

BOOK "R"

JAN. 12 1914  
Feb 3 " 10-

# FIELD NOTES

OF THE SURVEY OF THE *Completion of*

Subdivision Lines of Tp. 14 S. Rg. 29 E. and

Resurvey of the South Boundary of Tp. 13 S. Rg. 29 E.

Of the *Gila and Salt River Base and Meridian,*

In the State of *Arizona.*

EXECUTED BY

*John F. Hesse*

In the capacity of U. S. Surveyor, under instructions dated *April 23rd, 1913,*  
issued by the United States Surveyor General to govern surveys included in  
Group No. *18,* which were approved by the Commissioner of the General Land  
Office, *May 7th,* 1913, pursuant to authority contained in the Act of  
Congress dated *August 23rd, 1912*

*and resurvey*  
Survey, commenced *June 6,* 1913.

*and resurvey*  
Survey, completed *June 14,* 1913.

BOOK 2668

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Completion of Subs. in

Township 14 S, Range 29 E

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1B

Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains. Survey commenced June 6, 1913 and executed with a W. and L.E. Gurley transit, not numbered, with solar attachment. The horizontal limb is provided with one double vernier, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The instrument was approved by the Supervising Surveyor August 28, 1912.

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

At my camp which is situated near the cor. of secs. 26, 27, 34 and 35, Tp. 14 S. R. 29 E., latitude 32°10'40"N. longitude 109°34'09"W., I set off 32°10'N. on the lat. arc 22°42'N. on the decl. arc and at 5h.00m. p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground 5 chs. N. of my station.

June 6, 1913.

June 7<sup>1913</sup> At 2h.33m. a.m., by my watch, which has correct l.m.t., I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground 5 chs. N. of my station.

At 6h.00m. a.m., l.m.t., I lay off the azimuth of Polaris 1°22' to the west, and mark the meridian thus determined by cutting a small groove in the stone set June 6<sup>1913</sup> on which the meridian falls 0.3 ins. east of the mark determined by the solar.

At 7h.00m. a.m. l.m.t., I set off 32°10'N. on the lat. arc, 22°45'N. on the decl. arc and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark 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 0'16" E. and W. of 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. l.m.t. is N13°30'W.; the angle thus determined gives the mag. decl. 13°30'E.

At 9h.00m. a.m. l.m.t., I set off 32°11'N. on the lat. arc 22°45'N. on the decl. arc and determine a meridian with the solar at the closing cor. of secs. 29 and 30, on the N. bdy. of Camp Bowie Military Reservation, which is a quartzite stone 12x6x6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.

Thence I run

N0°01'E bet. secs. 29 and 30.

Over rolling land, through dense brush.

1.15

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap<sup>1913</sup> S30 in W. and S29 in E. half; dig pits 18x18x12 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.

41.15

Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap<sup>1913</sup>; T14SR29E in N. half; S19 in N.W.

S20 in N.E. and S29 in S.E. and S30 in S.W. quadrant; 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, rolling. Soil, sandy loam mixed with gravel, coarse texture, dry, 2nd rate.

## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains.	No timber. Undergrowth, greasewood and chaparral.
	-----
	West, on random line, bet. secs. 19 and 30
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect W. bdy. of tp. 3 lks. S. of cor. of secs. 19, 24, 25 and 30, recently estab. by me & described in Book "Q"
	Thence I run
	S89°59'E, on true line, bet. secs. 19 and 30
	Over rolling land, through dense brush.
29.42	Wash, 12.50 chs. wide, course N.E.
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 <sup>19/31</sup> S19 in N. and S30 in S. half; dig pits 18x18x12 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.
80.02	The cor. of secs. 19, 20, 29 and 30, hereinbefore described. Land, rolling. Soil, sandy loam over 2 ft. deep, mixed with coarse gravel, coarse texture, dry. 2nd rate. No timber. Undergrowth, greasewood, catclaw and mesquite.
	-----
	N0°01'E, bet. secs. 19 and 20,
	Over gently rolling land, through dense brush.
29.00	Leave 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 <sup>19/31</sup> S19 in W. and S20 in E. half; dig pits 18x18x12 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.
58.90	Wash, 12 lks. wide, course N.E., enter brush.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap, <sup>19/31</sup> T14SR29E in N. half; S18 in N.W. S17 in N.E. S20 in S.E. and S19 in S.W. quadrant; 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, gently rolling. Soil, sandy loam over 2 ft. deep, mixed with gravel, coarse texture, dry, 2nd rate. No timber. Undergrowth, greasewood, mesquite, catclaw and cactii. From this cor. J. Dickson's frame house bears N24°41'E. Herbert Rowley's house tent bears N30°W.
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	N29°59'W, on random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect W. bdy. of Tp., 3 lks. N. of cor. of secs. 13, 18, 19 and 24, recently estab. by me & described in Book "Q"
	Thence I run
	East, on true line, bet. secs. 18 and 19
	Over gently rolling land, through scattering brush.
29.45	Wash, 30 lks. wide, course N.E.
40.05	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>19/31</sup> S18 in N. and S19 in S. half; dig pits 18x18x12 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.
64.50	Dim road, bears N.E. and S.W., brush becomes dense.
80.10	The cor. of secs. 17, 18, 19 and 20, hereinbefore described. Land, gently rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.

Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains	No timber Undergrowth, mesquite, catclaw and cacti.
-----	
	N0°01'E, bet. secs. 17 and 18 Over gently rolling land, through dense brush.
5.00	Leave brush.
16.10	Road, bears E. and W.
16.60	Fence, bears E. and W., enter cultivated land.
16.68	J. Dickson's house bears N69°45'E. Herbert Rowley's house tent bears N71°10'W.
27.15	Fence, bears E. and W., leave cultivated field.
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 <sup>1931</sup> S18 in W. and S17 in E. half; dig pits 18x18x12 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.
58.06	Enter scattering brush, soil changes from 1st to 2nd rate. 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. 7, 8, 17 and 18; marked on brass cap <sup>1913</sup> ; T14SR29E in N. half; S7 in N.W. S8 in N.E. S17 in S.E. and S18 in S.W. quadrant; 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, gently rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate, 58.00 chs. Sandy loam mixed with gravel 12 ins. deep, coarse texture, dry, 2nd rate. No timber Undergrowth, greasewood and mesquite. June 7 <sup>1913</sup> At this cor. I set off 22°44 $\frac{1}{2}$ 'N. on the decl. arc and observe the sun on the meridian at noon; the resulting latitude is 32°13'N.
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	West, on random line, bet. secs. 7 and 18
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect W. bdy. of Tp., 3 lks. N. of cor. of secs. 7, 12, 13 and 18, recently estab. by me & described in Book "Q" Thence I run N89°59'E, on true line, bet. secs. 7 and 18. Over rolling land, through dense brush.
17.45	Road, bears S.E. and N.W.
40.05	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1931</sup> S7 in N. and S18 in S. half; dig pits 18x18x12 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.
58.60	Brush becomes scattering.
80.10	The cor. of secs. 7, 8, 17 and 18, hereinbefore described. Land, rolling. Soil, sandy loam mixed with coarse gravel 16 ins. deep, coarse texture, dry, 2nd rate. No timber. Undergrowth, mesquite and chaparral.
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	N0°01'E, bet. secs. 7 and 8. Over rolling land, through scattering brush.
10.00	Brush becomes dense.
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 <sup>1931</sup> S7 in W. and S8 in E. half; dig pits 18x18x12 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.
67.28	Road, bears N.E. and S.W.

