

2840

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SLF-4-1914

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Book "F" BOOK 2840

~Subdivisions~
FIELD NOTES

OF THE SURVEY OF THE

UNITED STATES DEPARTMENT OF THE INTERIOR

Subdivision lines of
Township 8 North - Range 8 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 1914.

Survey commenced April 4, 1914.

Survey completed April 17, 1914.

BOOK 2840

Book "F"

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1. B

Subdivision of Township 8 North, Range 8 West.

Chains.

Survey of the Subdivision lines in this township commenced April 4, 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.K.K.

I examine the adjustments of the transit, and correct the level and collimation errors; then, test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris.

At the original cor. of secs. 1, 2, 35 and 36 on the south bdy. of Tp., which is an iron post 3 ins. in diam. 1 ft. above ground, marked and witnessed by pits and mound; lat. 33°59'07"N., long. 113°03'32"W., I set off 5°36 1/2' N. on the decl. arc; and at 12h. 3.2m. p.m., l.m.t. I observe the sun on the meridian; the resulting lat. 33°59'N.

Thence I run, N. 0°01' W., bet. secs. 35 and 36.

Ascend south slope.

2.60 Top of small round hill; descend N. slope.

7.50 Foot of descent; ascend south slope.

9.50 Top of spur; descend.

11.00 Foot of slope.

33.00 Enter level land, brs. SE. and NW.

40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, 2 1/2 ft. high, for 1/4 sec. cor., with brass cap, marked,

1/4 S 35 in W., and

S 36 in E. half;

1914 in S. rim; from which,

A palo verde, 6 ins. in diam., brs. N. 66 1/4° W., 103 lks. dist., marked 1/4 S 35 B T.

A palo verde, 7 ins. in diam., brs. N. 56°40' E., 249 lks. dist., marked 1/4 S 36 B T.

Level land to the east. Land, level, 15 chs. west.

50.50 Dry wash, 15 lks. wide, 1 ft. banks, course east.

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 8 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 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, first half mile along foothills on east side of mountains. Last half mile, level.

Soil, decomposed granite, 4th rate.

Timber, scattering palo verde.

Undergrowth, greasewood.

At 2h. p.m., l.m.t., I set off 5°38 1/2' N. on the decl. arc; 34°00' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.

Thence I run,

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

Chains.

- 40.00 East, on a random line, bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.01 Intersect east bdy. of Tp., 8 lks. south of the cor. of secs. 25, 30, 31 and 36, established by W.H. Thorn, as described in Book "A."
Thence I run,
S. $89^{\circ}57'W.$, on a true line, bet. secs. 25 and 36.
Over level land.
- 40.005 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 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 Old road, brs. N. and S.
80.01 Cor. of secs. 25, 26, 35 and 36.
Land, level.
Soil, east half, 2nd rate; west half decomposed granite, 4th rate.
Undergrowth, greasewood.

April 4, 1914.

April 6, 1914:

- At 8h. a.m., l.m.t., I set off $6^{\circ}18\frac{1}{2}'N.$ on the decl. arc; $34^{\circ}00'N.$ on the lat. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.
Thence I run,
N. $0^{\circ}01'W.$, bet. secs. 25 and 26.
Over level land.
- 4.75 Dry wash, 8 lks. wide, 3 ft. banks; course east.
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.
- 42.00 Ascend south slope.
45.00 Top of hill ends 5.00 chs. E. Descend N. slope.
48.00 Level land.
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 8 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, nearly all level.
Soil, 2nd rate, sandy.
Timber, none.
Undergrowth, greasewood and mesquite brush.

- 40.00 East, on a random line, bet. secs. 24 and 25.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.09 Intersect east bdy. of Tp., 13 lks. S. of the cor. of secs. 19, 24, 25 and 30, established by W.H. Thorn, as described in Book "A."

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

Chains.

Thence I run,
 S.89°54'W., on a true line, bet. secs.24 and 25.
 Over level land.

4.09 Dry wash, 15 lks.wide, 2 ft.banks, course SE.
 40.045 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,
 N.of cor.

42.09 Old wagon road, brs.N.and S.
 80.09 Cor.of secs.23,24,25 and 26.
 Land, level.
 Soil, sandy, 2nd rate.
 Timber, none.
 Undergrowth, greasewood and mesquite.

N.0°01'W., bet. secs.23 and 24.
 Over mountainous land.

9.00 Ascend steep rocky hill, over south slope.
 16.00 Top of hill; ascent 150 ft., brs.E'and W.; higher to E.
 21.00 Descend over NW. slope.
 26.00 Foot of descent; ascend S. slope.
 34.00 Top of ascent, slopes to west; descend steep slope to N.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., in mound of
 stone 3 ft.base, $2\frac{1}{2}$ ft.high, for $\frac{1}{4}$ sec.cor., with
 brass cap, marked,
 $\frac{1}{4}$ S 23 in W., and
 S 24 in E.half;
 1914 in S.rim; pits impracticable. Build
 a mound of stone 3 ft.base, 3 ft.high, west of cor.

43.50 Descend N.slope.
 52.00 Enter level land.
 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 8 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, west of
 cor.

Land, mountainous to 52.00 chs.; 52.00 to 80.00 chs.level.
 Soil, in mountains 4th rate. On level, sandy and adobe,
 2nd rate.
 Timber, in mountains, palo verde, scattering; undergrowth,
 greasewood.
 At this cor., I set off 6°22'N. on the decl.arc; and at
 12h.26m.p.m., l.m.t., I observe the sun on the meridian;
 the resulting lat.is 34° 02'N.

