

SEP 4 - 1914

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Book "G."

BOOK 2841

~ Subdivisions ~

# FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS OF UNPLATTED GILBERT RANCH, WEST

*Subdivision lines of  
Township 8 North ~ Range 9 West*

Of the GILA AND SALT RIVER BASE AND Meridian,

In the State of ARIZONA

### EXECUTED BY

W. H. THORN, U. S. Surveyor.

and

W. K. KIERULFF, U. S. Transitman.

~~In the capacity of U. S. Surveyor~~, under instructions dated February 11, 1914,  
issued by the United States Surveyor General to govern surveys included in  
Group No. 34, which were approved by the Commissioner of the General Land  
Office, February 20, 1914, pursuant to authority contained in the Act of  
~~Congress dated~~, 191

Survey commenced April 14, 1914.

Survey completed April 21, 1914.

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BOOK 2841

Book "G"

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## Subdivision of Township 8 North, Range 9 West.

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## Chains.

Survey of the Subdivision lines of this township, commenced April 14, 1914, and executed by W. K. Kierulff, U. S. Transitman, using a Young and Sons' light mountain transit No. 8492, and W. H. Thorn, U. S. Surveyor, using a Young and Sons' light mountain transit No. 8592, both of which instruments are described in Book "A" of field notes of this group of surveys, The initials "W.K.K." and "W.H.T." are inserted in the following notes at the beginning and ending of those portions of the notes describing the surveys executed by W.K. Kierulff, U. S. Transitman, and W. H. Thorn, U. S. Surveyor, respectively.

## W.H.T.

I examine the adjustment of the transit, and test the solar, which proves to be satisfactory.

At the cor. of secs. 1, 2, 35 and 36, south bdy. of Tp. 8 N., R. 9 W., which is an iron post 3 ins. in diam., 1 ft. above ground, marked and witnessed by pits and mound; lat.  $33^{\circ} 59' 06''$  N.; long.  $113^{\circ} 9' 47''$  W., I set off  $9^{\circ} 17' N.$  on the decl. arc;  $33^{\circ} 59' N.$  on the lat. arc; and determine a meridian with the solar at 9h. a.m., l.m. t. Thence I run,

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

Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 35 in W., and  
 S 36 in E. half;  
 1914 in S. rim;

dig pits  $18 \times 18 \times 12$  ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

79.40 Dry wash, 10 lks. wide, course S.  $30^{\circ} W.$

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, with brass cap, marked,

T 8 N R 9 W, in N. half;

S 26 in NW.

S 25 in NE.

S 36 in SE.; and

S 35 in SW. quadrants;

1914 in S. rim;

dig pits  $18 \times 18 \times 12$  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, 2nd rate.

Timber, none.

Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high.

Scattering cactus.

East, on a random line, bet. secs. 25 and 36.

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

80.20 Intersect east bdy. of Tp., 15 lks. N. of the cor. of secs. 25, 30, 31 and 36, established by me, as described in Book "A."

Thence I run,

N.  $89^{\circ} 54' W.$ , on a true line, bet. secs. 25 and 36.

Over level land.

40.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 1914 in S. rim;  
 $\frac{1}{4}$  S 25 in N., and  
 S 36 in S. half;

dig pits  $18 \times 18 \times 12$  ins., E. and W. of cor. 3 ft. dist.,

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2. Subdivision of Township 8 North Range 9 West.

Chains.

and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.  
 78.50 Dry wash, 10 lks. wide, shallow, course S.  $30^{\circ}$  W.  
 80.20 Cor. of secs. 25, 26, 35 and 36.  
 Land, level.  
 Soil, sandy, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood and mesquite brush, 4 to 8 ft.  
 high.  
 Scattering cactus.

N.  $0^{\circ}01'$  W., bet. secs. 25 and 26.  
 Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 26 in W., and  
 S 25 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 west of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground for cor. of secs. 23, 24, 25 and 26, with brass  
 cap, marked,  
 T 8 N R. 9 W in N. half;  
 S 23 in NW.,  
 S 24 in NE.,  
 S 25 in SE., and  
 S 26 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and  
 raise a mound of earth 4 ft. base, 2 ft. high, west of  
 cor.  
 Land, level.  
 Soil, sandy, with caliche subsoil, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood and mesquite brush, 4 to 8 ft.  
 high.

Flag at the cor. of secs. 19, 24, 25 and 30 on the E. bdy.  
 of the Tp. being plainly visible, I run for said cor.,  
 S.  $89^{\circ}55'$  E., on a random line, bet. secs. 24 and 25.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.20 Intersect E. bdy. of Tp. at the cor. of secs. 19, 24, 25 and  
 30, established by me, as described in Book "A."  
 Thence I run,  
 N.  $89^{\circ}55'$  W., on a true line, bet. secs. 24 and 25.  
 Over level land.

40.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 1914 in S. rim;  
 $\frac{1}{4}$  S 24 in N., and  
 S 25 in S. half;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 north of cor.

46.80 Road brs. N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.  
 80.20 Cor. of secs. 23, 24, 25 and 26.  
 Land, level.  
 Soil, sandy, with caliche subsoil, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood and mesquite brush, 4 to 8 ft.  
 high.

Subdivision of Township 8 North, Range 9 West, 3.

Chains.

N.0°01' W., bet. secs. 23 and 24.  
 Over level land.  
 13.60 Dry wash, 4 lks.wide, 1 ft.banks, course S.80°W.  
 29.00 Dry wash, 6 lks.wide, 1 ft.banks, course S.80°W.  
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 23 in W., and  
 $\frac{1}{4}$  S 24 in E-half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 west of cor.  
 42.30 Road brs.N.40°W. and S.40°E.  
 63.00 Dry wash, 4 lks.wide, 1 ft.banks, course S.60°W.  
 71.00 Dry wash, 6 lks.wide, 1 ft. banks, course S.60°W.  
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins.in  
 the ground for cor.of secs. 13,14,23 and 24, with  
 brass cap, marked,  
 T 8 N R 9 W in N.half;  
 S 14 in NW.  
 S 13 in NE.  
 S 24 in SE., and  
 S 23 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 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 with gravel, 3rd rate.  
 Timber, scattering ironwood.  
 Undergrowth, greasewood and mesquite brush, 4 to 6 ft.  
 high.  
 No noon observation this day, as I was going bet. points,  
 at that time.

Flag at the cor.of secs. 13,18,19 and 24 on the east  
 bdy.of Tp.being plainly visible,I run for said cor.,  
 S.89°55'E. on a random line, bet. secs.13 and 24.  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 80.18 Intersect cor.of secs.13,18,19 and 24, established by  
 me, as described in Book"A."  
 Thence I run,  
 N.89°55'W., on a true line, bet. secs.13 and 24.  
 Over mountainous land.  
 Descend steep, rough, rocky SW. slope.  
 30.00 Foot of descent; thence over level land.  
 40.09 Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in  
 the ground,(could not set deeper for solid stone)  
 for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 1914 in S.rim;  
 $\frac{1}{4}$  S 13 in N., and  
 S 24 in S.half;  
 pits impracticable. Build a mound of stone around  
 post 2 ft.base, 1 ft.high.  
 Build a mound of stone 3 ft.base, 2 ft.high, N.of cor.  
 42.00 Dry wash, 20 lks.wide, 4 ft.banks, course S.40°W.  
 51.00 Dry wash, 6 lks.wide, 1 ft. banks, course S.60°W.  
 56.00 Dry wash, 4 lks.wide, 1 ft.banks, course S.60°W.  
 72.00 Dry wash, 4 lks.wide, 1 ft.banks, course S.70° W.  
 80.18 Cor.of secs.13,14,23 and 24.  
 Land,south 30.00 chs. rough and broken; north, 50.18 chs.,  
 level.  
 Soil, north 50.18 chs. gravelly, 3rd rate; south 30.00  
 chs.very rocky, 4th rate.  
 Timber, scattering palo verde and ironwood.  
 Undergrowth, greasewood.  
 Giant cactus.