## Completion of Subdivision of Tp. 14 S. R29E.

- Chains.
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 and 8, marked on brass cap, 1913;  
T14SR29E in N. half;  
S6 in N.W.  
S5 in N.E.  
S8 in S.E. and  
S7 in S.W. quadrant; 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, rolling.  
Soil, sandy loam mixed with gravel and scattering rbcks, about 16 ins. deep, coarse texture, dry, 2nd rate.  
No timber.  
Undergrowth, mesquite, catclaw and greasewood.
- 
- 40.00 S89°59'W, on random line, bet. secs. 6 and 7.  
Set temp. ¼ sec. cor.
- 80.08 Intersect W. bdy. of Tp. 2 lks. N. of cor. of secs. 1, 6, 7 and 12, recently estab. by me & described in Book "Q"  
Thence I run  
N89°58'E, on true line bet. secs. 6 and 7.  
Over rolling land, through dense brush.
- 40.04 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913; S6 in N. and S7 in S. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
- 80.08 The cor. of secs. 5, 6, 7 and 8, hereinbefore described.  
Land, rolling  
Soil, sandy loam about 16 ins. deep, mixed with gravel, coarse texture, dry, 2nd rate.  
No timber.  
Undergrowth, greasewood, chaparral and mesquite.
- 
- 40.00 North, bet. secs. 5 and 6, on true line,  
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, 1913; S6 in W. and S5 in E. half; dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
- 57.58 Intersect N. bdy. of Tp. at a point from which the cor. of secs. 31 and 32, re-estab. by me yesterday, as herein after described, bears S89°53'W., 6.65 chs. dist.,  
At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs 5 and 6, marked on brass cap, 1913;  
CC, S. of center;  
T13S, S31, S32 in N.  
T14S in S. and  
R29E in W. half;  
S5 in S.E. and  
S6 in S.W. quadrant; dig pits 24x18x12 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.  
Land, rolling.  
Soil, sandy loam 16 ins. deep, mixed with gravel, coarse texture, dry, 2nd rate.  
No timber.  
Undergrowth, catclaw, mesquite and chaparral.

June 7, 1913.

June 9<sup>1913</sup> At 7h.00m. a.m. l.m.t., I set off 32°11'N. on the lat. arc, 22°56'N. on the decl. arc and determine a meridian at the closing cor. of 28 and 29 on N. bdy. of Camp

1908

Completion of Subdivision of Tr. 14 S. E. 29 E.

Chains. Bowie Military Reservation, which is a granite stone 10x 8x6 ins. above ground, well set and marked and witnessed as described by the Surveyor General.

Thence I run N0°01'E, bet. secs. 28 and 29, Over rolling land, through dense brush. 1.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1913 S29 in W. and S28 in E. half; dig pits 18x18x12 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. 41.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap, 1913; T14SR29E in N. half; S20 in N.W. S21 in N.E. S28 in S.E. and S29 in S.W. quadrant; 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, rolling. Soil, sand mixed with coarse gravel and rock, coarse texture, dry, 3rd rate. No timber. Undergrowth, greasewood.

----- West, on random line, bet. secs. 20 and 29. 40.00 Set temp. 1/4 sec. cor. 80.24 Intersect N. and S. line, 9 lks. S. of cor. of secs. 19, 20, 29 and 30, hereinbefore described, Thence I run S89°56'E, on true line, bet. secs. 20 and 29 Over rolling land, through dense brush. 6.59 Road, bears N. and S. 40.12 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1913 S20 in N. and S29 in S. half; dig pits 18x18x12 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. 60.00 Soil changes from 1st to 3rd rate. 80.24 The cor. of secs. 20, 21, 28 and 29, hereinbefore described. Land, rolling. Soil, sandy loam mixed with gravel over 2 ft. deep, medium texture, dry, 1st rate, 60.00 chs. Sand mixed with coarse gravel and rocks, coarse texture, dry, 3rd rate. No timber. Undergrowth, greasewood and chaparral.

----- N0°01'E, bet. secs. 20 and 21. 40.00 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., marked on brass cap 1913 S20 in W. and S21 in E. half; dig pits 18x18x12 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. 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap, 1913; T14SR29E in N. half; S17 in N.W. S16 in N.E. S21 in S.E. and S20 in S.W. quadrant; raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, sand mixed with coarse gravel and rocks, coarse texture, dry, 3rd rate. No timber. Undergrowth, greasewood and chaparral.

## Completion of Subdivision of Tr. 14 S. E. 29 E.

Chains.	N89°56'W, on random line, bet. secs. 17 and 20,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.26	Intersect N. and S. line 3 lks. N. of cor. of secs. 17, 18, 19 and 20, hereinbefore described,
	Thence I run
	S89°57'E, on true line, bet. secs. 17 and 20.
	Over rolling land, through dense brush
7.66	Road, bears N. and S.
40.13	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 <sup>1931</sup> S17 in N. and S20 in S. half; dig pits 18x18x12 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.
47.56	Road, bears N.E. and S.W.
50.00	Soil, changes from 2nd to 3rd rate.
80.26	The cor. of secs. 16, 17, 20 and 21, hereinbefore described.
	Land, rolling.
	Soil, sandy loam over 2 ft. deep mixed with coarse gravel coarse texture, dry, 2nd rate, 50.00 chs. Sand mixed with coarse gravel and rocks, coarse texture, dry, 3rd rate. 30.00 chs.
	No timber.
	Undergrowth, greasewood, mesquite and chaparral.
	June 9 <sup>1913</sup> At this cor. I set off 22°56'N. on the decl. arc and observe the sun on the meridian at noon; the resulting latitude is 32°12'N.
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	N0°01'E, bet. secs. 16 and 17.
	Over rolling land, through dense brush
8.00	Soil changes from 3rd to 1st rate.
22.82	Road, bears N.E. and S.W.
37.02	Sabel Dickson's cabin bears N37°14'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 <sup>1931</sup> S17 in W. and S16 in E. half; dig pits 18x18x12 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.
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, <sup>1913</sup>
	T14SR29E in N. half;
	S8 in N.W,
	S9 in N.E.
	S16 in S.E. and
	S17 in S.W. quadrant; 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, rolling.
	Soil, sandy loam, mixed with coarse gravel and rock, coarse texture, dry, 3rd rate, 8.00 chs. Sandy loam over 2 ft. deep, medium texture, dry, 1st rate, 72.00 chs.
	No timber.
	Undergrowth, greasewood, chaparral and mesquite.
	From this cor.
	Sabel Dickson's cabin bears S59°50'E.
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	N89°57'W, on random line, bet. secs. 8 and 17
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect N. and S. line, 3 lks. N. of cor. of secs. 7, 8, 17 and 18, hereinbefore described,
	Thence I run
	S89°58'E, on true line, bet. secs. 8 and 17
	Over rolling land, through dense brush.
40.14	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 <sup>1931</sup> S8 in N. and S17 in S. half; dig pits 18x18x12 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.
80.28	The cor. of secs. 8, 9, 16 and 17, hereinbefore described.
	Land, rolling.



## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains.	Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, greasewood and mesquite.
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	N0°01'E, bet. secs. 8 and 9. 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., marked on brass cap, <sup>1913</sup> S8 in W. and S9 in E. half; dig pits 18x18x12 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.
54.50	Road, bears N.E. and S.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 cap, <sup>1913</sup> ; T14SR29E in N. half; S5 in N.W. S4 in N.E. S9 in S.E. and S8 in S.W. quadrant; 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, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, greasewood, chaparral and mesquite.
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	N89°58'W, on random line, bet. secs. 5 and 8
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.28	Intersect N. and S. line, 2 lks. N. of cor. of secs. 5, 6, 7 and 8, hereinbefore described, Thence I run S89°59'E, on true line, bet. secs. 5 and 8. Over rolling land, through dense brush.
1.36	Road, bears N.E. and S.W.
40.14	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, <sup>1913</sup> S5 in N. and S8 in S. half; dig pits 18x18x12 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.
80.28	The cor. of secs. 4, 5, 8 and 9, hereinbefore described. Land, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, greasewood, chaparral and mesquite.
	June 9, 1913.
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	June 13 <sup>1913</sup> North, bet. secs. 4 and 5, on true line, 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., marked on brass cap, <sup>1913</sup> S5 in W. and S4 in E. half; dig pits 18x18x12 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.
57.86	Intersect N. Bdy. of Tp. at a point from which the cor. of secs. 32 and 33 <sup>re-established by me yesterday as hereinbefore described</sup> bears S88°48'W, 7.21 chs. dist. At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 4 and 5, marked on brass cap, <sup>1913</sup> ; CC, S. of center. T13S, S32, S33 in N. T14S in S. and R29E in W. half; S4 in S.E. and S5 in S.W. quadrant; dig pits 24x18x12 ins. crosswise on

Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains. 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.  
 Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
 No timber.  
 Undergrowth, greasewood, chaparral, catclaw and mesquite.

June 12, 1913.

June 10<sup>1913</sup> At 7h.00m. a.m., l.m.t., I set off 32°09'N. on the lat. arc, 23°01'N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp. recently estab. by me as described in Book "Q"

Thence I run

N0°02'E, bet. secs. 33 and 34.

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., marked on brass cap<sup>1913</sup> S33 in W. and S34 in E. half; dig pits 18x18x12 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.

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,<sup>1913</sup>

T14SR29E in N. half;

S38 in N.W.

S27 in N.E.

S34 in S.E. and

S33 in S.W. quadrant; 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, rolling.

Soil, sandy loam over 2 ft; deep, medium texture, dry, 1st rate.

No timber.

Undergrowth, mesquite, catclaw and cacti.

18.13 West, on random line bet. secs. 28 and 33  
 Intersect E. bdy. of Camp Bowie Military Reservation 10 lks. S. of old closing cor. of secs. 28 and 33, which is a granite stone 12x8x6 ins. above ground, well set, marked and witnessed as described by the Surveyor General.

Thence I run

S89°41'E, on true line, bet. secs. 28 and 33.

Over rolling land, through dense brush.

1.08 Wash, 16 lks. wide, beurse N.E.

18.13 The cor. of secs. 27, 28, 33 and 34, hereinbefore described.

Land, rolling.

Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.

No timber.

Undergrowth, greasewood, mesquite and catclaw.

Completion of Subdivision of Tr. 14 S. R. 29 E.

Chains. NO°02'E, bet. secs. 27 and 28  
 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., marked on brass cap<sup>1931</sup> S28 in W. and S27 in E. half; dig pits 18x18x12 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.  
 74.50 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. 21, 22, 27 and 28, marked on brass cap<sup>1931</sup>;  
 T14SR29E in N. half;  
 S21 in N.W.  
 S22 in N.E.  
 S27 in S.E. and  
 S28 in S.W. quadrant; 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, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
 No timber.  
 Undergrowth, mesquite, catclaw and cacti.

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 N89°41'W, on random line, bet. secs. 21 and 28  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.74 Intersect N. and S. line 25 lks. N of cor. of secs. 20, 21, 28 and 29, hereinbefore described,  
 Thence I run  
 S89°52'E, on true line, bet. secs. 21 and 28  
 Over rolling land, through dense brush.  
 16.09 Wash, 28 lks. wide, course N.E., soil changes from 3rd to 1st rate.  
 39.87 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<sup>1931</sup> S21 in N. and S28 in S. half; dig pits 18x18x12 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.  
 48.34 Wash, 40 lks. wide, course N.E.  
 73.57 Road, bears N.E. and S.W.  
 78.83 Road, bears N.W. and S.E.  
 79.74 The cor. of secs. 21, 22, 27 and 28, hereinbefore described.  
 Land, rolling.  
 Soil, sand mixed with coarse gravel and rocks, coarse texture, dry, 3rd rate, 16.00 chs. Sandy loam over 2 ft. deep, medium texture, dry, 1st rate, 64.00 chs.  
 No timber.  
 Undergrowth, greasewood, mesquite and catclaw.  
 June 10<sup>1931</sup> At this cor. I set off 23°01'N. on the decl. arc, and observe the sun on the meridian at noon; the resulting latitude is 32°11'N.

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 NO°02'E, bet. secs. 21 and 22  
 Over rolling land, through dense brush.  
 13.35 Road, bears N.E. and S.W.  
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap<sup>1931</sup> S21 in W. and S22 in E. half; dig pits 18x18x12 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.  
 75.00 Leave brush.  
 80.00 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<sup>1931</sup>;  
 T14SR29E in N. half;  
 S16 in N.W.  
 S15 in N.E.  
 S22 in S.E. and  
 S21 in S.W. quadrant; 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.

## Completion of Subdivision of Tr. 14 S. R. 29 E.

Chains.	Land, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, mesquite, catclaw and cacti.
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40.00	N89°52'W, on random line, bet. secs. 16 and 21
79.76	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 2 lks. S. of cor. of secs. 16, 17, 20 and 21, hereinbefore described, Thence I run
23.41	S89°51'E, on true line, bet. secs. 16 and 21.
39.88	Over rolling land, through dense brush. Wash 15 lks. wide, course N.W. 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 $\frac{193}{1}$ S16 in N. and S21 in S. half; dig pits 18x18x12 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.
59.41	Road, bears N.W. and S.E.
67.76	Levee brush.
79.76	The cor. of secs. 15, 16, 21 and 22, hereinbefore described. Land, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, mesquite, catclaw and cacti.
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26.00	N0°02'E, bet. secs. 15 and 16. Over rolling land; through Enter 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 $\frac{193}{1}$ S16 in W. and S15 in E. half; dig pits 18x18x12 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; Brush becomes scattering.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for dor. of secs. 9, 10, 15 and 16, marked on brass cap, 1913; T148R29E in N. half; S9 in N.W. S10 in N.E. S15 in S.E. and S16 in S.W. quadrant; 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, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, mesquite, catclaw and cacti.
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40.00	N89°51'W, on random line, bet. secs 9 and 16
79.74	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 2 lks. N. of dor. of secs. 8, 9, 16 and 17, hereinbefore described Thence I run
21.24	S89°52'E, on true line, bet. secs. 9 and 16
37.46	Over rolling land, through dense brush.
39.87	Fence, bears N. and S. Fence, bears N. and S., brush becomes scattering. 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 $\frac{193}{1}$ S9 in N. and S16 in S. half; dig pits 18x18x12 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.
79.74	The cor. of secs. 9, 10, 15 and 16, hereinbefore described.

Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains. Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry,  
 1st rate.  
 No timber.  
 Undergrowth, mesquite, greasewood, catclaw and cacti.

June 10, 1913.

June 12<sup>1913</sup> At 7h.00m.a.m., l.m.t., I set off 32°13'N. on the lat. arc 23°10'N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16, hereinbefore described,

Thence I run

NO°02'E, bet. secs. 9 and 10,  
 Over rolling land, through scattering brush.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap<sup>1913</sup> S9 in W. and S10 in E. half; dig pits 18x18x12 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.

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<sup>1913</sup> T14SR29E in N. half;  
 S4 in N.W.  
 S3 in N.E.  
 S10 in S.E. and  
 S9 in S.W. quadrant; 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, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry,  
 1st rate.  
 No timber.  
 Undergrowth, mesquite and cacti.