East, on a random line, bet. secs.13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.21 Intersect east bdy.of Tp., 5 lks.S.of the cor.of secs.
 13,18,19 and 24, established by W.H.Thorn, as described
 in Book "A."

Thence I run,
 S.89°58'W., on a true line, bet. secs.13 and 24.
 Over level land.

23.21 Dry wash, 15 lks.wide, 3 ft.banks, course south.

W

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

Chains.

34.20 Old road, brs.N.and S.

40.105 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 13 in N., and

S 24 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.

80.21 Cor.of secs. 13,14,23 and 24.

Land,level.

Soil,sandy, 2nd rate.

Undergrowth, club cactus and greasewood.

N.0°01'W., bet. secs.13 and 14.

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 14 in W.,and

S 13 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.11,12,13 and 14, with brass cap, marked,

T 8 N R 8 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;

dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist.,and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high, west of cor.

Land,level.

Soil,sandy, 2nd rate.

Undergrowth, club cactus and greasewood brush.

East, on a random line, bet. secs.12 and 13.

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

80.18 Intersect east bdy.of Tp., 6 lks.south of the cor.of secs.7,12,13 and 18, established by W.H.Thorn,as described in Book "A."

Thence I run,

S.89°57'W., on a true line, bet. secs.12 and 13.

5.38 Road brs.N.5°E. and S.5°W.

35.00 Dry wash, 50 lks.wide, $\frac{1}{2}$ ft.banks, course south.40.09 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 12 in N., and

S 13 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.

80.18 Cor.of secs.11,12,13 and 14.

Land,level.

Soil,sandy, 2nd rate.

Undergrowth, club cactus and greasewood brush.

April 6,1914.

Subdivision of Township 8 North, Range 8 West. 5.

Chains.	
	April 8, 1914:
	N.0°01'W., bet. secs.11 and 12.
	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 11 in W., and
	S 12 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.
59.50	Wagon road, brs. NE. and SW.
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 8 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,level.
	Soil, adobe, 2nd rate.
	Undergrowth, club cactus.

	East, on a random line, bet. secs.1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.25	Intersect east bdy.of Tp., 11 lks.south of the cor.of secs.1,6,7and 12, established by W.H.Thorn,as described in Book "A."
	Thence I run,
	S.89° 55'W. on a true line, bet. secs.1 and 12.
34.75	Wagon road, brs. NE. and SW.
39.75	Dry wash, 15 lks.wide, 1 ft.banks, course S.
40.025	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 1 in N., and
	S 12 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.
80.25	Cor.of secs.1,2,11 and 12.
	Land,level.
	Soil, adobe, 2nd rate.
	Undergrowth, greasewood and club cactus.

	N.0°01'W.,on a true line, bet. secs.1 and 2.
	Over level land.
1.50	Road brs.NE. and SW.
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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
	west of cor.
65.52	Intersect Second Standard Parallel North, 18.64 chs. west of the Standard cor. of secs.35 and 36, T.9 N., R.8 W., which is a 3-inch iron post 1 ft. above ground, properly marked and witnessed by pits and mound of earth. At point of intersection,

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

Chains.

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,

C C S of center,
T 9 N, R 8 W in N. half;
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, adobe, 2nd rate.

Timber, none.

Undergrowth, cactus and greasewood.

April 8, 1914.

April 7, 1914:

At 9h. a.m., 1.m.t., I set off 6°42'N. on the 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.

Thence I run, N. 0°01'W., bet. secs. 34 and 35.

Over mountainous land.

Ascend SE. slope of mountain.

6.30 Top of hill in saddle divide, 210 ft. ascent, brs. NE. and SW.

12.00 Ascend south slope.

23.00 Top of ascent, 70 ft.; descend NW. slope.

28.00 Bottom of ravine, course west. Ascend along south slope.

33.00 Top of ascent, 170 ft. Thence along west slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., in mound of stone 3 ft. base, 2 1/2 ft. high, for 1/4 sec. cor., with brass cap, marked,

1/4 S 34 in W., and
S 35 in E. half;
1914 in S. rim; pits impracticable.

Build a mound of stone 3 ft. base, 3 ft. high, south of cor. Slope on west too steep for mound to be built.

42.10 Descend NW. slope, 140 ft. descent.

49.00 Foot of descent.

Thence along level west slope of mountain.

80.00 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 8 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; from which,

A palo verde, 8 ins. in diam., brs. S. 32°E., 53 lks. dist., marked T 8 N R 8 W S 35 B T.

A palo verde, 6 ins. in diam., brs. N. 35°E., 78 lks. dist., marked T 8 N R 8 W S 26 B T.

A palo verde, 7 ins. in diam., brs. S. 42 1/4°W., 117 lks. dist., marked T 8 N R 8 W S 34 B T.

A palo verde, 6 ins. in diam., brs. N. 53 1/4°W., 180 lks. dist., marked T 8 N R 8 W S 27 B T.

Land, mountainous.

Soil, rocky, 4th rate. Timber, palo verde.

Undergrowth, scattering greasewood.