## 4. Subdivision of Township 8 North Range 9 West.

Chains.

N.0°01'W., bet. secs.13 and 14.  
 Over gradual SW. slope.  
 38.00 Dry wash, 20 lks.wide, 4 ft.banks, course S.40°W.  
 40.00 Set an iron post 3 ft.long, 1 in. in diam., in a mound  
 of stone 3 ft.base, 2½ ft. high, for ¼ sec.cor., with  
 brass cap, marked,  
 ¼ S 14 in W., and  
 S 13 in E.half;  
 1914 in S.rim; pits impracticable.  
 build a mound of stone 3 ft.base, 2½ ft.high, W.of  
 cor.  
 50.00 Ascend steep rough, rocky broken SW. slope.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., in a  
 mound of stone 4 ft.base, 2½ ft.high, for cor.of  
 secs.11,12,13 and 14, with brass cap, marked,  
 T 8 N R 9 W in N.half;  
 S 11 in NW.  
 S 12 in NE.;  
 S 13 in SE., and  
 S 14 in SW.quadrants;  
 1914 in S.rim;  
 pits impracticable. Build a mound of stone 3 ft.  
 base, 2 ft.high, W.of cor.  
 Land, 0 to 50.00 chs. gradual SW. slope, rocky; 50.00 to  
 80.00 chs., rough, rocky and broken.  
 Soil, 4th rate.  
 Timber, palo verde and ironwood along foot of mountain.  
 Undergrowth, greasewood and mesquite brush.  
 Ocotillo and giant cactus.

April 14, 1914.

April 15, 1914:

At 8h. a.m., l.m.t., I set off 9°38'N.on decl.arc; 34°  
 02½'on lat.arc; and determine a meridian with the  
 solar at the cor.of secs. 11,12,13 and 14.  
 Flag at cor.of secs. 7,12,13 and 18 on the east bdy.  
 of Tp. being plainly visible, I run for said cor.,  
 East, on a random line, bet. secs.12 and 13.  
 40.00 Set temp.¼ sec.cor.  
 80.16 Intersect cor.of secs.7,12,13 and 18, established by me  
 as described in Book "A."  
 Thence I run,  
 West, on a true line, bet. secs.12 and 13.  
 Over mountainous land.  
 0.40 Wash, 10 lks.wide, 4 ft.banks, course N.30°E.  
 17.00 Dry wash, 15 lks.wide, 4 ft.banks, course N.30°E.  
 25.00 Dry wash, 20 lks.wide, 4 ft. banks, course N.30°E.  
 Ascend steep SE. slope over boulders.  
 40.08 Set an iron post 3 ft.long, 1 in. in diam., in a mound  
 of stone 3 ft.base, 2½ ft.high for ¼ sec.cor., with  
 brass cap, marked,  
 1914 in S.rim;  
 ¼ S 12 in N., and  
 S 13 in S.half;  
 pits impracticable. Build a mound of stone 3 ft.  
 base, 2 ft.high, north of cor.  
 Ascend over S. slope.  
 50.00 Change to east slope.  
 72.10 Top of mountain.1100 ft.high, brs.N.70°W. and S.70°E.  
 Descend SW. slope.  
 80.16 Cor.of secs.11,12,13 and 14.  
 Land, rolling and mountainous.  
 Soil, rocky, 4th rate.  
 Timber, scrub palo verde, scattering.  
 Undergrowth, greasewood and mesquite brush.  
 Giant cactus.

Subdivision of Township 8 North, Range 9 West.

Chains.

N.0°01'W., bet. secs.11 and 12.  
Over mountainous land.

6.15 Top of mountains, 1100 ft. high, brs. NW. and SE.  
Descend NE. slope, over boulders.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in  
the ground (could not set deeper for solid rock);  
build mound of stone 3 ft. base, 2 ft. high around post  
for  $\frac{1}{4}$  sec. cor., with brass cap, marked.  
 $\frac{1}{4}$  S 11 in W., and  
S 12 in E. half;  
1914 in S. rim;  
pits impracticable. Build a mound of stone 3 ft. base,  
2 $\frac{1}{2}$  ft. high, W. of cor.

42.40 Dry wash, 20 lks. wide, 6 ft. banks, course N.30°E.

50.00 Foot of hill.

63.80 Dry wash, 15 lks. wide, 5 ft. banks, course N.30°E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground for cor. of secs 1, 2, 11 and 12, with brass  
cap, marked,  
T 8 N R 9 W in N. half;  
S 2 in NW.,  
S 1 in NE.,  
S 12 in SE., and  
S 11 in SW. quadrants;  
1914 in S. rim;  
dig pits 18x18x12 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 to 50.00 chs.; 50.00 to 80.00 chs.  
rolling.  
Soil, in mountains rocky, 4th rate. Rolling, sandy and  
gravelly, 3rd rate.  
Timber, scrub palo verde, scattering.  
Undergrowth, greasewood and mesquite brush, 4 to 8 ft.  
high.  
No noon observation this day, as I was going between  
points at that time.

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40.00 East, on a random line, bet. secs. 1 and 12.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.15 Intersect east bdy. of Tp. 11 lks. S. of the cor. of secs.  
1, 6, 7 and 12, established by me, as described in  
Book "A."  
Thence I run,  
S.89°55'W., on a true line, bet. secs. 1 and 12.  
Over level land.

7.75 Dry wash, 10 lks. wide, 2 ft. banks, course N.20°E.

40.075 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
1914 in S. rim;  
 $\frac{1}{4}$  S 1 in N., and  
S 12 in S. half;  
dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,  
and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high,  
N. of cor.

59.15 Wash, 20 lks. wide, 2 ft. banks, course N.30°E.

80.15 Cor. of secs. 1, 2, 11 and 12.  
Land, level.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
Timber, none.  
Undergrowth, greasewood and mesquite brush, 4 to 6 ft.  
high.

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N.0°01' W., on a true line, bet. secs. 1 and 2.  
Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

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Chains.

the ground for 1/4 sec.cor., with brass cap, marked,  
1/4 S 2 in W., and  
S 1 in E.half;  
1914 in S.rim;  
dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist.,  
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high,  
west of cor.

62.00  
65.79

Old road brs.NE. and SW.  
Intersect Second Standard Parallel North, 15.43 chs.west  
of the Standard cor. of secs. 35 and 36, T.9 N.,R.9 W.,  
which is an iron post 3 ins. in diam., properly marked  
and witnessed by pits and mound of earth. At point  
of intersection,  
I set an iron post 3 ft.long, 2 ins. in diam., 24 ins.  
in the ground for closing cor.of secs.1 and 2, with  
brass cap, marked;  
T 8 N R 9 W in S.half;  
C C S of center,  
S 35 in NW.,  
S 36 in NE.,  
S 1 in SE., and  
S 2 in SW.quadrants;  
1914 in S.rim;  
dig pits 24x18x12 ins. crosswise on each line E.and  
W.3 ft., and S.of cor., 7 ft.dist. Raise a mound  
of earth 4 ft.base, 2 ft.high, S.of cor.  
Land,level.  
Soil, 2d rate, adobe.  
Timber, scattering palo verde.  
Undergrowth, greasewood and club cactus/  
Native grass. April 15,1914.

April 16,1914:  
At 9h. a.m.,l.m.t., I set off 10°N.on decl.arc; 33°59'  
N. on the lat.arc, and determine a meridian with the  
solar at the cor.of secs.2,3,34 and 35 on the south  
bdy.of the Tp., which is an iron post, 3 ins. in  
diam., 1 ft. above ground, marked and witnessed by  
pits and mound.

40.00

Thence I run,  
N.0°01'W., bet. secs.34 and 35.  
Over level land, through greasewood brush.  
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
the ground for 1/4 sec.cor., with brass cap,marked,  
1/4 S 34 on W., and  
S 35 in E.half;  
1914 in S.rim;  
dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,  
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high,  
W.of cor.