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N89°52'W, on random line, bet. secs. 4 and 9

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

79.72 Intersect N. and S. line, 3 lks. S. of cor. of secs. 4, 5, 8 and 9, hereinbefore described

Thence I run

S89°51'E, on true line, bet. secs. 4 and 9  
 Over rolling land, through dense brush.

23.62 Road, bears N.E. and S.W., brush becomes scattering.

38.72 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for witness<sup>cor. to</sup> sec. cor., marked on brass cap<sup>1913</sup> WC $\frac{1}{4}$  in E. half; S4 in N.W. and S9 in S.W. quadrant; dig pits 18x18x12 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.

39.86 Point for  $\frac{1}{4}$  sec. cor. falls in wash 10 lks, wide, course N.E

79.72 The cor. of secs. 3, 4, 9 and 10, hereinbefore described.

Land, rolling  
 Soil, sandy loam over 2 ft. deep, medium texture, dry,  
 1st rate.  
 No timber.  
 Undergrowth, greasewood and chaparral.

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North, bet. secs. 3 and 4, on true line,  
 Over rolling land, through scattering brush

10.00 Brush becomes dense.

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<sup>1913</sup> S4 in W. and S3 in E. half; dig pits 18x18x12 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.

58.43 Intersect N. Bdy. of Tp. at a point from which the cor. of secs. 33 and 34 bears S89°52'W. 6.37 chs. dist.  
 At point of intersection set an iron post 3 ft. long, 2

## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains. ins. diam., 24 ins. in the ground for closing cor. of secs. 3 and 4, marked on brass cap, 1913; CC S. of center, T. T13S, S33, S34 in N. T14S in S. and R29E in W. half; S3 in S.E. and S4 in S.W. quadrant; dig pits 24x18x12 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. Land, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, greasewood, catclaw, mesquite, cacti and chaparral.

June 12, 1913.

June 11<sup>1913</sup> At 7h.00m. a.m. l.m.t., I set off 32°09'N. on the lat. arc, 23°06'N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. Recently established by me as described in Book 2. Thence I run, N0°02'E., bet. secs. 34 and 35.

Over rolling land, through dense brush,  
10.61 Road, bears N.E. and S.W.  
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap<sup>1913</sup> S34 in the W. and S35 in E. half; dig pits 18x18x12 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.  
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, 1913; T14SR29E in N. half; S27 in N.W. S26 in N.E. S35 in S.E. and S34 in S.W. quadrant; 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, rolling. Soil, sand mixed with gravel and rock, coarse texture, dry, 3rd rate. No timber. Undergrowth, mesquite, catclaw and cacti.

West, on random line, bet. secs. 27 and 34  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
79.98 Intersect N. and S. line, 7 lks. S. of cor. of secs. 27, 28, 33 and 34, hereinbefore described, Thence  $\frac{1}{4}$  run S89°57'E., on true line, bet. secs. 27 and 34. Over rolling 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<sup>1913</sup> S27 in N. and S34 in S. half; dig pits 18x18x12 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.  
40.38 Wash, 10 lks. wide, course N.E., soil changes from 1st to 3rd rate.  
40.48 Road, bears N.W. and S.E.  
79.98 The cor. of secs. 26, 27, 34 and 35, hereinbefore described. Land, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate, 40.00 chs. Sandy loam mixed with coarse gravel and rock, coarse texture, dry, 3rd rate. 40.00 chs. No timber. Undergrowth, mesquite, catclaw and cacti.

## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains.	NO°02'E, bet. secs. 26 and 27, Over rolling land, through dense brush.
10.00	Soil changes from 3rd to 1st rate.
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 <sup>1913</sup> S27 in W. and S26 in E. half; dig pits 18x18x12 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.
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 <sup>1913</sup> ; T14SR29E in N. half; S22 in N.W. S23 in N.E. S26 in S.E. and S27 in S.W. quadrant; 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, rolling. Soil, sand mixed with coarse gravel and rock, coarse texture, dry, 3rd rate, 10.00 chs. Sandy loam over 2 ft. deep, medium texture, dry, 1st rate. 70.00 chs. No timber. Undergrowth, mesquite, catclaw and chaparral.
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	N89°57'W, on random line, bet. secs. 22 and 27
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line 9 lks. S. of cor. of secs, 21, 22, 27 and 28, hereinbefore described, Thence I run S89°53'E, on true line, bet. secs. 22 and 27
40.00	Over rolling 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 <sup>1913</sup> S22 in N. and S27 in S. half; dig pits 18x18x12 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.
80.00	The cor. of secs. 22, 23, 26 and 27, hereinbefore described. Land, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, greasewood and chaparral. June 11 <sup>1913</sup> At this cor. I set off 23°05 $\frac{1}{2}$ 'N. on the decl. arc and observe the sun on the meridian at noon; the resulting latitude is 32°11'N.
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	NO°02'E, bet. secs. 22 and 23.
40.00	Over rolling 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 <sup>1913</sup> S22 in W. and S23 in E. half; dig pits 18x18x12 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.
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 <sup>1913</sup> ; T14SR29E in N. half; S15 in N.W. S14 in N.E. S23 in S.E. and S22 in S.W. quadrant; 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, rolling. Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate. No timber. Undergrowth, greasewood, chaparral and mesquite.

Completion of Subdivision of Tn. 14 S. R. 29 E.

Chains. N89°53'W, on random line, bet. secs. 15 and 22  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect N. and S. line, 2 lks. N. of cor. of secs. 15, 16, 21 and 22, hereinbefore described,  
Thence I run  
S89°54'E, on true line, bet. secs. 15 and 22  
Over rolling land.  
14.00 Enter dense brush.  
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<sup>1913</sup> S15 in N. and S22 in S. half; dig pits 18x18x12 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.  
53.92 Road, bears N.E. and S.W.  
80.02 The cor. of secs. 14, 15, 22 and 23, hereinbefore described.  
Land, rolling.  
Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
No timber.  
Undergrowth, greasewood, mesquite and catclaw.

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N0°02'E, bet. secs. 14 and 15  
Over rolling land, through dense brush.  
4.00 Brush becomes scattering.  
19.15 Road, bears N.E. and S.W.  
40.00 Set an iron post 3 ft. long, 1 in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap<sup>1913</sup> S15 in W. and S14 in E. half; dig pits 18x18x12 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.  
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<sup>1913</sup>;  
T14SR29E in N. half;  
S10 in N.W.  
S11 in N.E.  
S14 in S.E. and  
S15 in S.W. quadrant; 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, rolling.  
Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
No timber.  
Undergrowth, greasewood, and mesquite.

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N89°54'W, on random line, bet. secs. 10 and 15  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
80.04 Intersect N. and S. line, 3 lks. N. of cor. of secs. 9, 10, 15 and 16, hereinbefore described,  
Thence  $\frac{1}{4}$  run  
S89°55'E, on true line, bet. secs. 10 and 15.  
Over rolling land, through dense brush.  
40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked on brass cap<sup>1913</sup> S10 in N. and S15 in S. half; dig pits 18x18x12 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.  
77.00 Brush becomes scattering.  
80.04 The cor. of secs. 10, 11, 14 and 15, hereinbefore described.  
Land, rolling.  
Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
No timber.  
Undergrowth, chaparral, catclaw, greasewood and mesquite.



Completion of Subdivision of TP. 14 S. R. 29 E.

Chains. June 12, 1913 At the cor. of secs. 10, 11, 14 and 15, I set off <sup>hereinbefore described</sup> 23°09' N. on the decl. arc and observe the sun on the meridian at noon; the resulting latitude is 32°13' N.

Thence I run  
 N0°02'E, bet. secs. 10 and 11  
 Over rolling land, through scattering brush.  
 20.00 Soil changes from 1st to 2nd rate.  
 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 <sup>1913</sup> S10 in W. and S11 in E. half; dig pits 18x18x12 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.