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

Chains.	
	East, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 15 lks. S. of the cor. of secs. 25, 26, 35 and 36.
	Thence I run, S. $89^{\circ}54'$ W., on a true line, bet. secs. 26 and 35. Over level land.
32.90	Leave level land; enter mountains. Ascend NE. slope.
37.20	Top of ridge, ends 3.00 chs. north. Descend steep NW. slope.
39.90	Change to gradual NW. slope.
39.95	Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high 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; from which, A pale verde, 10 ins. in diam., brs. N. $23\frac{3}{4}^{\circ}$ E., 86 lks. dist., marked, $\frac{1}{4}$ S 26 B T. A palo verde, 6 ins. in diam., brs. S. $52\frac{1}{2}^{\circ}$ W., 82 lks. dist., marked $\frac{1}{4}$ S 35 B T.
41.90	Dry wash in bottom of draw, course N.
58.90	Ascend NE. slope.
73.90	Top of spur, brs. NW. and SE., 80 ft. ascent. Descend W. slope.
79.90	Cor. of secs. 26, 27, 34 and 35. Land, mountainous after 32.90 chs. Soil in mountains, 4th rate, very rocky. On level adobe, 2nd rate. Timber, palo verde. Undergrowth, greasewood. At this cor., I set off $6^{\circ}44\frac{1}{2}'$ N. on the decl. arc; and at 12h. 2.4m. p.m., 1.m.t., I observe the sun on the meridian; the resulting lat. is $34^{\circ}00'$ N.

	N. $0^{\circ}01'$ W., bet. secs. 26 and 27.
2.00	Ascend 120 ft. south slope.
7.00	Top of ridge, brs. E. and W. Descend 180 ft. over NE. slope.
32.00	Enter 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 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.
44.00	Dry wash 10 lks. wide, 2 ft. banks, course N. 5° E.
65.00	Ascend 50 ft. over south slope.
72.50	Top of ascent, slopes east. Descend along NE. slope.
79.00	Enter level land.
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 8 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, west of cor.
	Land, nearly all mountainous. Soil, 0 to 32.00 chs., 4th rate, rocky. 32.00 to 65.00 chs., 2nd rate, sandy. 65.00 to 80.00 chs. rocky, 4th

8. Subdivision of Township 8 North Range 8 West.

Chains.	
	rate. Timber, scattering palo verde. Undergrowth, greasewood.

	East, on a random line, bet secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line, 17 lks. S. of the cor. of secs. 23, 24, 25 and 26.
	Thence I run, S. $89^{\circ}53'$ W. on a true line, bet. secs. 23 and 26.
	Over level land.
39.96	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 N. of cor.
72.92	Dry wash, shallow, course NW.
79.92	Cor. of secs. 22, 23, 26 and 27.
	Land, level. Soil, sandy loam, 2nd rate. Timber, none. Undergrowth, greasewood and mesquite brush. Native grass.
April 7, 1914.	

	April 8, 1914: At 8h. a.m., l.m.t., I set off $7^{\circ}04'$ N. on the decl. arc; $34^{\circ}01'$ N. on the lat. arc, and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.
	Thence I run, N. $0^{\circ}01'$ W. bet. secs. 22 and 23.
5.00	Dry wash, 15 lks. wide, 2 ft. banks, course NW.
31.00	Ascend S. slope, 90 ft.
37.50	Top of hill, extends 10.00 chs., E and W. Descend 75 ft., over N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 22 in W., and S 23 in E. half; 1914 in S. rim; pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor.
45.00	Foot of descent; ascend slight SW. slope.
53.30	Top of ascent.
57.00	Descend N. slope.
59.00	Enter level land.
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 8 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, west of cor.
	Land, mountainous. Soil, 2nd rate on level. In mountains, 4th rate. Timber, scattering palo verde. Undergrowth, greasewood brush; native grass.

Subdivision of Township 8 North, Range 8 West 9

Chains.

40.00 East, on a random line, bet. secs.14 and 23.
 Set temp. $\frac{1}{4}$ sec.cor.
 79.87 Intersect N.and S. line, 25 lks.S. of the cor.of secs.13,
 14,23 and 24.
 Thence I run,
 S.89°49'W., on a true line, bet. secs.14 and 23.
 Over level land.
 39.935 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.andW.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.
 79.87 Cor.of secs.14,15,22 and 23.
 Land,level.
 Soil, sandy, 2nd rate.
 Timber, none.
 Undergrowth, greasewood, native grass.

N.0°01'W.,bet. secs. 14 and 15.
 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 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.
 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 8 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, west of
 cor.
 Land,level.
 Soil, sandy surface, adobe subsoil, 2nd rate.
 Timber, none.
 Undergrowth, greasewood, club cactus; native grass.
 At this cor., I set off 7°7'N.on decl.arc; and at 12h.21m.
 p.m., 1.m.t., I observe the sun on the meridian; the
 resulting lat.is 34° 02 $\frac{1}{2}$ 'N.

40.00 East, on a random line, bet. secs.11 and 14.
 Set temp. $\frac{1}{4}$ sec.cor.
 79.99 Intersect N.and S. line, 36 lks.S.of the cor.of secs.11,
 12, 13 and 14.
 Thence I run,
 S.89°45'W.,on a true line, bet. secs.11 and 14.
 Over level land.
 39.995 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 on S.rim;
 $\frac{1}{4}$ S 11 in N., and
 S 14 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,

10. Subdivision of Township 8 North, Range 9 West

Chains.