48.20  
48.40  
80.00

Old road, brs. N.60°E. and S.60°W.  
Dry wash,10 lks.wide, 2 ft.banks, course S.60°W.  
Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in  
the ground for cor.of secs.26,27,34 and 35, with  
brass cap, marked,  
T 8 N R 9 W in N.half;  
S 27 in NW.,  
S 26 in NE.,  
S 35 in SE., and  
S 34 in SW.quadrants;  
1914 in S. rim;  
dig pits 18x18x12 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 and adobe,2nd rate.  
No timber.  
Undergrowth, greasewood and mesquite brush,4 to 7 ft.high.



Subdivision of Township 8 North, Range 9 West. 7.

Chains.	
40.00	East on a random line, bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.
80.23	Intersect N. and S. line, 7 lks. N. of the cor. of secs. 25, 26, 35 and 36. Thence I run, N. $89^{\circ} 57' W.$ , on a true line, bet. secs. 26 and 35. Over level land.
40.115	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, 1914 in S. rim; $\frac{1}{4}$ S 26 in N., and S 35 in S. half; dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, north of cor.
80.23	Cor. of secs. 26, 27, 34 and 35. Land, level. Soil, sandy and adobe, 2nd rate. Timber, none. Undergrowth, greasewood and mesquite brush, 5 to 8 ft. high.
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31.20	N. $0^{\circ} 01' W.$ , bet. secs. 26 and 27. Over level land.
35.00	Old road, brs. NE. and SW. Enter adobe flat; brush very scattering.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 27 in W., and S 26 in E. half; 1914 in S. rim; dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west of cor.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with brass cap, marked, T 8 N R 9 W in N. half; S 22 in NW., S 23 in NE., S 26 in SE., and S 27 in SW. quadrants; 1914 in S. rim; dig pits 18x18x12 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, adobe, 2nd rate. Timber, none. Undergrowth, greasewood and mesquite, 4 to 8 ft. high, on south 35.00 chs. At this point, I set off $10^{\circ} 02\frac{1}{2}' N.$ on the decl. arc; and at 11h. 59m. 58s. a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is $34^{\circ} 01' N.$
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40.00	The flag at the cor. of secs. 23, 24, 25 and 26, being plainly visible, I run for said cor., S. $89^{\circ} 58' E.$ , on a random line, bet. secs. 23 and 26.
80.22	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26. Thence I run, N. $89^{\circ} 58' W.$ , on a true line, bet. secs. 23 and 26. Over level land.
38.00	Old road, brs. NE. and SW.

8. Subdivision of Township 8 North, Range 9 West.

Chains.

40.11 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 1914 in S. rim;  
 $\frac{1}{4}$  S 23 in N., and  
 S 26 in S. half;  
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

65.00 Leave greasewood and mesquite; enter open flat.

80.22 Cor. of secs. 22, 23, 26 and 27.

Land, level.

Soil, sandy and adobe, 2nd rate.

Timber, none.

Undergrowth, greasewood and mesquite brush, 5 to 8 ft. high to 65.00 chs.

N. 0° 01' W., bet. secs. 22 and 23.

Over level land.

18.00 Enter greasewood and mesquite brush.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,

S 22 in W., and

S 23 in E. half;

1914 in S. rim;

dig pits 18x18x12 ins., N. and S. of cor. 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 Dry wash, 6 lks. wide, 1 ft. banks, course S. 20° W.

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

T 8 N R 9 W in N. half;

S 15 in NW.,

S 14 in NE.,

S 23 in SE., and

S 22 in SW. quadrants;

1914 in S. rim;

dig pits 18x18x12 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, adobe and sandy 2nd rate.

Timber, none.

Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high.

Scattering, giant cactus.

East, on a random line, bet. secs. 14 and 23.

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

80.20 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Thence 1 run,

N. 89° 59' W. on a true line, bet. secs. 14 and 23.

Over level land.

40.10 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,

1914 in S. rim;

$\frac{1}{4}$  S 14 in N., and

S 23 in S. half;

dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

46.00 Old road, brs. N. 30° W. and S. 30° E.

80.20 Cor. of secs. 14, 15, 22 and 23.

Land, level.

Subdivision of Township 8 North, Range 9 West, 9.

Chains.

Soil, adobe and sandy, 2nd rate.  
Timber, none.  
Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high.

40.00 N.0°01'W., bet. secs.14 and 15.  
Over level land.  
Set an iron post 3 ft.long, 1 in. in diam.,26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  $\frac{1}{4}$  S 15 in W., and S 14 in E.half; 1914 in S.rim;  
dig pits 18x18x12 ins., N.and S.of cor.3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

58.60 Road brs.NW. and SE.  
80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 10,11,14 and 15,with brass cap, marked,  
T 8 N R 9 W in N half;  
S 10 in NW.,  
S 11 in NE.,  
S 14 in SE., and  
S 15 in SW.quadrants;  
1914 in S.rim;  
dig pits 18x18x12 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.  
Timber, none.  
Undergrowth, greasewood and mesquite brush, 4 to 8 ft. high.  
Ocotillo and giant cactus. April 16, 1914.

40.00 April 18, 1914: Continued.  
80220 East, on a random line, bet. secs.11 and 14.  
Set temp. $\frac{1}{4}$  sec.cor.  
Intersect N.and S. line, 5 lks.N.of cor.of secs.11,12, 13 and 14.

Thence I run,  
N.89°58'W., on a true line, bet. secs. 11 and 14  
Over rolling and mountainous land.  
Descend steep rocky rough SW. slope.  
37.00 Enter rolling land.  
40.10 Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in the ground (could not set deeper for solid rock), build mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high, around post, for  $\frac{1}{4}$  sec.cor., with brass cap, marked, 1914 in S.rim;  $\frac{1}{4}$  S 11 in N., and S 14 in S.half;  
pits impracticable. Build a mound of stone 3 ft. base, 2 ft.high, N.of cor.

48.00 Dry wash, 10 lks.wide, 6 ft. banks, course south.  
55.70 Dry wash, 15 lks.wide, 3 ft.banks, course south.  
63.05 Dry wash, 15 lks.wide, 4 ft.banks, course S.20°W.  
68.90 Dry wash, 10 lks.wide, 2 ft.banks, course S.30°W.  
73.00 Dry wash, 10 lks.wide, 2 ft.banks, course S.30°W.  
80.20 Cor.of secs.10,11,14 and 15.  
Land,mountainous to 37.00 chs.;thence rolling.  
Soil, gravel and sandy, 4th rate.  
Timber, palo verde and ironwood, scattering.  
Undergrowth, greasewood and mesquite; giant cactus.

10. Subdivision of Township 8 North, Range 9 West  
Chains.

N.0°01'W., bet. secs.10 and 11.  
Over level land.  
4.00 Dry wash, 10 lks.wide, 2 ft.banks, course S.10°W.  
19.00 Ascend steep SW. slope.  
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins.oin  
the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 10 in W., and  
S 11 in E.half;  
1914 in S.rim;  
pits impracticable. Build a mound of stone 3 ft.  
base, 2 ft.high, west of cor.  
Thence over gradual W. slope, broken and rough.  
71.85 Adobe cabin, brs.W.3.00 chs.  
74.05 Old road brs.N.10°E. and S.5°W.  
78.80 Dry wash, 10 lks.wide, 3 ft.banks, course S.15°W.  
80.00 Set an iron post 3 ft.long, 2 ins. in diam., 18 ins. in  
the ground (could not set deeper for solid rock);  
build a mound of stone 3 ft.base, 1 $\frac{1}{2}$  ft. high around  
post for cor.of secs.2,3,10 and 11, with brass cap,  
marked,  
T 8 N, R 9 W in N.half;  
S 3 in NW.,  
S 2 in NE.,  
S 11 in SE., and  
S 10 in SW.quadrants;  
1914 in S.rim;  
pits impracticable. Raise a mound of stone 4 ft.base,  
3 ft.high, W.of cor.  
Land;level; to 19.00 chs.; thence mountainous.  
Soil,rocky and gravel,3rd and 4th rate.  
Timber, scattering palo verde and ironwood.  
Undergrowth, greasewood; giant cactus.

