60 Over level land through dense brush.  
40.00 Cross road bears N. W. and S. E. Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$ S20 in W. and S21 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap T9SR19W in N. half; S17 in N. W. S16 in N. E. S21 in S. E. and



Subdivision of Tr. 9 S. Rg. 19 W.

Chains. S20 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor. No bearings available. Land, level. Soil, rocky; 4th. rate. Level valley land; soil, rocky and thin; no grass. No timber. Undergrowth, greasewood and chico.

40.00 N. 89° 55' E. on a random line bet. secs. 16 and 21  
 Set temp. 1/4 sec. cor.  
 80.04 Intersect N. and S. line 7 lks. N. of the cor. of secs. 15, 16, 21 and 22.  
 Thence I run  
 S. 89° 58' W. on a true line bet. secs. 16 and 21.  
 Over level land through dense brush.  
 13.00 Cross wash 100 lks. wide course N. and over rolling land.  
 40.02 Point for 1/4 sec. cor. falls in wash 50 lks. wide course N.N.E. so at.  
 40.50 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for witness 1/4 sec. cor., marked on brass cap WC 1/4 in E. half, S16 in N. W. and S21 in S. W. quadrant; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. No bearings available.  
 52.00 Cross wash 50 lks. wide course N.  
 80.04 The cor. of secs. 16, 17, 20 and 21  
 Land, level.  
 Soil, rocky; 4th. rate.  
 Level valley land; soil, poor and rocky; no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

January 3, 1911.

January 4: At Sh. 00m. a.m., 1.p.m., I set off 32° 38' N. on the lat. arc; 22° 44 1/2' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20, and 21.  
 Thence I run  
 N. 0° 02' W. bet. secs. 16 and 17  
 Over rolling land through dense brush.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap S17 in W. and S16 in E. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor. No bearings available.  
 43.50 Cross wash 15 lks. wide course N. E.  
 62.00 Cross wash 15 lks. wide course N. E.  
 75.00 Cross wash 15 lks. wide course N. E.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap  
 T9SR19W in N. half;  
 S8 in N. W.  
 S9 in N. E.  
 S16 in S. E. and  
 S17 in S. W. quadrants; and raise a mound of stone 3 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable. No bearings available.  
 Land, rolling.  
 Soil, rocky; 4th. rate.  
 Rolling valley land, soil, rocky and poor; no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

Subdivision of Tn. 9 S. R. 19 W.

Chains.

40.00 N. 89° 58' E. on a random line bet. secs. 9 and 16  
Set temp.  $\frac{1}{4}$  sec. cor.

80.06 Intersect N. and S. line 7 lks. N. of the cor. of secs. 9, 10, 15 and 16  
Thence I run  
N. 89° 59' W. on a true line bet. secs. 9 and 16  
Over level land through dense brush.

19.00 Cross wash 50 lks. wide course N. E.

40.03 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked on brass car 189 in N. and S16. in S. half; dig pits 18 x 18 x 18 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.

63.50 Cross wash 35 lks. wide course N. E.

70.00 Cross wash 15 lks. wide course N. E.

75.00 Cross wash 10 lks. wide course N. E.

80.06 The cor. of secs. 8, 9, 16 and 17  
Land, level and rolling.  
Soil, sandy and rocky; 1st. and 4th. rate.  
Level valley land; E. 5.00 chs. soil, sandy loam, dry, medium texture. W. 75.06 chs. soil, rocky and poor; no grass.  
No timber.  
Undergrowth, greasewood and chico.

January 4: At this cor. I set off 33° 45' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 39' N.

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N. 0° 02' W. bet. secs. 8 and 9  
Over rolling land through dense brush

27.50 Cross wash 30 lks. wide course E.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass car 188 in W. and S9 in E. half; dig pits 18 x 18 x 18 ins. N. and S. of post 3 ft. dist. and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.

61.54 Cross fence bears E. and W.

63.43 Telegraph line bears E. and W.

63.11 Cross Southern Pacific Ry. bears E. and W.

63.68 Telegraph line bears E. and W.

64.70 Cross fence bears E. and W.

66.00 Road bears E. and W.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked on brass car  
T9SP19W in N. half;  
S5 in N. W.  
S4 in N. E.  
S9 in S. E. and  
S8 in S. W. quadrants; dig pits 18 x 18 x 18 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. No bearings available.  
Land, level and rolling.  
Soil, rocky and sandy; 1st. and 4th. rate.  
S. 64.70 chs. rolling valley land, soil, rocky and poor; no grass; N. 15.30 chs. level valley land, soil, rich sandy loam, fine texture, dry, no grass.  
No timber.  
Undergrowth, greasewood, chico and mesquite.