- north of cor.
 79.99 Cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, sandy, 2nd rate, with adobe subsoil.
 Timber, none.
 Undergrowth, greasewood and club cactus.
 April 8, 1914.
 W. K. K.
-
- W.H.T.
 April 9, 1914: At 2h. p.m., 1.m.t., I set off $7^{\circ}31\frac{1}{2}'N.$ on the decl. arc; and $34^{\circ}02\frac{1}{2}'N.$ on the lat. arc, and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15.
 Thence I run,
 N. $0^{\circ}01'W.$, bet. secs. 10 and 11.
 Over level land.
 18.30 Wagon road, brs. NE. and SW.
 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 10 in W., and
 S 11 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.
 73.80 Dry wash, 10 lks. wide, 2 ft. banks, course S. $10^{\circ}W.$
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap, marked,
 T 8 N R 8 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;
 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 and mesquite brush, 4 to 10 ft. high.
 Club cactus.
-
- 40.00 East, on a random line, bet. secs. 2 and 11.
 80.02 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 34 lks. S. of the cor. of secs. 1, 2, 11 and 12.
 Thence I run,
 S. $89^{\circ}45'W.$, on a true line, bet. secs. 2 and 11.
 Over level land.
 2.17 Congress road, brs. NE. and SW.
 40.01 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.
 79.22 Dry wash, 10 lks. wide, 2 ft. banks, course S. $10^{\circ}W.$
 80.02 Cor. of secs. 2, 3, 10 and 11.
 Land, level.

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

Chains

Soil, adobe, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush, 4 to 8 ft. high.
Club cactus.

40.00 N.0°01'W.on a true line,bet. secs.2 and 3.
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 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.

65.78 Intersect Second Standard Parallel North, 18.55 chs. west of the standard cor.of secs.34 and 35,T.9 N.,R. 8 W., which is an iron post 3 ins. in diam.,1 ft. above the 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,
C C S of center,
T 8 N R 8 W in S.half;
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,level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush.
Scattering palms. Club cactus.
Made no noon observation this day, as I was going bet. cors. at that time.

April 9, 1914.

April 8, 1914:
At the original cor.of secs. 3,4,33 and 34 on the south boundary of township, which is an iron post, 3 ins. in diam., 1 ft. above ground,properly marked and witnessed by pits and mound. At 10h.a.m., 1.m.t., I set off 7° $5\frac{1}{2}$ 'N.on decl.arc; 33°59'N.on lat.arc; and determine a meridian with the solar.

40.00 Thence I run,
N.0°02'W., bet. secs.33 and 34.
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 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,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.27,28,33 and 34,with brass cap, marked,

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

Chains.

T 8 N, R 8 W in N.half;
 S 28 in NW.,
 S 27 in NE.,
 S 34 in SE.; and
 S 33 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 and mesquite brush, 4 to 8 ft.
 high.

40.00

N. $89^{\circ}59'$ E., on a random line, bet. secs. 27 and 34.

79.89

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

Intersect N. and S. line, 2 lks. N. of the cor. of secs. 26,
 27, 34 and 35.

Thence 1 run,

West, on a true line, bet. secs. 27 and 34.

Over level land.

5.99

Dry wash, 10 lks. wide, 10 ft. banks, course S. 10° W.; ascend
 SE. slope.

19.34

Top of hill.

Descend W. slope.

39.945

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 27 in N., and

S 34 in S. half;

pits impracticable. Build a mound of stone 3 ft. base,
 2 ft. high, N. of cor.

67.79

Dry wash, 10 lks. wide, 1 ft. banks, course SW.

79.89

Cor. of secs. 27, 28, 33 and 34.

Land, level, first half mile, mountainous.

Soil, sandy, 3rd rate on level.

Timber, scattering scrub palo verde in mountain.

Undergrowth, greasewood and mesquite brush, 3 to 6 ft.
 high.

40.00

N. $0^{\circ}02'$ W., bet. secs. 27 and 28.

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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 west of cor.

78.20

Dry wash, 6 lks. wide, 2 ft. banks, course SW.

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 8 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;

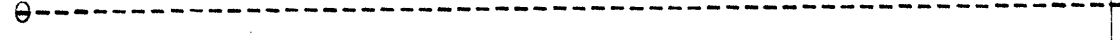
dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high, west of
 cor.

Land, level.

Subdivision of Township 8 North, Range 8 West 13

Chains.

Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood, 4 to 8 ft. high.
Club cactus.



40.00 East, on a random line, bet. secs. 22 and 27.
Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line, 8 lks. N. of the cor. of secs. 22, 23, 26 and 27.
Thence I run,
39.95 N. $89^{\circ}57'W.$, on a true line, bet. secs. 22 and 27.
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 22 in N., and
 $\frac{1}{4}$ S 27 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.
49.90 Ascend SE. slope, over granite boulders.
59.63 Top of hill, 112 ft. above level, brs. N. $20^{\circ}W.$ and S. $20^{\circ}E.$
Descend to
67.40 Enter level land.
78.30 Dry wash, 6 lks. wide, 2 ft. banks, course SW.
79.90 Cor. of secs. 21, 22, 27 and 28.
Land, west half, mountainous. East half, level.
Soil, sandy, 2nd rate on level.
Timber, none.
Undergrowth, greasewood and mesquite brush, 4 to 8 ft. high.
Made no noon observation this day, as I was going bet. points at that time.

April 8, 1914.