-----  
East, on a random line, bet. secs.2 and 11.  
40.00 Set temp. $\frac{1}{4}$  sec.cor.  
80.16 Intersect N.and S. line, 25 lks.N.of the cor.of secs.1,  
2,11 and 12.  
Thence I run,  
N.89° 49' W.on a true line, bet. secs.2 and 11.  
Over rolling land.  
40.08 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
1914 in S.rim;  
 $\frac{1}{4}$  S 2 in N., and  
S 11 in S.half;  
dig pits 18x18x12 ins., E.and W.of cor.,3 ft. dist.,  
and raise a mound of earth 3 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high,  
north of cor.  
Ascend gradual NE. slope.  
70.00 Top of ascent; descend west slope.  
77.50 Old road, brs.N.10°E. and S.5° W.  
80.16 Cor.of secs. 2,3,10 and 11.  
Land, rolling.and gradual NE. slope to 70.00 chs.  
Thence rough and broken.  
Soil, rocky and sandy, 3rd and 4th rate.  
Timber, scattering palo verde.  
Undergrowth, greasewood brush.  
Ocotillo and giant cactus; yucca palms.

-----  
N.0° 01'W., on a true line, bet. secs.2 and 3.  
Over rolling land.  
6.00 Top of low ridge, brs.W.and S.50°E.

~~Subdivision of Township 8 North, Range 9 West, 11.~~

## Chains.

- 17.60 Old road brs. N. 5° W. and SE.  
 31.00 Dry wash, 10 lks. wide, 1 ft. banks, course N. 5° E.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
      $\frac{1}{4}$  S 3 in W., and  
     S 2 in E. half;  
     1914 in S. rim;  
     dig pits 18x18x12 ins., N. and S. of cor., 3 ft dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.  
 42.50 Dry wash, 15 lks. wide, 2 ft. banks, course N. 10° E.  
 50.00 Dry wash, 25 lks. wide, 2 ft. banks, course N. 5° E.  
 65.54 Intersect Second Standard Parallel North, 15.44 chs. west of the standard cor. of secs. 34 and 35, T. 9 N., R. 9 W., which is an iron post 3 ins. in diam., 1 ft. above ground, properly marked and witnessed by pits and mound of earth. At point of intersection,  
 I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, with brass cap, marked,  
     T 8 N, R 9 W in S. half;  
     C C S of center,  
     S 34 in NW.,  
     S 35 in NE.,  
     S 2 in SE., and  
     S 3 in SW. quadrants;  
     1914 in S. rim;  
     dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.  
 Land, rocky and rough to 15.00 chs.; 15.00 to 65.54 chs. gradual NE. slope.  
 Soil, rocky and sandy, 3rd and 4th rate.  
 Timber, scattering palo verde.  
 Undergrowth, greasewood brush; ocotillo and giant cactus. Yucca palms.  
 No noon observation this day, as I was going bet. points at that time.

April 18, 1914.

April 17, 1914:

At 9h. a.m., l.m.t., I set off 10° 21' N. on decl. arc; 33° 59' N. on lat. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the south bdy. of the Tp., which is an iron post 3 ins. in diam., 1 ft. above ground, marked and witnessed by pits and mound.

Thence I run,  
 N. 0° 02' W., bet. secs. 33 and 34.  
 Over level land.

- 16.00 Dry wash, 8 lks. wide, 1 ft. banks, course S. 60° W.  
 24.00 Enter adobe flat; brush, very scattering.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
      $\frac{1}{4}$  S 33 in W., and  
     S 34 in E. half;  
     1914 in S. rim;  
     dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.  
 57.60 Dry wash, 10 lks. wide, 2 ft. banks, course S. 40° W.  
 64.00 Dry wash, 15 lks. wide, 2 ft. banks, course S. 40° W.  
 80.00 Set an iron post 3 ft. long; 2 ins. in diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, with brass cap, marked,  
     T 8 N R 9 W in N. half;  
     S 28 in NW.,  
     S 27 in NE.,

## 12. Subdivision of Township 8 North Range 9 West

Chains.

- S 34 in SE., and  
S 33 in SW. quadrants;  
1914 in S.rim;  
dig pits 18x18x12 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, adobe, 2nd rate.  
Undergrowth, greasewood and mesquite to 24.00 chs.; thence  
very scattering.
- 
- Flag at the cor. of secs. 26, 27, 34 and 35, being in  
plain sight, I run for said corner,  
S.89° 56'E. on a random line, bet. secs. 27 and 34.  
40.00 Set, temp. ¼ sec. cor.  
80.14 Intersect the cor. of secs. 26, 27, 34 and 35.  
Thence I run,  
N.89° 56'W., on a true line, bet. secs. 27 and 34.  
Over level land.  
8.80 Old road, brs. N. and S.  
20.10 Leave greasewood and mesquite brush; enter flat.  
40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for ¼ sec. cor., with brass cap, marked,  
1914 in S.rim;  
¼ S 27 in N., and  
S 34 in S. half;  
dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,  
and raise a mound of earth 3½ ft. base, 1½ ft. high,  
north of cor.  
55.50 Dry wash, 30 lks. wide, 2 ft. banks, course S.40°W.  
80.14 Cor. of secs. 27, 28, 33 and 34.  
Land, level.  
Soil, adobe, 2nd rate.  
Timber, none.  
Undergrowth, greasewood, very scattering.
- 
- N.0°02' W., bet. secs. 27 and 28.  
Over level land.  
16.00 Leave flat. Enter greasewood and mesquite brush.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for ¼ sec. cor., with brass cap, marked,  
¼ S 28 in W., and  
S 27 in E. half;  
1914 in S.rim;  
dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist.,  
and raise a mound of earth 3½ ft. base, 1½ ft. high,  
west of cor.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground for cor. of secs. 21, 22, 27 and 28, with  
brass cap, marked,  
T 8 N R 9 W in N. half;  
S 21 in NW.,  
S 22 in NE.,  
S 27 in SE., and  
S 28 in SW. quadrants;  
1914 in S.rim;  
dig pits 18x18x12 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, adobe, 2nd rate.  
Undergrowth, greasewood and mesquite brush, 4 to 8 ft.  
high.

Subdivision of Township 8 North, Range 9 West. 13.

Chains.

East, on a random line, bet. secs.22 and 27.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.14 Intersect N.and S. line, 2 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; very scattering brush.  
 20.00 Enter thick growth of greasewood brush and mesquite.  
 23.00 Old road brs.N.and S.  
 38.00 Dry wash, 10 lks.wide, 1 ft.banks, course south.  
 40.07 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 22 in N., and  
 $\frac{1}{4}$  S 27 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 north of cor.  
 49.00 Dry wash, 10 lks.wide, 1 ft. banks, course S.10°E.  
 74.00 Dry wash, 4 lks.wide, 1 ft.banks, course S.10°E.  
 80.14 Cor.of secs.21,22, 27 and 28.  
 Land,level.  
 Soil, adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood and mesquite brush, 5 to 8 ft.  
 high.

N.0°02'W., bet. secs.21 and 22.  
 Over level land.  
 40.00 Set an iron post 3 ft long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 21 in W., and  
 $\frac{1}{4}$  S 22 in E.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high,W.  
 of cor.  
 46.00 Dry wash, 6 lks.wide, 2 ft.banks, course S.10°E.  
 67.20 Dry wash, 10 lks.wide, 2 ft.banks, course S.20°W.  
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in  
 the ground for cor.of secs.15,16,21 and 22, with brass  
 cap, marked,  
 T 8 NR 9 W in N.half;  
 S 16 in NW.,  
 S 15 in NE.,  
 S 22 in SE., and  
 S 21 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 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, 2nd rate, sandy.  
 Timber, none.  
 Undergrowth, greasewood and mesquite brush, 4 to 10 ft.  
 high.