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40.00 S. 89° 59' E. on a random line bet. secs. 4 and 9  
Set temp.  $\frac{1}{4}$  sec. cor.

72.98 Intersect N. and S. line 5 lks. S. of the cor. of secs.

Subdivision of Twp. 3 S., R. 19 W.

Chains. 3, 4, 9 and 10  
 Thence I run  
 S. 89° 59' W. on a true line bet. secs. 4 and 9  
 Over level land through dense brush.  
 39.99 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  $\frac{1}{4}$  S4 in N.  
 and S9 in S. half; dig pits 18 x 18 x 12 ins. E. and W.  
 of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base 1 $\frac{1}{2}$  ft. high, N. of cor. No bearings available.  
 79.98 The cor. of secs. 4, 5, 8 and 9.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land, soil, rich sandy loam, fine texture,  
 dry; no grass.  
 No timber.  
 Undergrowth, Mesquite, chico and salt brush.  
 January 4, 1911.

January 7  
 N. 0° 02' W. bet. secs. 4 and 5  
 Over level land through dense brush.  
 22.57 Cross road bears N. W. and S. 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  $\frac{1}{4}$  S5 in W.  
 and S4 in E. half; and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base 1 $\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
 79.98 Intersect N. bdy. of Tr. 3.65 obs. N. 89° 59' E. of the  
 cor. of secs. 38 and 35 and set an iron post 3 ft. long,  
 3 ins. diam., 24 ins. in the ground for closing cor. of  
 secs. 4 and 5, marked on brass cap C.C. S. 9 center  
 T8SS32S53 in N.  
 T9S in S.  
 R19W in W. half;  
 S4 in S. E. and  
 S5 in S. W. quadrant; dig pits 24 x 18 x 12 ins. cross  
 wise on each line, E. and W. 3 ft. and S. of post 7 ft.  
 dist. and raise a mound of earth 4 ft. base 2 ft. high,  
 S. of cor. No bearings available.  
 Land, level.  
 Soil, sandy; 1st. rate.  
 Level valley land, soil, rich sandy loam, fine texture,  
 dry; no grass.  
 No timber.  
 Undergrowth, mesquite, salt brush, chico, water mote.  
 January 7, 1911.

January 5: At 8h. com. a.m., l.m.t., I set off 32° 38'  
 N. on the lat. arc; 22° 38' S $\frac{1}{4}$  on the decl. arc; and  
 determine a meridian with the solar at the true point for  
 standard cor. of secs. 31 and 32 on the S. bdy. of the Tr.  
 Thence I run  
 N. 0° 02' W. bet. secs. 31 and 32  
 Over rolling land through dense brush.  
 40.00 Set an iron post 3 ft. long 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor. mkd. on brass cap  $\frac{1}{4}$  S31 in W.  
 and S32 in E. half; dig pits 18 x 18 x 12 ins. N. and S.  
 of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base 1 $\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in  
 the ground for cor. of secs. 29, 30, 31 and 32, marked  
 on brass cap  
 T9SR19W in N. half;  
 S30 in N. W.  
 S29 in N. E.