April 9, 1914:
At 8h. a.m., 1.m.t., I set off $7^{\circ}26\frac{1}{2}'N.$ on the decl. arc; $34^{\circ}01'N.$ on the lat. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28.
Thence I run,
N. $0^{\circ}02'W.$, bet. secs. 21 and 22.
Over level land, through dense mesquite brush.
4.00 Dry wash, 10 lks. wide, 2 ft. banks, course SW.
10.00 Leave dense mesquite brush.
26.00 Dry wash, 8 lks. wide, 1 ft. banks, course SW.
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, 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. 15, 16, 21 and 22, with brass cap, marked,
T 8 N R 8 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, west of cor.
Land, level.
Soil, adobe and sand, 2nd rate.
Timber, none.

14. Subdivision of Township 8 North, Range 8 West

Chains.

Undergrowth, greasewood and mesquite brush, 4 to 8 ft. high.
Club cactus.

40.00 East, on a random line, bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.
79.86 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 14, 15, 22 and 23.
Thence I run,
28.86 S. $89^{\circ}58'$ W., on a true line, bet. secs. 15 and 22.
Dry wash, 12 lks. wide, 2 ft. banks, course SW.
39.93 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 15 in N., and
 $\frac{1}{4}$ S 22 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.
57.06 Dry wash, 10 lks. wide, $1\frac{1}{2}$ ft. banks, course south.
71.86 Dry wash, 6 lks. wide, $1\frac{1}{2}$ ft. banks, course south.
79.86 Cor. of secs. 15, 16, 21 and 22.
Land, level.
Soil, adobe and sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush 4 to 6 ft. high. Cactus.

7.00 N. $0^{\circ}02'$ W., bet. secs. 15 and 16.
Road brs. NE. and SW.
14.00 Ascend steep rocky broken south slope, over granite boulders,
25.95 Top of hill, 262 ft. ascent; brs. N. 80° W. and S. 80° E.
Descend.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 1 ft. in the ground (could not set deeper for solid rock); build mound of stone 2 ft. base, 1 ft. high around post, 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;
pits impracticable. Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.
44.80 Foot of hill, dry wash, 10 lks. wide, 6 ft. banks, course SE.
51.70 Dry wash, 70 lks. wide, 10 ft. banks, course S. 50° E.
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 mound of stone 2 ft. base, 1 ft. high around post; for cor. of secs. 9, 10, 15 and 16, with brass cap, marked,
T 8 N R. 8 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; pits impracticable.
Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, scattering greasewood.

Subdivision of Township 8 North, Range 8 West. 15.

Chains.

East, on a random line, bet. secs.10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.89 Intersect N.and S. line, 4 lks.N.of the cor.of secs.10,11,
 14 and 15.
 Thence I run,
 N.89°58'W.on a true line, bet. secs.10 and 15.
 Over rolling land.
 14.99 Dry wash, 6 lks.wide, 2 ft.banks, course SE. Ascend.
 25.00 Road brs.NE. and SW.
 39.945 Set an iron post 3 ft.long, 1 in. in diam.,in a mound of
 stone 3 ft.base, 2 $\frac{1}{2}$ ft.high for $\frac{1}{4}$ sec.cor.,with brass
 cap, marked,
 1914 in S.rim;
 $\frac{1}{4}$ S 10 in N., and
 S 15 in S.half;
 pits impracticable. Build a mound of stone 3 ft. base,
 2 ft.high,N.of cor.
 44.77 Top of hill, brs.N.and S. 65 ft.ascent; descend west
 slope.
 48.94 Foot of hill.
 Thence over rolling land.
 79.89 Cor.of secs.9,10,15 and 16.
 Land,rolling.
 Timber, none.
 Soil, sandy, 3rd rate.
 Undergrowth, scattering greasewood.
 April 9, 1914.

April 10, 1914:
 At the cor.of secs.9,10,15 and 16, at 8h. a.m.,1.m.t.,
 I set off 7°48 $\frac{1}{2}$ 'N.on the decl.arc; and 34°02 $\frac{1}{2}$ 'N.on
 lat.arc; and determine a meridian with the solar.
 Thence I run,
 N.0°02'W.,bet. secs.9 and 10.
 Along foot of rocky east slope.
 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 stone 2 ft.base, 1 ft.high around post,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,
 west of cor.
 45.40 Dry wash, 8 lks.wide, 2 ft.banks, course east.
 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 8 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, west of
 cor.
 Land, rolling along foot of east slope 0 to 40.00 chs.;
 40.00 to 80.00 chs.level.
 Soil,rocky 0 to 50.00 chs., 50.00 to 80.00 chs.,sandy,
 3rd rate.
 Timber, scrub palo verde, scattering.
 Undergrowth, greasewood and mesquite brush, 4 to 10 ft.
 high.
 Club cactus.

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

Chains.

40.00 East, on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 2, 3, 10 and 11.
Thence I run,
N. $89^{\circ}58'$ W., on a true line, bet. secs. 3 and 10.
Over level land.

39.90 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 3 in N., and
S 10 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.

79.80 Cor. of secs. 3, 4, 9 and 10.
Land, level.
Soil, adobe, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush, 4 to 8 ft. high, dense growth. Club cactus, scattering yucca palms.
At this cor., I set off $7^{\circ}52'$ N. on decl. arc; and at 12h. 1.5m. p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $34^{\circ}3\frac{1}{2}'$ N.

N. $0^{\circ}02'$ W., on a true line, bet. secs. 3 and 4.
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,
1914 in S. rim;
 $\frac{1}{4}$ S 4 in W., and
S 3 in E. half;
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.