79.90 Road, bears N.E. and S.W.  
 80.00 Set an iron post 3 ft. long, 2 in. diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap, <sup>1913</sup>  
 T14SR29E in N. half;  
 S3 in N.W.  
 S2 in N.E.  
 S11 in S.E. and  
 S10 in S.W. quadrant; 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, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate, 20.00 chs. Sandy loam mixed with coarse gravel coarse texture, dry, 2nd rate, 60.00 chs.  
 No timber.  
 Undergrowth, chaparral, catclaw and mesquite.

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40.00 N89°55'W, on random line, bet. secs. 3 and 10  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect N. and S. line, 7 lks. S. of cor. of secs. 3, 4, 9 and 10, <sup>hereinbefore described</sup>,  
 Thence I run  
 S89°52'E, on true line, bet. secs. 3 and 10.  
 Over rolling land, through scattering brush  
 15.00 Soil changes from 1st to 2nd rate.  
 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 <sup>1913</sup> S3 in N. and S10 in S. half; dig pits 18x18x12 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.

80.02 The cor. of secs. 2, 3, 10 and 11, <sup>hereinbefore described</sup>.  
 Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate, 15.00 chs. Sandy loam mixed with coarse gravel coarse texture, dry, 2nd rate. 65.00 chs  
 No Timber.  
 Undergrowth, greasewood, mesquite and catclaw.

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N0°2'E, bet. secs. 2 and 3, on true line;  
 Over rolling land, through scattering brush.  
 3.00 Brush becomes dense.  
 9.70 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 <sup>1913</sup> S3 in W. and S2 in E. half; dig pits 18x18x12 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.

58.44 Intersect N. bdy. of Tp. at a point from which the cor. of secs. 34 and 35 <sup>recently re-established by me as hereinafter described</sup> bears S89°56'W., 6.33 chs. dist.  
 At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap, <sup>1913</sup>; CC S. of center, T13S, S34, S35 in N.  
 T14S in S. and <sup>S2</sup> in S.E. and S3 in S.W. quad;  
 R29E in W. half; <sup>S2</sup> dig pits 24x18x12 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.

## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains.	Land, rolling. Soil, sandy loam mixed with coarse gravel and scattering rocks, coarse texture, dry. 2nd rate. No timber. Undergrowth, greasewood, mesquite and catclaw.
	June 12, 1913.
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	June 13 <sup>1913</sup> At 7h.00m., a.m., l.m.t., I set off 32°09'N on the lat. arc, 23°13'N on the decl. arc and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp. recently estab. by me as described in Book "Q". Thence I run
	NO°03'E, bet. secs. 35 and 36. Over rolling land, through scattering brush.
11.37	Dim road, bears N.E. and S.W.
22.15	Road, bears N.E. and S.W.
34.95	Wash, 12 lks. wide, course N.E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1913</sup> S35 in W. and S36 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
74.90	Wash, 10 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. 25, 26, 35 and 36, marked on brass cap <sup>1913</sup> ; T14SR29E in N. half; S26 in N.W. S25 in N.E. S36 in S.E. and S35 in S.W. quadrant; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky 4th rate. No timber. Undergrowth, mesquite and catclaw.
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	West, on random line, bet. secs. 26 and 35
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 14 lks. S. of cor. of secs. 26, 27, 34 and 35, hereinbefore described, Thence I run
	S89°54'E on true line bet. secs. 26 and 35
	Over rolling land, through dense brush
12.72	Road, bears N. and S.
19.22	Wash, 8 lks. wide, course N.E., soil changes from 3rd to 4th rate, brush becomes scattering.
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 <sup>1913</sup> S26 in N. and S35 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
80.02	The cor. of secs. 25, 26, 35 and 36, hereinbefore described. Land, rolling. Soil, sand mixed with gravel and rock, coarse texture, dry, 3rd rate, 20.00 chs. Rocky 4th rate, 60.00 chs. No timber. Undergrowth, mesquite, catclaw and cacti.
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	East, bet. secs. 25 and 36, on true line, Over rolling land, through scattering brush.
0.50	Wash, 10 lks. wide, course N.E., brush becomes dense.
11.85	Wash, 10 lks. wide, course N.E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1913</sup> S25 in N. and S36 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
41.37	Wash, 12 lks. wide, course N.E.
56.25	Wash, 8 lks. wide, course N.E.

## Completion of Subdivision of Tp. 14 S. R. 29 E.

## Chains.

- 62.50 Wash, 12 lks. wide, course N.E.  
 74.50 Wash, 1.50 chs. wide, course N.E.  
 79.52 Intersect E. bdy. of Tp. at a point from which the cor. of  
 secs. 30 and 31, <sup>recently estab. by me</sup> as described in Book "E", bears  $SO^{\circ}19'E$  20.65  
 chs. dist.,  
 At point of intersection set an iron post 3 ft. long 2 ins.  
 diam., 24 ins. in the ground for closing cor. of secs. 25  
 and 36, marked on brass cap, 1913;  
 CC, E. of center;  
 T14S in N. and  
 S30, S31, R30E in E. half;  
 S25 in N.W. and  
 S36, R30E in S.W. quadrant; raise a mound of stone 2 ft.  
 base,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, mesquite, catclaw and greasewood.
- 
- NO $^{\circ}03'E$ , bet. secs. 25 and 26,  
 Over rolling land, through scattering brush.  
 10.00 Enter 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, 1913; S26 in W.  
 and S25 in E. half; raise a mound of stone 2 ft. base,  $1\frac{1}{2}$   
 ft. high, W. of cor. Pits impracticable.  
 76.10 Wash, 8 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. 23, 24, 25 and 26, marked on  
 brass cap, 1913;  
 T14SR29E in N. half;  
 S23 in N.W.  
 S24 in N.E.  
 S25 in S.E. and  
 S26 in S.W. quadrant; raise a mound of stone 2 ft. base,  
 $1\frac{1}{2}$  ft. high, W. of cor. Pits impracticable.  
 Land, rolling.  
 Soil, rocky 4th rate.  
 No timber.  
 Undergrowth, chaparral, greasewood and mesquite.  
 June 13<sup>1913</sup> At this cor. I set off  $23^{\circ}13'N$ . on the decl. arc  
 and observe the sun on the meridian at noon; the resulting  
 latitude is  $32^{\circ}11'N$ .
- 
- N89 $^{\circ}54'W$ , on random line, bet. secs. 23 and 26  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.06 Intersect N. and S. line, 2 lks. S. of cor. of secs. 22,  
 23, 26 and 27, hereinbefore described,  
 Thence I run  
 S89 $^{\circ}53'E$  on true line bet. secs. 23 and 26.  
 Over rolling land, through dense brush  
 17.70 Road, bears N. and S.  
 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, 1913; S23 in N.  
 and S26 in S. half; dig pits 18x18x12 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.  
 49.60 Wash, 20 lks. wide, course N.E., soil changes from 3rd to  
 4th rate.  
 80.06 The cor. of secs. 23, 24, 25 and 26, hereinbefore described.  
 Land, rolling.  
 Soil, sand mixed with coarse gravel and rocks, coarse  
 texture, dry, 3rd rate. 50.00 chs. Rocky 4th rate. 30.00  
 chs.  
 No timber.  
 Undergrowth, greasewood and catclaw.

## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains.	East, bet. secs. 24 and 25, on true line, Over rolling land, through dense brush.
0.30	Wash, 6 lks. wide, course N.E.
22.00	Wash, 10 lks. wide, course N.E., soil changes from 4th to 1st rate.
33.90	Wash, 18 lks. wide, course N.E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1931</sup> S24 in N. and S25 in S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
70.00	Wash, 12 lks. wide, course N.E.
79.09	Intersect E. Bdy. of Tp. at a point from which the cor. of secs. 19 and 30, <sup>recently estab. by me</sup> as described in Book "L", bears $SO^{\circ}19'E$ . 20.74 chs. dist. At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 24 and 25, marked on brass cap <sup>1913</sup> ; CC E. of center, T14S in N. and S19, S30, R30E in E. half S24 in N.W. and R29E S25 in S.W. quadrant; dig pits 24x18x12 ins. crosswise on each line, N. and S. 3 ft. and W. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, rocky 4th rate, 22.00 chs. Sandy loam over 2 ft. deep deep, medium texture, dry, 1st rate, 57.00 chs. No timber. Undergrowth, greasewood, chaparral and mesquite.
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	NO <sup>03'E</sup> , bet. secs. 23 and 24. Over rolling land, through dense brush.
20.50	Wash, 25 lks. wide, course N.E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1931</sup> S23 in W. and S24 in E. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap <sup>1913</sup> ; T14SR29E in N. half; S14 in N.W. S13 in N.E. S24 in S.E. and S23 in S.W. quadrant; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky 4th rate. No timber. Undergrowth, catclaw, chaparral, mesquite and greasewood.
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	N89 <sup>53'W</sup> , on random line, bet. secs. 14 and 23
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 7 lks. N. of cor. of secs. 14, 15, 22 and 23, hereinbefore described, Thence I run S89 <sup>56'E</sup> on true line bet. secs. 14 and 23. Over rolling land, through dense brush.
14.90	Road, bears N. and S., soil changes from 3rd to 4th rate.
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 <sup>1931</sup> S14 in N. and S23 in S. half; dig pits 18x18x12 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.
79.60	Wash, 20 lks. wide, course N.E.
80.08	The cor. of secs. 13, 14, 23 and 24, hereinbefore described. Land, rolling. Soil, sand mixed with coarse gravel and rocks, coarse texture, dry, 3rd rate, 15.00 chs. Rocky 4th rate, 65.00 ch No timber. Undergrowth, greasewood, catclaw and mesquite. June 13, 1913

## Completion of Subdivision of Tp. 14 S. R. 28 E.

Chains.	June 14 <sup>1913</sup> At 7h.00m., a.m., l.m.t., I set off 32°12'N. on the lat. arc, 23°16½'N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24, hereinbefore described, Thence I run East, bet. secs. 13 and 24, on true line, Over rolling land, through dense brush.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap <sup>1913</sup> S13 in N. and S24 in S. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor.
65.55	Wash, 30 lks. wide, course N.E.
78.51	Intersect E. Bdy. of Tp. at a point from which the cor. of secs. 18 and 19, recently estab. by me, as described in Book "L", bears 80°19'E. 20.83 chs. dist., At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 13 and 24, marked on brass cap, 1913; CC E. of center, T14S in N. and S18, S19, R30E in E. half; S13 in N.W. and R29E S24 in S.W. quadrant; raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, rolling. Soil, rocky 4th rate. No timber. Undergrowth, greasewood, catclaw, mesquite and chaparral.
2.00	NO°03'E, bet. secs. 13 and 14, Over rolling land, through dense brush.
40.00	Wash, 10 lks. wide, course N.E. Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap <sup>1913</sup> S14 in W. and S13 in E. half; dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
66.40	Road, bears N.E. and S.W.
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, 1913; T14SR29E in N. half; S11 in N.W. S12 in N.E. S13 in S.E. and S14 in S.W. quadrant; 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, rolling. Soil, rocky 4th rate. No timber. Undergrowth, chaparral and greasewood.
40.00	N89°56'W, on random line, bet. secs. 11 and 14 Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line, 3 lks. N. of cor. of secs. 10, 11, 14 and 15, hereinbefore described, Thence I run S89°57'E, on true line, bet. secs. 11 and 14. Over rolling land, through scattering brush.
15.30	Road, bears N. and S., soil changes from 1st to 4th rate.
40.03	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap <sup>1913</sup> S11 in N. and S14 in S. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor., brush becomes dense.
80.06	The cor. of secs. 11, 12, 13 and 14, hereinbefore described. Land, rolling Soil, sandy loam over 2 ft, deep, medium texture, dry, 1st rate, 15.00 chs. Rocky 4th rate. 65.00 chs. No timber. Undergrowth, greasewood, chaparral and catclaw

## Completion of Subdivision of Tp. 14 S. R. 29 E.

Chains.	East, bet. Secs. 12 and 13, on true line, Over rolling land, through dense brush.
21.65	Road, bears N.E. and S.W.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1913</sup> S12 in N. and S13 in S. half; dig pits 18x18x12 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.
78.06	Intersect E. Bdy. of Tp. at a point from which the cor. of secs. 7 and 18, recently estab. by meas. described in Book 12, bears $50^{\circ}19'E.$ 20.89 chs. dist., At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 12 and 13, marked on brass cap, 1913; CC E. of center, T14S in N. and S7, S18, R39E in E. half; S12 in N.W. and S13, R29E in S.W. quadrant; dig pits 24x18x12 ins. crosswise on each line, N. and S. 3 ft. and W. of post, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, catclaw and mesquite.
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	June 14 <sup>1913</sup> At the cor. of secs. 11, 12, 13 and 14 <sup>hereinbefore described</sup> I set off $23^{\circ}16'N.$ on the decl. arc and observe the sun on the meridian at noon; the resulting latitude is $32^{\circ}13'N.$ Thence I run N0 <sup>o</sup> 03'E, bet. secs. 11 and 12, 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., marked on brass cap <sup>1913</sup> S11 in W. and S12 in E. half; dig pits 18x18x12 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.
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, 1913; T14SR29E in N. half; S2 in N.W. S1 in N.E. S12 in S.E. and S11 in S.W. quadrant; 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, rolling. Soil, rocky 4th rate. No timber. Undergrowth, greasewood and chaparral.
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40.00	N89 <sup>o</sup> 57'W, on random line, bet. secs. 2 and 11 Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 2 lks. N. of cor. of secs. 2, 3, 10 and 11, hereinbefore described, Thence I run S89 <sup>o</sup> 58'E, on true line, bet. secs. 2 and 11. Over rolling land, through scattering brush.
2.50	Road, bears N. and S., brush becomes dense.
40.05	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap <sup>1913</sup> S2 in N. and S11 in S. half; dig pits 18x18x12 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.
60.00	Soil changes from 2nd to 4th rate.
80.10	The cor. of secs. 1, 2, 11 and 12, hereinbefore described. Land, rolling. Soil, sandy loam mixed with gravel, coarse texture, dry, 2nd rate, 60.00 chs. Rocky 4th rate, 20.00 chs.