## Subdivision of Tr. 9 S. Rg. 19 E.

Chains.	S32 in S. E. and S31 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base 3 ft. high, W. of cor. No bearings available. Land, rolling. Soil, rocky and poor; 4th. rate. no grass. No timber. Undergrowth, greasewood and chico.
40.00	Fast on a random line bet. secs. 29 and 32.
79.98	Set temp. ¼ sec. cor., Intersect N. and S. line 5 lks. N. of the cor. of secs. 28, 29, 32 and 33 Thence I run N. 89° 58' W. bet. secs. 29 and 32 on a true line. Over level land through dense brush
36.50	Cross wash 50 lks. wide course N.
39.98	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap S29 in N. and S32 in S. half; and raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. No bearings available. Pits impracticable.
79.98	The cor. of secs. 29, 30, 31 and 32. Land, level. Soil, rocky and sandy; 1st. and 4th. rate. Level valley land; soil; E. 37.50 chs. sandy loam, dry; medium texture; W. 42.48 chs. rocky and poor; no grass. No timber. Undergrowth, greasewood and chico.
40.00	West on a random line bet. secs. 30 and 31
79.92	Set temp. ¼ sec. cor. Intersect W. bdy. of Tr 9 lks. N. of the cor. of secs. 25, 30, 31 and 36 Thence I run N. 89° 36' E. on a true line bet. secs. 30 and 31 Over rolling land through dense brush.
32.50	Cross wash 40 lks. wide course N.
35.00	Ridge bears N. and S.
39.92	Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap S30 in N. and S31 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor. No bearings available.
52.00	Cross wash 50 lks. wide course N. E.
53.20	Ridge bears N. and S.
54.20	Cross wash 30 lks. wide course N. E.
55.75	Cross ridge bears N. and S.
61.08	Cross wash 35 lks. wide course N. W.
65.00	Ridge bears N. and S.
79.92	The cor. of secs. 29, 30, 31 and 32. Land, rolling and hilly. Soil, rocky and poor; 4th. rate. no grass. No timber. Undergrowth, greasewood and chico. January 5: At this cor. I set off 22° 39' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 36½' N.
40.00	N. 0° 02' W. bet. secs. 29 and 30 Over rolling land through dense brush. Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap S30 in W.

## Subdivision of Tp. 9 S. Rg. 19 W.

Chains.	and S29 in E. half; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. No bearings available.
46.00	Cross wash 15 lks. wide course N. E.
80.00	Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap
	T9SP19W in N. half;
	S19 in N. W.
	S20 in N. E.
	S29 in S. E. and
	S30 in S. W. quadrant; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. No bearings available.
	Land, rolling.
	Soil, rocky and poor; 4th. rate; no grass.
	No timber.
	Undergrowth, greasewood and chico.
	<hr/>
	S. 89° 58' E. on a random line bet. secs. 20 and 29
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 9 lks. S. of the cor. of secs. 20, 21, 28 and 29.
	Thence I run
	S. 89° 58' W. on a true line bet. secs. 20 and 29
	Over level land through dense brush.
20.00	Cross wash 50 lks. wide course N. and over rolling land.
40.02	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S20 in N. and S29 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor. No bearings available.
40.75	Cross wash 20 lks. wide course N. E.
56.00	Cross wash 15 lks. wide course N. E.
63.25	Cross wash 15 lks. wide course N. E.
80.04	The cor. of secs. 19, 20, 29 and 30.
	Land, level and rolling.
	Soil, sandy and rocky; 1st. and 4th. rate.
	E. 20.00 chs. level valley land, soil, sandy loam, dry; medium texture, no grass. W. 60.04 chs. rolling land, soil, rocky and poor, no grass.
	No timber.
	Undergrowth, greasewood and chico.
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	S. 89° 56' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
79.95	Intersect W. bdy. of Tp. 9 lks. S. of the cor. of secs. 19, 24, 25 and 30.
	Thence I run
	East on a true line bet. secs. 19 and 30
	Over hilly land through dense brush
26.00	Ridge bears N. and S.
27.30	Cross drain 7 lks. wide course N.
29.00	Ridge bears N. and S.
31.25	Cross wash 15 lks. wide course N.
39.95	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S19 in N. and S30 in S. half; and raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable. No bearings available.
56.00	Enter wash 60 lks. wide bears S. W. and along in same to leave wash course N. E. and ascend pass.
77.20	The cor. of secs. 19, 20, 29 and 30.
79.95	Land, rolling and hilly.
	Soil, rocky and poor; 4th. rate.