East, on a random line, bet. secs.15 and 22.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.16 Intersect N.and S. line, 5 lks.N.of the cor.of secs. 14,  
 15, 22 and 23.  
 Thence I run,  
 N.89°58'W., on a true line, bet. secs.15 and 22.  
 Over level land.

## 15. Subdivision of Township 8 North Range 9 West.

Chains.

12.00 Old road, brs.N.and S.  
 40.08 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 15 in N., and  
 S 22 in S.half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.  
 70.00 Dry wash, 10 lks.wide, 2 ft. banks, course S.20°W.  
 80.16 Cor.of secs.15,16,21 and 22.  
 Land,level.  
 Soil, sandy, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood and mesquite brush, 4 to 10 ft. high.  
 Cloudy at noon this day,rendering observation for latitude impossible.

April 17, 1914.

-----  
 April 18, 1914:

At 8h. a.m.,l.m.t., I set off  $10^{\circ}41\frac{1}{2}'$  N.on the decl.arc;  
 $34^{\circ}02'$  N. on the lat.arc; and determine a meridian with the solar at the cor.of secs.15,16,21 and 22.

Thence I run,

N.0°02'W., bet. secs.15 and 16.

Over level land.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 16 in W., and  
 S 15 in E.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., N.and S.of cor. 3 ft.dist.,and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,W.of cor.  
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs. 9,10,15 and 16, with brass cap, marked,  
 T 8 N R 9 W in N.half;  
 S 9 in NW.,  
 S.10 in NE.,  
 S 15 in SE., and  
 S 16 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist.,and raise a mound of earth 4 ft.base, 2 ft.high, west of cor.  
 Land,level.  
 Soil, sandy, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood brush, 4 to 5 ft.high.

-----  
 Flag at cor. of secs. 10,11,14 and 15,being in plain sight, I run for said cor.,

S.89° 57' E. on random line, bet. secs.10 and 15.

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

80.20 Intersect the cor.of secs.10,11,14 and 15.

Thence I run,

N.89°57'W., on a true line, bet. secs.10 and 15.

8.10 Dry wash, 10 lks.wide, 2 ft.banks, course south.

10.40 Dry wash, 6 lks.wide, 1 ft banks, course south.

12.50 Old road, brs.N.10°W. and S.10°E.

22.00 Old road brs.N.10°W. and S.10°E.

40.10 Set an iron post 3 ft.long, 1 in. indiam., 26 ins. in



Chains.

the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 10 in N., and  
S 15 in S.half;  
1914 in S.rim;  
dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
N.of cor.

- 60.18 Dry wash, 6 lks.wide, 2 ft.banks, course south.
- 69.21 Dry wash, 6 lks.wide, 2 ft.banks, course south.
- 72.20 Dry wash, 6 lks.wide, 2 ft. banks, course south.
- 80.20 Cor.of secs. 9,10,15 and 16.

Land,level.  
Soil, sandy, 2nd rate.  
Timber, scattering palo verde and ironwood.  
Undergrowth, greasewood and mesquite brush, 4 to 8 ft.  
high.  
Ocotillo and giant cactus.

April 18, 1914.  
(To be continued)

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April 21,1914, continued.  
N.0°02' W., bet. secs.9 and 10.

- 37.00 Over level land, through greasewood brush.
- Dry wash, 6 lks.wide, 2 ft.banks, course S.5°E.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 9 in W., and  
S 10 in E.half;  
1914 in S.rim;

dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high,  
W.of cor.

- 42.40 Old road, brs.E.and W.
- 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in  
the ground for cor.of secs.3,4,9 and 10, with brass  
cap, marked,

T 8 N, R 9 W in N.half;  
S 4 in NW.,  
S 3 in NE.,  
S 10 in SE., and  
S 9 in SW.quadrants  
1914 in S.rim;

dig pits 18x18x12 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, gravelly with caliche subsoil, 3rd rate.  
Timber, scattering palo verde.  
Undergrowth, greasewood, 4 to 5 ft.high.  
Ocotillo and giant cactus; yucca palms.

-----  
Flag at the cor.of secs. 2,3,10 and 11 being plainly  
visible, I run for said cor.,  
S.89°55'E., on a random line, bet. secs.3 and 10.

- 40.00 Set temp. $\frac{1}{4}$  sec.cor.
- 80.20 Intersect cor.of secs. 2,3,10 and 11.  
Thence I run,  
N.89° 55'W., on a true line, bet. secs.3 and 10.  
Over mountainous land.
- 6.80 Top of hill.  
Descend west slope.
- 19.40 Foot of descent, dry wash, 10 lks.wide, 2 ft. banks, course S.10°E.  
Ascend east slope.
- 31.50 Top of ascent, 600 ft., brs. N.10°E. and S.10°W.  
Descend rocky SW. slope.
- 40.10 Set an iron post 3 ft.long, 1 in.in diam., in a mound  
of stone 4 ft.base,  $2\frac{1}{2}$  ft. high, for  $\frac{1}{4}$  sec.cor.,with

16. Subdivision of Township 8 North Range 9 West.

Chains.

brass cap, marked,  
1/4 S 3 in N. and;  
S 10 in S. half; and  
1914 in S. rim; pits impracticable.

- 45.00 Build a mound of stone 3 ft. base, 2 ft. high, N. of cor.
- 47.50 Foot of descent; thence over rolling land.
- 63.00 Dry wash, 15 lks. wide, 12 ft. banks, course S. 10° W.
- 67.80 Dry wash, 10 lks. wide, 4 ft. banks, course S. 10° W.
- 71.40 Dry wash, 15 lks. wide, 4 ft. banks, course S. 10° W.
- 75.10 Dry wash, 10 lks. wide, 3 ft. banks, course S. 10° W.
- 80.20 Dry wash, 15 lks. wide, 4 ft. banks, course S. 10° W.

Corner of secs. 3, 4, 9 and 10.  
Land, rolling and mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate,  
Timber, scattering palo verde and ironwood.  
Undergrowth, greasewood and mesquite brush.  
Ocotillo and giant cactus.

N. 0° 02' W., on a true line, bet. secs. 3 and 4.  
Over rolling land.

- 5.80 Dry wash, 10 lks. wide, 5 ft. banks, course S. 30° W.
- 10.30 Dry wash, 10 lks. wide, 4 ft. banks, course S. 30° W.
- 25.10 Dry wash, 10 lks. wide, 5 ft. banks, course S. 20° W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground (could not set deeper for solid rock); build mound of earth and stone around corner 2 ft. base, 1 ft. high for 1/4 sec. cor., with brass cap, marked,

1/4 S 4 in W., and  
S 3 in E. half;  
1914 in S. rim;

dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, west of cor.

- 41.40 Dry wash, 15 lks. wide, 4 ft. banks, course S. 20° W.
- 45.00 Ascend SW. slope of low ridge, brs. NW. and SE.
- 55.00 Top of low ridge, 150 ft. ascent.

65.41 Intersect Second Standard Parallel North, 15.22 chs. west of the Standard cor. of secs. 33 and 34, T. 9 N., R. 9 W., which is an iron post 3 ins. in diam., 1 ft. above ground, properly marked and witnessed by pits and mound. At point of intersection,

I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 3 and 4, with brass cap, marked,

T 8 N R 9 W. in S. half;  
C C S of center,  
S 33 in NW.,  
S 34 in NE.,  
S 3 in SE., and  
S 4 in SW. quadrants;  
1914 in S. rim;

dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of cor. 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor.

Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, scattering palo verde.  
Undergrowth, greasewood brush.  
Ocotillo and giant cactus.

April 21, 1914.  
(To be continued).  
W.H.T.

Subdivision of Township 8 North, Range 9 West, 17.

Chains.