BOOK 2582

## Completion of Subdivision of Tr. 14 S. R. 29 E.

Chains.	No timber. Undergrowth, greasewood, catclaw and mesquite.
40.00	----- East, bet. secs. 1 and 12, on true line, Over rolling 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 <sup>1913</sup> S1 in N. and S12 in S. half; dig pits 18x18x12 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.
77.51	Intersect E. Bdy. of Tr. at a point from which the cor. of secs. 6 and 7, <sup>recently estab. by meas. as described in Book L,</sup> bears $SO^{\circ}19'E$ . 20.94 chs. dist. At point of intersection set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 1 and 12, marked on brass cap, 1913; CC E. of center, T14S in N. and S6, S7, R30E in E. half; S1 in N.W. and S12, R29E in S.W. quadrant; dig pits 24x18x12 ins. crosswise on each line, N. and S. 3 ft. and W. of post, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, rolling. Soil, rocky 4th rate. No timber. Undergrowth, greasewood, mesquite and chaparral.
40.00	----- N0 <sup>3</sup> E, bet. secs. 1 and 2, on true line Over rolling 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 <sup>1913</sup> S2 in W. and S1 in E. half; dig pits 18x18x12 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.
52.73	Intersect N. Bdy. of Tr. at a point from which the cor. of secs. 35 and 36 <sup>recently re-estab. by meas. as described hereinafter.</sup> bears $S89^{\circ}43'W$ , 5.91 chs. dist. At point of intersection 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, 1913; CC S. of center, T13S, S35, S36 in N. T14 S in S. and R29E in W. half; S1 in S.E. and S2 in S.W. quadrant; dig pits 24x18x12 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. Land, rolling. Soil, rocky 4th rate. No timber. Undergrowth, greasewood and mesquite.

June 14, 1913.

Resurvey of S. Bdy. of Tp. 13 S. R. 29 E.

Chains. June 5<sup>1913</sup> At 7h.00m. a.m., l.m.t., I set off 32°15'N on the lat. arc, 22°32½'N. on the decl arc and determine a meridian with the solar at the cor. of Tps. 13 S. Rgs. 28 and 29 E., recently re-established by me and described in Book "Q". Thence I run.

2.68 East, on random line along S. bdy. of sec. 31, on E½ mile.   
 35.08 Fall 16.00 chs. N. of old ¼ sec. cor. which is a redwood stake 1x1x24 ins. marked 1S on N. face, trace of mound. True course and dist. of this ½ mile is therefore N. 65°-29' W., 38.56 chs. Thence from old ¼ sec. cor.

40.79 East, on random line along S. bdy. sec. 31, on E½ mile.   
 Fall 23 lks. S. of old cor. of secs. 5, 6, 31 and 32, which is a redwood stake 1x1x24 ins, marks illegible, slight trace of mound and S.E. pit. True course and dist. of this ½ mile is therefore S. 89°-40' W., 40.79 chs. Thence from old ¼ sec. cor.

39.45 East, on random line along S. bdy. sec. 32.   
 Fall 8 lks. S. of old ¼ sec. cor. which is a redwood stake 1x1x24 ins. marked 1S on N. face, no trace of pits, but slight trace of mound. True course & dist. of this ½ mile is therefore S. 89°-53' W., 39.45 chs. Thence from old ¼ sec. cor.

40.17 East, along S. bdy. of sec. 32, on random line on E½ mile.   
 Fall 8 lks. S. of old cor. of secs. 4, 5, 32 and 33, which is a redwood stake 1x1x24 ins., marks illegible, slight trace of mound. True course & dist. of this ½ mile is therefore S. 89°-53' W., 40.17 chs. Thence I run from old sec. cor.

40.52 East, on random line along S. bdy. sec. 33.   
 Fall 87 lks. S. of old ¼ sec. cor., which is a redwood stake, badly decayed, marked 1S on N. face, slight trace of mound. True course & dist. of this ½ mile is therefore S. 88°-46' W., 40.53 chs. Thence from old ¼ sec. cor.

40.12 East, along S. bdy. sec. 33, on random line, on E½ mile.   
 Fall 55 lks. N. of old cor. of secs. 3, 4, 33 and 34, which redwood stake 1x1x12 ins. badly decayed, marks illegible, slight trace of mound. True course & dist. of this ½ mile is therefore N. 89°-13' W., 40.12 chs. Thence from old sec. cor.

39.90 East on random line along S. bdy. of sec. 34.   
 Fall 9 lks. S. of old ¼ sec. cor., which is a redwood stake 1x1x24 ins. marked 1S on N. face, slight trace of mound. True course & dist. of this ½ mile is therefore S. 89°-52' W., 39.90 chs. Thence from old ¼ sec. cor.

40.17 East along S. Bdy. of sec. 34, on random line, on E½ mile   
 Fall 24 lks. N. of old cor. of secs. 2, 3, 34 and 35, which is a redwood stake 1x1x24 ins., marks illegible, slight trace of mound. True course & dist. of this ½ mile is therefore, N. 89°-39' W., 40.17 chs. Thence from old sec. cor.

40.26 East, on random line along S. bdy. of sec. 35.   
 Fall 5 lks. S. of old ¼ sec. cor., which is a redwood stake 1x1x24 ins. marked 1S on N. face, no trace of pits or mound. True course & dist. of this ½ mile is therefore S. 89°-56' W., 40.26 chs. Thence from old ¼ sec. cor.

40.31 East, along S. bdy. sec. 35, on random line, on E½ mile   
 Fall 15 lks. S. of cor. of secs. 1, 2, 35 and 36, which is a redwood stake 1x1x12 ins. badly decayed, marks visible but illegible, no trace of pits or mound. True course & dist. of this ½ mile is therefore S. 89°-47' W., 40.31 chs. Thence from old sec. cor.

40.31 East, on random line, along S. bdy. sec. 36.   
 Fall 20 lks. S. of old ¼ sec. cor., which is a redwood stake 1x1x24 ins., marked 1S on N. face, no trace of pits or mound. True course & dist. of this ½ mile is therefore S. 89°-43' W., 40.31 chs. Thence from old ¼ sec. cor.

42.69 East along S. bdy. sec. 36, on random line, on E½ mile.   
 Intersect E. bdy. of Tp. 14 lks. North of cor. of Tps. 13 and 14 S. Rgs. 29 and 30 E., recently re-established by me, and described in Book "L". True course & dist. of this ½ mile is therefore N. 89°-48' W., 42.69 chs.

June 5, 1913.

June 6<sup>1913</sup> At 7h.00m. a.m. l.m.t., I set off 32°15'N. on the lat. arc, 22°39'N. on the decl. arc and determine a meridian at the cor. of Tps. 13 and 14 S., Rgs. 29 and 30 E., recently re-established by me, & described in Book "L". Thence I run, N89°48'W. on true line along S. bdy. of sec. 36. Over rolling land, through dense brush.



## Resurvey of S. Bdy. of Tp. 13 S. R. 29 E.

- Chains. 42.69 The old  $\frac{1}{4}$  sec. <sup>hereinbefore described</sup> cor. I destroy all trace of 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 <sup>1913</sup> S36 in N. half; dig pits 18x18x12 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.
- 40.31 Thence <sup>measuring</sup> from  $\frac{1}{4}$  sec. cor. <sup>on true line</sup> S89°43' W along S. bdy. sec. 36, on W.  $\frac{1}{2}$  mile.  
The old cor. of secs. 1, 2, 35 and 36 <sup>hereinbefore described</sup> I destroy all trace of this old cor. and reestablish it in the same place as follows;  
Set an iron post 3 ft. long, 3 in. diam., 24 ins. in the ground for cor. of secs. 35 and 36, marked on brass cap, <sup>1913</sup> T13S in N.  
S1, S2, T14S in S. and R29E in W. half;  
S35 in N.W. and S36 in N.E. quadrant;  
Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.  
Land, rolling.  
Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.
- 
- 40.31 S89°47' W, on true line, along S. bdy. of sec. 35.  
Over rolling land, through dense brush.  
The old  $\frac{1}{4}$  sec. cor. <sup>hereinbefore described</sup> I destroy all trace of 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 <sup>1913</sup> S35 in N. half; dig pits 18x18x12 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.
- 36.10 Thence <sup>measuring</sup> from  $\frac{1}{4}$  sec. cor. <sup>on true line</sup> S89°56' W along S. bdy. sec. 35, on W.  $\frac{1}{2}$  mile  
Road, bears N. and S.
- 40.26 The old cor. of secs. 2, 3, 34 and 35 <sup>hereinbefore described</sup> I destroy all trace of this 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. 34 and 35, marked on brass cap, <sup>1913</sup> T13S in N.  
S2, S3, T14S in S. and R29E in W. half;  
S34 in N.W. and S35 in N.E. quadrant;  
Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.  
Land, rolling.  
Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
No timber.  
Undergrowth, greasewood, mesquite and catclaw.
- 
- 40.17 N89°39' W, on true line, along S. bdy. sec. 34.  
Over rolling land, through dense brush.  
The old  $\frac{1}{4}$  sec. cor. <sup>hereinbefore described</sup> I destroy all trace of 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 <sup>1913</sup> S34 in N. half; dig pits 18x18x12 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.
- 8.50 Thence <sup>measuring</sup> from  $\frac{1}{4}$  sec. cor. <sup>on true line</sup> S89°52' W along S. bdy. sec. 34, on W.  $\frac{1}{2}$  mile.  
Road, bears N.W. and S.E.