## Subdivision of Tr. 9 S. Rg. 19 W.

Chains.	No timber. Undergrowth, greasewood and chico.
	January 5, 1911.
	January 6: At 8h. 00m., a.m., 1.m.t., I set off $33^{\circ} 37\frac{1}{2}'$ N. on the lat. arc; $23^{\circ} 32'$ S. 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. $0^{\circ} 02'$ W. bet. secs. 19 and 20.
	Over rolling land through dense brush.
3.00	Rim of mesa. <b>Descend.</b>
8.70	Enter wash 60 lks. wide bears S. W. and along same
40.00	Point for $\frac{1}{4}$ sec. cor. falls in wash
46.50	Leave wash course N. E.
48.50	Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground for witness $\frac{1}{4}$ sec. cor., marked on brass cap WC $\frac{1}{4}$ in S half; S12 in N. W. and S20 in N. E. quadrants; and raise a mound of stone 3 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. No bearings available.
57.00	Cross wash 10 lks. wide course N. W.
67.50	Cross wash 15 lks. wide course N. W.
80.00	Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap T9SR19W in N. half; S18 in N. W. S17 in N. E. S20 in S. E. and S19 in S. W. quadrant; and raise a mound of stone 3 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. No bearings available. Land, rolling. Soil, rocky and poor; 4th. rate; no grass. No timber. Undergrowth, greasewood and chico.
	N. $89^{\circ} 58'$ E. on a random line bet. secs. 17 and 20
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line 7 lks. N. of the cor. of secs. 16, 17, 20 and 21 Thence I run
	N. $89^{\circ} 59'$ W. on a true line bet. secs. 17 and 20.
	Over level land through dense brush.
15.00	Cross road bears N. W. and S. E.
26.30	Cross wash 15 lks. wide course N. W.
40.01	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S17 in N. and S20 in S. half; and raise a mound of stone 3 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. No bearings available.
53.50	Cross wash 100 lks. wide course N. W. and over rolling land.
69.25	Cross wash 50 lks. wide course N.
80.02	The cor. of secs. 17, 18, 19 and 20. Land, level and rolling. Soil, rocky and poor; 4th. rate. no grass. No timber. Undergrowth, greasewood and chico.
	West on a random line bet. secs. 18 and 19
40:00	Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of Tp. 9 S. Rg. 19 W.

Chains.  
79.83 Intersect W. bdy. of Tp. 12 lks. N. of the cor. of secs. 13, 18, 19 and 24  
Thence I run  
N. 89° 55' E. on a true line bet. secs. 18 and 19.  
Over hilly land through dense brush.  
20.00 Ridge bears N. and S. descend.  
25.00 Cross wash 20 lks. wide course N.  
33.25 Cross wash 30 lks. wide course N.  
38.50 Ridge bears N. and S.  
39.83 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  $\frac{1}{4}$  S18 in N. and S19 in S. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable. No bearings available.  
56.25 Cross wash 30 lks. wide course N.  
71.00 Ridge bears N. and S.  
79.83 The cor. of secs. 17, 18, 19 and 20.  
Land, hilly;  
Soil, rocky and poor; 4th. rate. no grass.  
No timber.  
Undergrowth, greasewood and chico.  
January 6: At this cor. I set off 23° 33 $\frac{1}{2}$ ' S. on the decl. arc; and observe the sun on the meridian at noon: the resulting lat. is 33° 38' N. ✓

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N. 0° 02' W. bet. secs. 17 and 18  
Over level land through dense brush.  
6.75 Descend low mesa and over rolling land.  
26.50 Cross wash 200. lks. wide course N. E.  
40.00 Point for  $\frac{1}{4}$  sec. cor., falls in wash 30 lks. wide course N. E.  
41.50 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for witness  $\frac{1}{4}$  sec. cor., marked on brass cap WC $\frac{1}{4}$  in S. half; S18 in N. W. and S17 in N. E. quadrant; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable. No bearings available.  
71.50 Descend low mesa rim.  
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 7, 8, 17 and 18, marked on brass cap T9SR19W in N. half;  
S7 in N. W.  
S8 in N. E.  
S17 in S. E. and  
S18 in S. W. quadrants; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable. No bearings available.  
Land, rolling and hilly.  
Soil, rocky and poor; 4th. rate.; no grass.  
No timber.  
Undergrowth, greasewood, paloverde, catclaw and ironwood.

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S. 89° 59' E. 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 2 lks. S. of the cor. of secs. 8, 9, 16 and 17.  
Thence I run  
West bet. secs. 8 and 17.  
Over rolling land through dense brush.  
6.50 Cross wash 15 lks. wide course N. W.  
13.25 Cross wash 30 lks. wide course N. W.  
26.00 Cross wash 25 lks. wide course N. W.  
35.00 Cross wash 20 lks. wide course N. W.  
40.04 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap  $\frac{1}{4}$  S8 in N.

Subdivision of Tn. 9 S. Rg. 19 W.

Chains. and S17 in S. half; dig pits 18 x 18 x 18 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. No bearings available.  
 45.90 Cross road bears N. W. and S. E.  
 80.08 The cor. of secs. 7, 8, 17 and 18.  
 Land, rolling.  
 Soil, rocky and poor; 4th. rate. no grass.  
 No timber.  
 Undergrowth, greasewood and chico.