65.80 Intersect Second Standard Parallel North, 18.17 chs. west of the Standard cor. of secs. 33 and 34, T. 9 N., R. 8 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,
C C S of center,
T 8 N, R 8 W in S. half;
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, level.
Soil, sandy, 2nd rate.
Timber, none.
Undergrowth, greasewood and mesquite brush.
Scattering palms; dense growth of club cactus 4 to 10 ft. high.

W. H. Shorin April 10, 1914.
U.S. Surveyor.

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

Chains.

W.K.K.

April 9, 1914: At 9h.a.m., l.m.t., I set off 7°27'N. on decl. arc; 33°59'N. on lat. arc; and determine a meridian with the solar at the original cor. of secs. 4, 5, 32 and 33, on south bdy. of 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. 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.

79.50 Dry wash, 15 lks. wide, 3 ft. banks, course SW.

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 8 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;

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, very dense.

At this cor., I set off 7°29 1/2' N. on decl. arc; and at 12h. 1.8m., p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 34° 00' N.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

79.82 Intersect N. and S. line, 8 lks. S. of the cor. of secs. 27, 28, 33 and 34.

Thence I run,

S. 89°57' W., on a true line, bet. secs. 28 and 33.

Over level land.

39.91 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, 1914 in S. rim;

1/4 S 28 in N., and S 33 in S. half;

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.

79.12 Dry wash, 15 lks. wide, 3 ft. banks, course SW.

79.82 Cor. of secs. 28, 29, 32 and 33.

Land, level.

Soil, adobe, 2nd rate.

Timber, none.

Undergrowth, dense greasewood.

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 S 28 in E. half; 1914 in S. rim;

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Chains.

- 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. 20, 21, 28 and 29, with brass cap, marked,
 T 8 N R 8 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. $5\frac{1}{2}$ 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 club cactus.
-
- 40.00 East, on a random line, bet. secs. 21 and 28.
 Set temp. $\frac{1}{4}$ sec. cor.
- 79.83 Intersect N. and S. line, 4 lks. S. of the cor. of secs. 21, 22, 27 and 28.
 Thence I run,
 S. $89^{\circ}58'$ W., on a true line, bet. secs. 21 and 28.
 Over level land.
- 39.915 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 21 in N., and
 $\frac{1}{4}$ S 28 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.
- 79.83 Cor. of secs. 20, 21, 28 and 29.
 Land, level.
 Soil, adobe, 2nd rate.
 Timber, none.
 Undergrowth, dense greasewood and mesquite.
 April 9, 1914.
-
- April 10, 1914:
 At 9h.a.m., 1.m.t., I set off $7^{\circ}49'$ N. on the decl. arc; $34^{\circ}01'$ N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.
 Thence I run,
 N. $0^{\circ}02'$ 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 $\frac{1}{4}$ sec. cor., with brass cap, marked,
 $\frac{1}{4}$ S 20 in W., and
 $\frac{1}{4}$ 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west of cor.
- 41.40 Road brs. NE. and SW.
- 78.00 Ravine, 75 lks. wide, 20 ft. deep, course SW.
- 80.00 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 3 ft. base 2 ft. high, around post, for cor. of secs. 16, 17, 20 and 21, with brass cap, marked,
 T 8 N R 8 W in N. half;
 S 17 in NW.,
 S 16 in NE.,

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Chains.

S 21 in SE., and
 S 20 in SW. quadrants; 1914 in S. rim;
 pits impracticable. Raise a mound of stone 3 ft. base,
 3 ft. high, W. of cor.
 Land, nearly all level.
 Soil, south half, 2nd rate, adobe; north half, 4th rate,
 rocky.
 Timber, scattering palo verde and ironwood on north half.
 Undergrowth, greasewood.

40.00 East, on a random line, bet. secs. 16 and 21.
 79.84 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 15,
 16, 21 and 22.

10.34 Thence I run,
 39.92 S. $89^{\circ}56'$ W. on a true line, bet. secs. 16 and 21.
 Road brs. NE. and SW.
 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 16 in N.; and
 $\frac{1}{4}$ S 21 in S. half; from which,
 A palo verde, 14 ins. in diam., brs. N. $36\frac{1}{2}^{\circ}$ E., 103
 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 An ironwood, 8 ins. in diam., brs. S. 60° W., 116
 lks. dist., marked $\frac{1}{4}$ S 21 B T.

44.84 Dry wash, 50 lks. wide, 2 ft. banks, course S. 60° E.
 54.84 Dry wash, 25 lks. wide, 3 ft. banks, course SE.
 60.84 Dry wash, 50 lks. wide, 2 ft. banks, course SE.
 75.84 Ravine, 50 lks. wide, 15 ft. deep, course SE.
 79.34 Ravine, 75 lks. wide, 20 ft. deep, course south.
 79.84 Cor. of secs. 16, 17, 20 and 21.

Land, nearly all level.
 Soil, east half, 2nd rate, adobe; west half, rocky, 4th
 rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood.
 At this cor., I set off $7^{\circ}52'$ N. on decl. arc; and at 12h.
 1.5m. p.m., observe the sun on the meridian; the result-
 ing lat. is $34^{\circ}02'$ N.

.75 N. $0^{\circ}02'$ W., bet. secs. 16 and 17.
 Over mountainous land.
 Ravine, 75 lks. wide, 20 ft. deep, course S. 10° E.
 Ascend gradual SE. slope; hills to the west; level land
 to the east.