W.K.K.  
April 18, 1914:  
I examine the adjustments of the transit, and test the solar, on a meridian determined by observations on Polaris, and find it to be correct.  
At 9h. a.m., l.m.t., at the cor. of secs. 4, 5, 32 and 33, on the south bdy. of the Tp., which is an iron post 3 ins. in diam., 1 ft. above ground, marked and witnessed by pits and mound, I set off 10°42' N. on the decl. arc; and 33°59' N. on the lat. arc, and determine a meridian with the solar.

Thence I run,  
N. 0°02' W., bet. secs. 32 and 33.  
Over level land.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 32 in W., and S 33 in E. half; 1914 in S. rim; dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, west of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, with brass cap, marked, T 8 N R 9 W in N. half; S 29 in NW.; S 28 in NE.; S 33 in SE.; and S 32 in SW. quadrants; 1914 in S. rim; from which, A mesquite 8 ins. in diam., brs. N. 81 1/4° W., 183 lks. dist., marked T 8 N R 9 W S 29 B T.  
No other trees in limits; dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.  
Land, level.  
Soil, adobe, 2nd rate.  
Undergrowth, greasewood in N. half mile; south half mile, native grass,

-----  
East, on a random line, bet. secs. 28 and 33.  
40.00 Set temp. 1/4 sec. cor.  
80.13 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.  
Over level land.

40.065 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 28 in N., and S 33 in S. half; 1914 in S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.  
80.13 Cor. of secs. 28, 29, 32 and 33.  
Land, level.  
Soil; adobe, with sand, 2nd rate.  
Undergrowth, greasewood; native grass.

-----  
N. 0°02' W., bet. secs. 28 and 29.  
Over level land.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 29 in W., and

18. Subdivision of Township 8 North, Range 9 West.

Chains.

S 28 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist.,  
 and raise a mound of earth 3½ ft. base, 1½ ft. high,  
 W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground for cor. of secs. 20, 21, 28 and 29, with  
 brass cap, marked,  
 T 8 N, R 9 W in N. half;  
 S 20 in NW.,  
 S 21 in NE.,  
 S 28 in SE., and  
 S 29 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 18x18x12 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 and adobe, 2nd rate.  
 Undergrowth, greasewood.

-----

East, on a random line, bet. secs. 21 and 28.  
 40.00 Set temp. ¼ sec. cor.  
 80.14 Intersect N. and S. line, 13 lks. N. of the cor. of secs. 21,  
 22, 27 and 28.  
 Thence I run,  
 N. 89° 54' W., on a true line, bet. secs. 21 and 28.  
 Over level land.

40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for ¼ sec. cor., with brass cap, marked,  
 ¼ S 21 in N., and  
 S 28 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist.,  
 and raise a mound of earth 3½ ft. base, 1½ ft. high,  
 N. of cor.

80.14 Cor. of secs. 20, 21, 28 and 29.  
 Land, level.  
 Soil, adobe and sandy, 2nd rate.  
 Undergrowth, greasewood.  
 At this cor., I set off 10° 44½' N. on decl. arc; and at  
 11h. 59.5m. a.m., l.m.t., I observe the sun on the  
 meridian; the resulting lat. is 34° 01' N.

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N. 0° 02' W., bet. secs. 20 and 21.  
 Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for ¼ sec. cor., with brass cap, marked,  
 ¼ S 20 in W., and  
 S 21 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist.,  
 and raise a mound of earth 3½ ft. base, 1½ ft. high, W.  
 of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground for cor. of secs. 16, 17, 20 and 21, with  
 brass cap, marked,  
 T 8 N R 9 W in N. half;  
 S 17 in NW.,  
 S 16 in NE.,  
 S 21 in SE., and  
 S 20 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and

Subdivision of Township 8 North, Range 9 West.

Chains.

raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
Land, level.  
Soil, adobe and sandy, 2nd rate.  
Undergrowth, greasewood.

40.00 East, on a random line, bet. secs. 16 and 21.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.08 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 15,  
16, 21 and 22.  
Thence I run,  
N.  $89^{\circ}56'$  W., on a true line, bet. secs. 16 and 21.  
Over level land.  
39.00 Dry wash, 15 lks. wide, 1 ft. banks, course south.  
40.04 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 16 in N., and  
S 21 in S. half;  
1914 in S. rim;  
dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N.  
of cor.  
71.00 Old road brs. NW. and SE.  
80.08 Cor. of secs. 16, 17, 20 and 21.  
Land, level.  
Soil, adobe and sand, 2nd rate.  
Undergrowth, greasewood.

N.  $0^{\circ}02'$  W., bet. secs. 16 and 17.  
Over level land.  
4.00 Old road brs. NW. and SE.  
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 17 in W., and  
S 16 in E. half;  
1914 in S. rim;  
dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist.,  
and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
west of cor.  
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground for cor. of secs. 8, 9, 16 and 17, with brass  
cap, marked,  
T 8 N R 9 W in N. half;  
S 8 in NW.,  
S 9 in NE.,  
S 16 in SE., and  
S 17 in SW. quadrants;  
1914 in S. rim;  
dig pits 18x18x12 ins., in each sec.  $5\frac{1}{2}$  ft. dist., and  
raise a mound of earth 4 ft. base, 2 ft. high, west of  
cor.  
Land, level.  
Soil, sandy and adobe, 2nd rate.  
Undergrowth, greasewood.  
Timber, none.

40.00 East, on a random line, bet. secs. 9 and 16.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.12 Intersect N. and S. line, 10 lks. N. of the cor. of secs.  
9, 10, 15 and 16.  
Thence I run,  
N.  $89^{\circ}56'$  W., on a true line, bet. 9 and 16.  
Over level land.

## 20. Subdivision of Township 8 North, Range 9 West.

Chains.

40.06 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  $\frac{1}{4}$  S 9 in N., and S 16 in S. half; 1914 in S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

80.12 Cor. of secs. 8, 9, 16 and 17.  
Land, level.  
Soil, adobe and sand, 2nd rate.  
Timber, none.  
Undergrowth, greasewood.

April 18, 1914.  
W. K. K.

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W. H. T.

April 21, 1914: Continued.  
From the cor. of secs. 8, 9, 16 and 17, I run, N.  $0^{\circ}02'$  W., bet. secs. 8 and 9.

Over level land.

27.40 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $40^{\circ}$  E.

31.70 Dry wash, 15 lks. wide, 2 ft. banks, course S.  $40^{\circ}$  E.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  $\frac{1}{4}$  S 8 in W., and S 9 in E. half; 1914 in S. rim;

dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

47.40 Old road, brs. E. and W.

55.00 Ascend south slope of hill.

63.18 Top of hill, 100 ft. high, brs. E. and W.; hill 18.00 chs. long.

69.50 Foot of hill.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with brass cap, marked,

T 8 N R 9 W in N. half;

S 5 in NW.,

S 4 in NE.,

S 9 in SE., and

S 8 in SW. quadrants;

1914 in S. rim;

dig pits 18x18x12 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.

Hill from 55.00 to 69.50 chs.

Soil, sandy, 2nd rate.

Timber, none.

Undergrowth, greasewood and mesquite brush, 4 to 6 ft. high.

-----  
At 3h. p. m., 1. m. t., I set off  $11^{\circ}49\frac{1}{2}'$  N. on the decl. arc;  $34^{\circ}03\frac{1}{2}'$  N. on the lat. arc, and determine a meridian with the solar at the cor. of secs. 4, 5, 8 and 9.

Thence I run,

East, on a random line, bet. secs. 4 and 9.

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

80.12 Intersect N. and S. line, 9 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence I run,

N.  $89^{\circ}56'$  W., on a true line, bet. secs. 4 and 9.

Over level land.

12.20 Dry wash, 15 lks. wide, 1 ft. banks, course S.  $5^{\circ}$  W.

26.90 Dry wash, 6 lks. wide, 3 ft. banks, course south.

Subdivision of Township 8 North, Range 9 West. 21.

Chains.