S. 89° 55' W. on a random line bet. secs. 7 and 18  
 40.00 Set temp. 1/4 sec. cor.  
 79.70 Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs. 7, 12, 17, and 18.  
 Thence I run  
 N. 89° 52' E. bet. secs. 7 and 18  
 Over rolling land through dense brush.  
 14.00 Cross wash 100 lks. wide course N. E.  
 39.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for witness 1/4 sec. cor., marked on brass cap W C 1/4 in E. half; S7 in N. W. and S18 in S. W. quadrant; dig pits 18 x 18 x 18 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor. No bearings available.  
 59.70 Point for 1/4 sec. cor. falls in wash 50 lks. wide course N. E.  
 52.00 Cross sandy wash course N.  
 75.00 Leave wash.  
 79.70 The cor. of secs. 7, 8, 17 and 18.  
 Land, rolling and level.  
 Soil, rocky and loose sand; poor; 4th. rate; no grass.  
 No timber.  
 Undergrowth, greasewood, cactlaw, ironwood and chico.

January 6, 1911.

January 7: At 8h. 00m. a.m., l.m.t., I set off 32° 39' N. on the lat. arc; 22° 24 1/2' S. 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° 02' W. bet. secs. 7 and 8  
 Over level land through dense brush.  
 19.00 Ascend rocky ridge.  
 27.00 Ridge bears N. E. and S. W. descend.  
 39.70 Cross wash 10 lks. wide course N. W.  
 40.00 Set an iron post 3 ft. long 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap S7 in W. and S8 in E. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable, No bearings available.  
 49.00 Over level land.  
 63.28 Cross road bears N. W. and S. E.  
 80.00 Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked on brass cap T9SR19W in N. half;  
 S6 in N. W.  
 S5 in N. E.  
 S8 in S. E. and  
 S7 in S. W. quadrants; dig pits 18 x 18 x 18 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. No bearings available.  
 Land, level and mountainous.  
 Soil, sandy and rocky; 1st. and 4th. rate.



## Subdivision of Tp. 9 S. Rg. 19 W.

Chains. S. 49.00 chs. hilly and level land; soil, rocky and poor, no grass; N. 31.00 chs. level valley land; soil, sandy loam, medium texture, dry; no grass.  
No timber.  
Undergrowth, greasewood, chico, catclaw and mesquite.

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40.00 East on a random line bet. secs. 5 and 8  
80.06 Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect N. and S. line 5 lks. N. of the cor. of secs. 4, 5, 8 and 9.  
Thence I run  
N.  $89^{\circ} 58'$  W. on a true line bet. secs. 5 and 8  
40.03 Over level land through dense brush.  
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  $\frac{1}{4}$ S5 in N. and S8 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.  
54.00 Telegraph line bears nearly E. and W.  
57.52 Cross Southern Pacific Ry. bears  $N78\frac{1}{2}^{\circ}$  W. and  $S78\frac{1}{2}^{\circ}$  E.  
60.82 Cross telegraph line bears nearly E. and W.  
80.06 The cor. of secs. 5, 6, 7, and 8.  
Land, level.  
Soil, sandy; 1st. rate.  
Level valley land; soil; rich sandy loam; fine texture; dry; no grass.  
No timber.  
Undergrowth, mesquite.  
January 7; At this cor I set off  $33^{\circ} 25'$  S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is  $32^{\circ} 40'$  W.  
✓  
January 7, 1911.

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January 8: At 8h. 00m. a.m. l.m.t., I set off  $32^{\circ} 40'$  N on the lat. arc;  $33^{\circ} 17'$  S on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 7 and 8.  
Thence I run  
40.00 S.  $89^{\circ} 52'$  W. on a random line bet. secs. 6 and 7  
79.85 Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect W. bdy. of Tp. 7 lks. S. of the cor. of secs. 1, 6, 7 and 12.  
Thence I run  
15.00 N.  $89^{\circ} 55'$  E. on a true line bet. secs. 6 and 7  
32.00 Over level land through dense brush.  
36.85 Rim of mesa and descend.  
39.85 Over level land.  
Cross road bears N. W. and S. E.  
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  $\frac{1}{4}$ S6 in N. and S7 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high, N. of cor. No bearings available.  
42.00 Cross wash 30 lks. wide course N. E.  
65.00 Cross wash 30 lks. wide course N. E.  
68.00 Cross wash 25 lks. wide course N. E.  
79.85 The cor. of secs. 5, 6, 7, and 8.  
Land, level.  
Soil, sandy and rocky; 4th. rate; poor; no grass.  
Undergrowth, greasewood, paloverde and chico.

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N.  $0^{\circ} 02'$  W. bet. secs. 5 and 6.