Resurvey of S. Bdy. of Tr. 13 S. R. 29 E.

Chains.  
39.90

The old cor. of secs. 3, 4, 33 and 34 <sup>hereinbefore described</sup> I destroy all trace of this 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. 33 and 34, marked on brass cap, 1913; T13S in N.  
 S3, S4, T14S in S. and R29E in W. half;  
 S33 in N.W. and S34 in N.E. quadrant;  
 Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.  
 Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.  
 June 6<sup>1913</sup> At this cor. I set off 22°39'N. on the decl. arc and observe the sun on the meridian at noon; the resulting latitude is 32°15'N.

N89°13'W, on true line, along S. Bdy. of sec. 33  
 Over rolling land, through dense brush.

3.50  
40.12

Dim road, bears N. and S.  
 The old  $\frac{1}{4}$  sec. cor. <sup>hereinbefore described</sup> I destroy all trace of 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, 1913; S33 in N. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

40.53

Thence <sup>measuring</sup> from  $\frac{1}{4}$  sec. cor. <sup>on true line</sup> S88°46'W, along S. bdy. of sec. 33, on W. ½ mile.  
 The old cor. of secs. 4, 5, 32 and 33 <sup>hereinbefore described</sup> I destroy all trace of this 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. 32 and 33, marked on brass cap, 1913; T13S in N.  
 S4, S5, T14S in S. and R29E in W. half;  
 S32 in N.W. and S33 in N.E. quadrant;  
 Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.  
 Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry, 1st rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and catclaw.

S89°53'W, on true line, along S. bdy. of sec. 32.  
 Over rolling land, through dense brush.

40.17

The old  $\frac{1}{4}$  sec. cor. <sup>hereinbefore described</sup> I destroy all trace of 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, 1913; S32 in N. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

28.40  
39.45

Thence <sup>measuring</sup> from  $\frac{1}{4}$  sec. cor. <sup>on true line</sup> S89°53'W, along S. bdy. of sec. 32, on W. ½ mile.  
 Road, bears N.E. and S.W.  
 The old cor. of secs. 5, 6, 31 and 32 <sup>hereinbefore described</sup> I destroy all trace of this 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. 31 and 32, marked on brass cap, 1913;

Resurvey of S. Bdy. of Tps. 13 S. R. 29 E.

Chains. T1E8 in N.  
 S5, S6, T148 in S. and  
 R29E in W. half;  
 S31 in N.W. and  
 S32 in N.E. quadrant;  
 Dig pits 24x24x12 ins. in each sec. 6 ft. dist., and raise  
 a mound of earth 4 ft. base, 2 ft. high, N. of cor.  
 Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry,  
 1st rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

30.00 S89°40'W, on true line, along S. bdy. of sec. 31.  
 40.79 Over rolling land, through dense brush.  
 Brush becomes scattering.  
 The old  $\frac{1}{4}$  sec. cor. <sup>hereinbefore described</sup> I destroy all trace of 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 <sup>1913</sup> S31 in N.  
 half; dig pits 18x18x12 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  
 of cor.  
 Thence I run <sup>measuring</sup> from  $\frac{1}{4}$  sec. cor.  
 N65°29'W <sup>on true line</sup> along S. bdy. of sec. 31, on W.  $\frac{1}{2}$  mile.  
 35.88 CLOSING COR. ON Tps. 13 S., Rs. 28 & 29 E. ESTAB. BY ME JUNE 4, 1913 AS DESCRIBED IN BOOK "Q"  
 38.56 The cor. of Tps. 13 S. Rgs. 28 and 29 E, as reestablished  
 by me, and described in Book "Q"  
 Land, rolling.  
 Soil, sandy loam over 2 ft. deep, medium texture, dry,  
 1st rate.  
 No timber.  
 Undergrowth, mesquite, catclaw and greasewood.

June 6, 1913.

General Description.

This township is level excepting the extreme southern  
 portion which is rolling. The drainage is north and  
 north east. The soil is generally a rich sandy loam  
 and with water would be very productive. The southern  
 part of the township is somewhat rocky. The township  
 is covered with a dense growth of underbrush. There is  
 no water in the township.  
 There is one settler in sec. 16 and one in sec. 17.

*John D. Hesse*  
 U. S. Surveyor.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,  
 ..... John F. Hesse ..... , U. S. Surveyor, during the periods and in the capacities  
 stated opposite our several signatures, in surveying all those parts or portions of the subdivision  
 lines of Tp. 14 S. Rg. 29 E. and resurveying<sup>ing</sup> of the South boundary of Tp.  
 13 S. Rg. 29 E.

of the Gila and Salt River <sup>Base and</sup> Meridian, in the State of Arizona.  
 which are represented in the foregoing field notes as having been executed by him, and under his direc-  
 tion; and that said survey<sup>and resurvey</sup> has been, in all respects, to the best of our knowledge and belief, well and  
 faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<i>G. C. Lang</i>	<i>April 1, 1913</i>	<i>June 14, 1913</i>	<i>Chairman</i>
<i>E. C. Keeley</i>	<i>March 18, 1913</i>	<i>June 14, 1913</i>	<i>Chairman</i>
<i>J. J. Hughes</i>	<i>February 9, 1913</i>	<i>June 14, 1913</i>	<i>Flagman</i>
<i>Frank J. McSherry</i>	<i>May 2, 1913</i>	<i>June 14, 1913</i>	<i>Coverman</i>
<i>G. P. Robinson</i>	<i>June 7, 1913</i>	<i>June 14, 1913</i>	<i>Arman</i>

Subscribed and certified to before me on the dates of the final service as shown above.

*John F. Hesse*  
 U. S. Surveyor.

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27  
EOLN 2088

FINAL OATH OF UNITED STATES SURVEYOR.

I, John F. Hesse, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, for Group 18 bearing date of the 23rd day of April, 1913, 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 the subdivision lines of Tp. 14 S. Rg. 29 E. and resurveyed the South boundary of Tp. 13 S. Rg. 29 E.

of the Gila and Salt  
River Base and Meridian, in the State of Arizona, 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, and resurvey or re-established 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. and resurvey.

John F. Hesse  
U. S. Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }  
this 12th day of January, 1914

Frank Ingalls  
Surveyor General of Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. July 21, 1914

The foregoing field notes of the survey of the completion of the

Subdivision lines of Township No 14 South, Range No 29 East,

and Resurvey of the South bdy. of Township No 13 South, Range No 29 East

of the Gila and Salt River Base and Meridian, Arizona

executed by John F. Hesse, U. S. Surveyor

under his special instructions dated April 23rd, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys they describe, are hereby approved.

Frank Ingalls  
U. S. Surveyor General of Arizona.

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