40.06 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 4 in N., and  
 S 9 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

44.70 Dry wash, 10 lks. wide, 2 ft. banks, course south.

76.60 Dry wash, 20 lks. wide, 4 ft. banks, course S. 10° W.

80.12 Cor. of secs. 4, 5, 8 and 9.  
 Land, level.  
 Soil, gravelly, 3rd rate.  
 Timber, scattering palo verde.  
 Undergrowth, greasewood brush, 4 to 5 ft. high.  
 Ocotillo, giant cactus and yucca palms.

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N. 0° 02' W., on a true line, bet. secs. 4 and 5.  
 Ascend gradual SW. slope to 40.00 chs.

39.80 Old road, brs. N. 20° E. and S. 30° W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 5 in W., and  
 S 4 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

Ascend SW. slope of hill over west point.

50.90 Top of hill brs. N. 30° W. and S. 30° E.  
 Descend NE. slope.

57.55 Foot of hill; dry wash 30 links wide, 2 ft. banks, course S. 20° E.

58.45 Old road brs. N. 20° W. and S. 20° E.

65.21 Intersect Second Standard Parallel North, 15.41 chs. west of the standard cor. of secs. 32 and 33, T. 9 N., R. 9 W., which is an iron post 3 ins. in diam., set in a mound of stone north of cor. At point of intersection I set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in the ground (could not set deeper for solid rock); build mound of stone 4 ft. base, 2 ft. high around post for closing cor. of secs. 4 and 5, with brass cap, marked,  
 T 8 N R 9 W in S. half;  
 C C S of center,  
 S 32 in NW.,  
 S 33 in NE.,  
 S 4 in SE., and  
 S 5 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth and stone 4 ft. base, 2 ft. high, S. of cor.

Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 Timber, scattering palo verde and ironwood.  
 Undergrowth, greasewood and mesquite brush.  
 Ocotillo and giant cactus.

April 21, 1914.  
W. H. T.

22. Subdivision of Township 8 North, Range 9 West.

Chains.

W.K.K.

April 20, 1914:

At 9h. a.m., l.m.t., I set off 11°24' N. on decl. arc; 33° 59' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on the south bdy. of the Tp., which is an iron post 3 ins. in diam., 1 ft. above ground, marked and witnessed by pits and mound.

Thence I run, N. 0°03' W., bet. secs. 31 and 32.

Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 31 in W., and 1/4 S 32 in E. half; 1914 in S. rim;

dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, west of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, with brass cap, marked,

T 8 N R 9 W in N. half;  
S 30 in NW.,  
S 29 in NE.,  
S 32 in SE., and  
S 31 in SW. quadrants;  
1914 in S. rim;

dig pits 18x18x12 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, adobe, 2nd rate.

Timber, none.

Undergrowth, greasewood and mesquite brush.

Native grass.

-----  
East, on a random line, bet. secs. 29 and 32.

40.00 Set temp. 1/4 sec. cor.

80.15 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence I run,

S. 89°58' W., on a true line, bet. secs. 29 and 32.

Over level land.

40.075 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with brass cap, marked, 1/4 S 29 in N., and 1/4 S 32 in S. half;

1914 in S. rim;

dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, north of cor.

80.15 Cor. of secs. 29, 30, 31 and 32.

Land, level.

Soil, adobe, 2nd rate.

Undergrowth, greasewood and mesquite.

Timber, none. Native grass.

-----  
West, on a random line, bet. secs. 30 and 31.

40.00 Set temp. 1/4 sec. cor.

78.72 Intersect west bdy. of Tp., 10 lks. S. of the cor. of secs. 25, 30, 31 and 36, established by W. H. Thorn, U. S. Surveyor, as described in Book "A."

Thence I run,

S. 89°56' E. on a true line, bet. secs. 31 and 31.

Over level land.

38.72 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in



Subdivision of Township 8 North Range 9 West. 23.

Chains.

the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 30 in N., and  
 S 31 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W. of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high,  
 north of cor.

78.72 Cor.of secs.29,30, 31 and 32.  
 Land,level.  
 Soil, adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood; native grass.

N.0°03'W., bet. secs.29 and 30.  
 Over level land.

40.00 Set an iron post 3 ft.long, 1 in.in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap,marked,  
 $\frac{1}{4}$  S 30 in W., and  
 S 29 in E.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 west of cor.

80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in  
 the ground for cor.of secs. 19,20,29 and 30, with brass  
 cap, marked,  
 T 8 N R 9 W in N.half;  
 S 19 in NW.,  
 S 20 in NE.,  
 S 29 in SE.; and  
 S 30 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$  ft. dist.,  
 and raise a mound of earth 4 ft.base, 2 ft.high, west  
 of cor.  
 Land,level.  
 Soil, adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood brush; native grass.  
 At this cor., I set off  $11^{\circ}26'$  N.on decl.arc; and at 11h.  
 59m. a.m.,l.m.t., I observe the sun on the meridian;  
 the resulting lat.is  $34^{\circ}01'$  N.

East, on a random line, bet. secs.20 and 29.

40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 80.13 Intersect N.and S. line, 8 lks.S.of the cor.of secs.20,  
 21,28 and 29.  
 Thence I run,  
 S. $89^{\circ}57'$ W., on a true line, bet. secs. 20 and 29.  
 Over level land.

40.065 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 20 in N., and  
 S 29 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft. high,  
 N.of cor.

80.13 Cor.of secs.19,20,29 and 30.  
 Land,level.  
 Soil, adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood; native grass.

24. Subdivision of Township 8 North Range 9 West.

Chains.

- West, on a random line, bet. secs.19 and 30.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 78.68 Intersect west bdy.of Tp., 5 lks.S.of the cor.of secs.19,  
 24,25 and 30, established by W.H.Thorn, U.S.Surveyor,  
 as described in Book "A."  
 Thence I run,  
 S.89°58'E., on a true line, bet. secs.19 and 30.  
 Over level land.  
 38.60 Dry wash, 15 lks.wide, 2 ft.banks, course south.  
 38.68 Set an iron post 3 ft.long, 1 in. in diam., 26 ins.in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 19 in N., and  
 $\frac{1}{4}$  S 30 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high,  
 north of cor.  
 78.68 Cor.of secs.19,20, 29 and 30.  
 Land, level.  
 Soil, adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood; native grass.

- N.0°03'W., bet. secs.19 and 20.  
 Over level land.  
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins.in  
 the ground for  $\frac{1}{4}$  sec.cor., marked with brass cap,  
 $\frac{1}{4}$  S 19 in W., and  
 $\frac{1}{4}$  S 20 in E.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,  
 and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft. high,  
 west of cor.  
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins.  
 in the ground for cor.of secs.17,18,19 and 20, with  
 brass cap, marked,  
 T 8 N R 9 W in N.half;  
 S 18 in NW.,  
 S 17 in NE.,  
 S 20 in SE.; and  
 S 19 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 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, adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood; native grass.

- East on a random line, bet. secs.17 and 20.  
 40.00 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.14 Intersect N.and S. line, 5 lks.S.of the cor.of secs.16,  
 17,20 and 21.  
 Thence I run,  
 S.89°58'W., on a true line, bet. secs. 17 and 20.  
 Over level land.  
 40.07 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in  
 the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 17 in N., and  
 $\frac{1}{4}$  S 20 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E. and W.of cor. 3 ft. dist.  
 and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft. high,  
 north of cor.

Subdivision of Township 8 North, Range 9 West.

Chains.

80.14 Cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, adobe, 2nd rate.  
 Undergrowth, greasewood; native grass.  
 April 20, 1914.