## Subdivision of Tp. 9 S. Rg. 19 W.

Chains.

3.90 Over level land through dense brush  
 Telegraph line bears N.  $79\frac{1}{2}^{\circ}$  W. and  $S78\frac{1}{2}^{\circ}$  E.  
 4.57 Cross Southern Pacific Ry. bears  $N78\frac{1}{2}^{\circ}$  W. and  $S78\frac{1}{2}^{\circ}$  E  
 5.23 Telegraph line bears N.  $78\frac{1}{2}^{\circ}$  W. and S.  $78\frac{1}{2}^{\circ}$  E.  
 40.00 Set an iron post 3 ft. long 1 in. diam., 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor., mkd. on brass cap S6 in W.  
 and S5 in E. half; dig pits 18 x 18 x 12 ins. N. and S.  
 of post 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.  
 base  $1\frac{1}{2}$  ft. high, W. of cor. No bearings available.  
 46.67 Cross road bears E. and W.  
 79.94 Intersect N. bdy. of Tp. 3.70 chs. N.  $89^{\circ} 59'$  E. of the  
 cor. of secs. 31 and 32 and set an iron post 3ft. long,  
 2 ins. diam., 24 ins. in the ground for closing cor. of  
 secs. 5 and 6, marked on brass cap  
 T8SS31S32 in N. c.c. s. of centre  
 T9S in S.  
 T9W in W. half;  
 S5 in S. E. and  
 S6 in S. W. quadrant; dig pits 24 x 18 x 12 ins. cross  
 wise on each line E. and W. 3 ft. and S. of post 7 ft.  
 dist., and raise a mound of earth 4 ft. base 2 ft. high,  
 S. of cor. No bearings available.  
 Land, level.  
 Soil; sandy; 1st. rate.  
 Level valley land; soil, rich sandy loam, dry, fine  
 texture; no grass.  
 No timber.  
 Undergrowth, greasewood, chico, mesquite, willows and  
 watermote.

January 8, 1911.

## General Description.

This township is level with the exception of the extreme  
 S. E. and S. W. cor. in which are rough hills. The soil  
 of the land along the Gila river and in the central and  
 eastern part of the township is a rich sandy loam, with  
 irrigation, capable of producing abundant crops. The  
 soil in the rest of the township is rocky and worthless.  
 There is no grass, and no timber. There is no water in  
 the township. The Gila River runs through sec. 6 and  
 just N. of the north boundary of the Tp. but is dry  
 most of the year. There are three settlers in Sec. 1.

*John P. Hesse*  
 W. S. Transitman.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

150

LIST OF NAMES.

BOOK 2236

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

United States <sup>Transitman</sup> 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 T<sup>9</sup> S. R<sup>12</sup> W. and retracement of the east boundary of T<sup>9</sup> S. R<sup>19</sup> W. showing the respective capacities in which they acted:

- A. N. Oliver, Chairman.
- A. E. Lyon, Chairman.
- J. H. Bates, Moundman.
- Moundman.
- A. E. Beaumont, Axman.
- T. C. Carroll, Axman.
- R. A. Coombs, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John F. Hesse, United States <sup>Transitman</sup> Deputy Surveyor, in surveying all

those parts or portions of the subdivision lines of T<sup>9</sup> S. R<sup>19</sup> W. and retracement of the east boundary of T<sup>9</sup> S. R<sup>19</sup> W.

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

- A. N. Oliver, Chairman.
- A. E. Lyon, Chairman.
- J. H. Bates, Moundman.
- Moundman.
- A. E. Beaumont, Axman.
- T. C. Carroll, Axman.
- R. A. Coombs, Flagman.

Subscribed and sworn to before me this 8th. day of January, 1911, by T. C. Carroll on the 1st. day of January, 1911, 19

John F. Hesse, U. S. Transitman



32841

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 2236

I, John F. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for Arizona, bearing date of the day of 1911, 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. 9 S. Rg. 19 W. and retracement of the east boundary of Tp. 9 S. Rg. 19 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.
Transitman

Subscribed by said John F. Hesse, and sworn to before me this 28th day of January, 1911



Frank J. Gallagher
United States Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. April 12, 1911

The foregoing field notes of the survey of the subdivided lines and retracement of the East boundary of Tp 9 S. Rg. 19 W. Gila and Salt River Base and Meridian Arizona.

executed by John F. Hesse U.S. Transitman under his contract No. 1, dated August 25, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Gallagher
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.