36.00 Ravine, 100 lks. wide, 50 ft. banks, course S. 15° E. Ascend
 SW. slope.

40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound
 of stone 3 ft. base, 2 ft. high for $\frac{1}{4}$ sec. cor., with
 brass cap, marked,

$\frac{1}{4}$ S 17 in W., and
 $\frac{1}{4}$ S 16 in E. half;
 1914 in S. rim; pits impracticable.
 build a mound of stone 3 ft. base, 3 ft. high, W. of cor.

67.50 Top of ridge, slopes to the west.
 Descend 270 ft. over NW. slope to cor.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., in a mound
 of stone 3 ft. base, 2 ft. high for cor. of secs. 8, 9,
 16 and 17, with brass cap, marked.

T 8 N R 8 W in N. half;
 S 8 in NW.;
 S 9 in NE.,
 S 16 in SE., and
 S 17 in SW. quadrants;

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Chains.

	<p>1914 in S. rim; pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, W. of cor. Land, mountainous. Soil, rocky, 4th rate. Timber, scattering ironwood and palo verde. Undergrowth, greasewood.</p> <p>-----</p>
40.00	East, on a random line, bet. secs. 9 and 16.
79.81	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 9 lks. S. of the cor. of secs. 9, 10, 15 and 16.
17.80	Thence I run, S. $89^{\circ} 56'$ W., on a true line, bet. secs. 9 and 16. Descend west slope. Foot of descent.
38.81	Ascend 100 ft. over east slope. Top of ascent.
39.905	Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high, 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; pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, N. of cor.
44.60	Descend slight NW. slope. Draw, course N. Ascend 270 ft. over east slope to Top of ascent.
57.31	Top peak; descend 260 ft. over NW. slope.
58.40	Change to N. slope.
72.80	Cor. of secs. 8, 9, 16 and 17.
79.81	Land, mountainous. Soil, 4th rate, very rocky. Timber, scattering scrub palo verde. Undergrowth, scattering greasewood. <p>-----</p>
4.00	N. $0^{\circ} 02'$ W., bet. secs. 8 and 9. Over mountainous land. Descend N. slope. Foot of descent; ascend 75 ft. over south slope.
9.00	Top of ridge, brs. NW. and SE.
10.00	Descend NE. slope.
15.00	Foot of descent; ascend over rough SE. slope.
19.00	Top of ridge, brs. NE. and SW., slopes to NE.
20.00	Descend 240 ft. over steep NW. slope.
40.00	Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high, 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; pits impracticable. Build a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high; W. of cor.
41.00	Foot of descent, dry wash, 25 lks. wide, 3 ft. banks, course NW.
41.50	Ascend 150 ft. over SW. slope.
61.00	Top of ascent; descend over steep NE. slope.
66.00	Foot of descent; ascend 120 ft. over SW. slope.
70.00	Top of ascent; slopes to the west.
71.00	Descend 190 ft. over steep rocky N. slope.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, $2\frac{1}{2}$ ft. high, for cor. of secs. 4, 5,

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

Chains.

8 and 9, with brass cap, marked,
 T 8 N R 8 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;
 pits impracticable. Build a mound of stone 3 ft.
 base, 3 ft. high, west of cor.
 Land, rough and mountainous.
 Soil, very rocky, 4th rate.
 Timber, scrub palo verde.

April 10, 1914.

April 16, 1914.
 East, on a random line, bet.secs.4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.78 Intersect N.and S. line, 9 lks.S.of the cor.of secs.3,4,
 9 and 10.
 Thence I run,
 S.89°56'W., on a true line, bet. secs.4 and 9.
 18.00 Dry wash, 6 lks.wide, 1 ft.banks, course N.30°E.
 39.89 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 4 in N., and
 $\frac{1}{4}$ S 9 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.
 62.00 Ascend rocky NE. slope.
 79.78 Cor.of secs.4,5,8 and 9.
 Land, level, 0 to 60.00 chs.; thence mountainous.
 Soil, sandy, 3rd rate, 0 to 40.00 chs. 40.00 to 79.78
 chs., rocky, 4th rate.
 Timber, scattering scrub palo verde.
 Undergrowth, greasewood and mesquite brush.
 Club cactus.

N.0° 02' W., on a true line, bet. secs.4 and 5.
 Descend NE. slope.
 12.00 Enter 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 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,
 W.of cor.
 65.90 Intersect Second Standard Parallel North, 17.79 chs.west
 of the Standard cor.of secs.32 and 33, T 9 N., R.8 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,
 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground for closing cor.of secs.4 and 5, with
 brass cap, marked,
 T 8 N R 8 W in S.half;
 S 32 in NW.,
 S 33 in NE.,
 S 4 in SE., and
 S 5 in SW.quadrants;
 C C S of center;
 1914 in S.rim;

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Chains.	<p>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.</p> <p>Land, level. Soil, 2nd rate, adobe. Timber, none. Undergrowth, greasewood; native grass. April 16, 1914.</p> <hr/> <p>April 13, 1914: At 8h.a.m., l.m.t., I set off 8°54½' N. on the 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 S. bdy. of Tp., which is an iron post, 3 ins. in diam., 1 ft. above ground, marked and witnessed by pits and mound.</p> <p>Thence I run, N. 0°03' W., bet. secs. 31 and 32. Over level land.</p> <p>7.50 Dry wash, 15 lks. wide, 2 ft. banks, course S. 70° W. 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 31 in W., and ¼ 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 3½ ft. base, 1½ ft. high, W. of cor.</p> <p>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 8 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. 5½ 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.</p> <hr/> <p>40.00 East, on a random line, bet. secs. 29 and 32. 79.86 Set temp. ¼ sec. cor. 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.</p> <p>39.93 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 29 in N., and ¼ S 32 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.</p> <p>55.86 Dim wagon road, brs. NW. and SE. 79.86 Cor. of secs. 29, 30, 31 and 32. Land, level. Soil, 2nd rate, adobe. Timber, none. Undergrowth, greasewood and mesquite brush.</p> <hr/>
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Chains.