April 21, 1914: At 9h. a.m., l.m.t., I set off  $34^{\circ}01\frac{1}{2}'$  N. on the lat. arc;  $11^{\circ}44\frac{1}{2}'$  N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 17, 18, 19 and 20. Thence I run,  
 West, on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.57 Intersect west bdy. of Tp., 7 lks. S. of the cor. of secs. 13, 18, 19 and 24, established by W.H. Thorn, US. Surveyor, as described in Book "A."  
 Thence I run,  
 S.  $89^{\circ}57'$  E., on a true line, bet. secs. 18 and 19.  
 Over level land.  
 38.57 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 18 in N., and  
 $\frac{1}{4}$  S 19 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 78.57 Cor. of secs. 17, 18, 19 and 20.  
 Land, level.  
 Soil, gravel and adobe, 2nd rate.  
 Undergrowth, greasewood.

N.  $0^{\circ}03'$  W., bet. secs. 17 and 18.  
 Over level land.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 18 in W., and  
 $\frac{1}{4}$  S 17 in E. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap, marked,  
 T 8 N R 9 W in N. half;  
 S 7 in NW.  
 S 8 in NE.  
 S 17 in SE., and  
 S 18 in SW. quadrants;  
 1914 in S. rim;  
 dig pits 18x18x12 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, gravel and adobe, 2nd rate.  
 Undergrowth, greasewood, dense.

East, on a random line, bet. secs. 8 and 17.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.12 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 8, 9, 16 and 17.  
 Thence I run,

26. Subdivision of Township 8 North, Range 9 West.

Chains.

S.89° 57'W., on a true line, bet. secs.8 and 17.  
Over level land.

40.06 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 8 in N., and  
 S 17 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

80.12 Cor.of secs.7,8,17 and 18.  
Land, level.  
Soil, gravel, and adobe, 2nd rate.  
Timber, none.  
Undergrowth, dense greasewood.

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West, on a random line, bet. secs.7 and 18.  
Set temp. $\frac{1}{4}$  sec.cor.

40.00 Intersect west bdy.of Tp., 14 lks.S. of the cor.of secs.  
7,12,13 and 18, established by W.H.Thorn,U. S.Survey  
78.50 or,as described in Book "A."  
Thence I run,  
S.89 54'E., on a true line, bet. secs.7 and 18.  
Descend over east slope of hill.

8.50 Foot of descent; thence level land.

38.50 Set an iron post 3 ft.long, 1 in. in diam.,26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 7 in N., and  
 S 18 in S.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.

78.50 Cor.of secs.7,8,17 and 18.  
Land, nearly all level.  
Soil, gravel and adobe, 2nd rate.  
Timber, none.  
Undergrowth, greasewood; dense on level.  
At this cor., I set off  $11^{\circ} 46\frac{1}{2}'$ N.on the decl.arc; and at 11h. 58.8m. a.m.,l.m.t., I observe the sun on the meridian; the resulting lat. is  $34^{\circ} 02\frac{1}{2}'$ N.

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N.0°03'W., bet. secs.7 and 8.  
Over level land.

38.00 Old road brs.NW. and SE.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec.cor., with brass cap, marked,  
 $\frac{1}{4}$  S 7 in W., and  
 S 8 in E.half;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., N.and S.of cor.3 ft. dist., and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

59.00 Old road, brs.E.and W.

80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.5,6,7 and 8, with brass cap, marked,  
 T 8 N R 9 W in N.half;  
 S 6 in NW.,  
 S 5 in NE.,  
 S 8 in SE., and  
 S 7 in SW.quadrants;  
 1914 in S.rim;  
 dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$  ft. dist.,and raise a mound of earth 4 ft.base, 2 ft.high, west of cor.

Chains.

Land, level.  
Soil, gravel and adobe, 2nd rate.  
Timber, none.  
Undergrowth, dense greasewood.

East, on a random line, bet. secs. 5 and 8.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.14 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 4, 5, 8 and 9.  
 Thence I run,  
 S.  $89^{\circ}56'$  W., on a true line, bet. secs. 5 and 8.  
 Over level land.  
 20.10 Dry wash, 50 lks. wide, 4 ft. banks, course S.  $45^{\circ}$  E.  
 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 5 in N., and  
 S 8 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 80.14 Cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, gravel and adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, greasewood (dense).

At 3h. p.m., l.m.t., I set off  $11^{\circ}49\frac{1}{2}'$  N. on decl. arc;  $34^{\circ}03\frac{1}{2}'$  N. on lat. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 7 and 8.  
 Thence I run,  
 West, on a random line, bet. secs. 6 and 7.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 78.45 Intersect west bdy. of Tp., 7 lks. S. of the cor. of secs. 1, 6, 7 and 12, established by W. H. Thorn, U. S. Surveyor, as described in Book "A."  
 Thence I run,  
 S.  $89^{\circ}57'$  E., on a true line, bet. secs. 6 and 7.  
 Over level land.  
 38.45 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 6 in N., and  
 S 7 in S. half;  
 1914 in S. rim;  
 dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, north of cor.  
 53.40 Old road, brs. NW. and SE.  
 78.45 Cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, gravel and adobe, 2nd rate.  
 Timber, none.  
 Undergrowth, dense greasewood.

N.  $0^{\circ}03'$  W., on a true line, bet. secs. 5 and 6.  
 Ascend over gradual S. slope.  
 25.00 Dry wash, 50 lks. wide, 3 ft. banks, course SE.  
 28.00 Old road, brs. E. and W.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap, marked,  
 $\frac{1}{4}$  S 6 in W., and  
 S 5 in E. half;  
 1914 in S. rim;

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Subdivision of Township 8 North, Range 9 West.

Chains.

59.00  
65.42

dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, west of cor.

Dry wash, 50 lks. wide, 4 ft. banks, course S.  $10^{\circ}$  W.

Intersect Second Standard Parallel North, 15.71 chs. W. of the Standard cor. of secs. 31 and 32, T. 9 N., R. 9 W., which is an iron post 3 ins. in diam., 24 ins. in the ground, properly marked and witnessed by mound of stone on north. At point of intersection,

I set an iron post 3 ft. long, 3 ins. in diam., 12 ins. in the ground (could not set deeper for solid rock) build mound of stone 2 ft. base, 1 ft. high around post for closing cor. of secs. 5 and 6, with brass cap, marked,

C C S of center,  
T 9 N R 9 W in N. half;  
S 31 in NW.,  
S 32 in NE.,  
S 5 in SE., and  
S 6 in SW. quadrants;  
1914 in S. rim;

pits impracticable. Build a mound of stone 3 ft. base,  $2\frac{1}{2}$  ft. high, S. of cor.

Land, rolling.

Soil, gravel, 3rd rate.

Timber, scrub palo verde, and mesquite.

Undergrowth, greasewood, catsclaw, club cactus, giant cactus and Mohave palms.

April 21, 1914.

W. K. K.

GENERAL DESCRIPTION.

About three-quarters of this township is good level adobe soil, covered with greasewood and mesquite brush 4 to 12 ft. high. Scattering patches of good grass. High granite hills 50 to 1300 ft. above the plain, extending through secs. 2, 3, 4, 10, 11, 12, 13, 14 and 24. They are very steep broken, and covered with boulders; no soil. Difficult to chain. There is a cabin located in the NE.  $\frac{1}{4}$  of the NE.  $\frac{1}{4}$  of sec. 10, not occupied. There is a well about 20 ft. deep in the SW. cor. of sec. 2, which afforded water for camp, and nine head of stock while I was camped in this township. There are no settlers living in this township.

*W. H. Brown*  
U. S. Surveyor.

*W. A. Dinsdale*  
U. S. Transitman.

270  
28  
BOOK 2841

FOR FINAL OATH OF UNITED STATES SURVEYOR & TRANSITMAN.

*See Book D.*

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

U. S. Surveyor.

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix Ariz.* DEC 30, 1915

The foregoing field notes of the survey of *the subdivisions lines of Township 8 North Range 9 West of the Gila and Salt River Base and Meridian, in the State of Arizona*

executed by *W. H. Thom & Son* and *W. H. Kierulff* U. S. Transitman under his special instructions dated *February 17th, 1914* for Group *34*, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank Ingalls*  
 Surveyor General.  
 OF ARIZONA.

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