West, on a random line, bet. secs.30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 78.18 Intersect west bdy.of Tp., 12 lks.S.of the cor.of secs.
 25,30,31 and 36, established by W.H.Thorn, as described
 in Book "A."
 Thence I run,
 S.89°55'E. on a true line, bet. secs.30 and 31.
 Over level land.
 33.68 Road brs.NE. and SW.
 38.18 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 30 in N., and
 $\frac{1}{4}$ S 31 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.
 78.18 Cor.of secs.29,30,31 and 32.
 Land,level.
 Soil, adobe, 2nd rate.
 Timber, none.
 Undergrowth, greasewood and mesquite brush.
 At this cor.,I set off 8°57 $\frac{1}{2}$ 'N.on the decl.arc, and 12h.
 0.7m.p.m.,l.m.t., observe the sun on the meridian;
 the resulting lat.is 34° 00'N.

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
 $\frac{1}{4}$ 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.
 59.00 Road brs.NE. and SW.
 66.00 Dry wash, 15 lks.wide, 2 ft.banks, course SW.
 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 8 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,W.of cor.
 Land,level.
 Soil, adobe, 2nd rate.
 Timber, none.
 Undergrowth, greasewood and mesquite brush.

East, on a random line, bet. secs.20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.84 Intersect N.and S. line, 4 lks.S.of the cor.of secs.20,
 21, 28 and 29.
 Thence I run,
 S.89°58'W., on a true line, bet. secs.20 and 29.
 Over nearly level land.
 10.00 Leave level land.
 Ascend NE. slope.
 28.00 Top of ascent, 270 ft.
 Descend over N. slope.
 32.00 Enter level land.

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Chains.

- 39.92 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, 2 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 1914 in S. rim;
 $\frac{1}{4}$ S 20 in N., and
 S 29 in S. half; pits impracticable;
 build a mound of stone 3 ft. base, 3 ft. high, N. of cor.
 Descend 150 ft. over NW. slope.
- 39.94 Saddle divide.
 Ascend 100 ft. over E. slope.
- 47.00 Top of spur.
 Descend 220 ft. over W. slope.
- 62.00 Enter nearly level land.
- 68.00 Dry wash, 20 lks. wide, 2 ft. banks, course SW.
- 74.00 Dry wash, 20 lks. wide, 1 ft. banks, course S. 10° W.
- 79.84 Cor. of secs. 19, 20, 29 and 30.
 Land, level.
 Soil, 4th rate, very rocky.
 Timber, none.
 Undergrowth, greasewood.

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- West, on a random line, bet. secs. 19 and 30.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.13 Intersect west bdy. of Tp., 10 lks. S. of the cor. of secs. 19, 24, 25 and 30, established by W. H. Thorn, as described in Book "A."
 Thence I run,
 S. 89° 56' E., on a true line, bet. secs. 19 and 30.
 Over mountainous land.
- 8.10 Ascend over SW. slope.
- 38.13 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, 2 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 1914 in S. rim;
 $\frac{1}{4}$ S 19 in N., and
 S 30 in S. half;
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, E. of cor.
 Impossible to build mound on W. for high cliff.
- 39.10 Top of ascent, 370 ft.
 Descend over E. slope.
- 64.00 Foot of descent, 270 ft.
- 73.00 Old road, brs. N. and S.
- 76.63 Dry wash, 50 links wide, 3 ft. banks, course SE.
- 78.13 Cor. of secs. 19, 20, 29 and 30.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood.

April 13, 1914.

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- April 14, 1914:
 At 9h 1 a.m., l.m.t., I set off 9° 17' N. on decl. arc; and
 34° 01' N. on the lat. arc; and determine a meridian
 with the solar at the cor. of secs. 19, 20, 29 and 30.
 Thence I run,
 N. 0° 03' W., bet. secs. 19 and 20.
 Over nearly 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 19 in W., and
 S 20 in E. half;
 1914 in S. rim; from which,
 A palo verde, 8 ins. in diam., brs. N. 81° E., 25 lks. dist., marked $\frac{1}{4}$ S 20 BT.

Subdivision of Township 8 North, Range 8 West. 25.

Chains.

A palo verde, 6 ins. in diam., brs. S. 85 $\frac{1}{2}$ ° W., 57 lks. dist., marked $\frac{1}{4}$ S 19 B T.
 40.25 Dry wash, 25 lks. wide, 3 ft. banks, course S. 5° W.
 55.00 Ascend steep rocky, south slope, 400 ft. ascent to corner.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, 2 $\frac{1}{2}$ ft. high, for cor. of secs. 17, 18, 19 and 20, with brass cap, marked,
 T 8 N R 8 W in N. half;
 S 18 in NW.,
 S 17 in NE.,
 S 20 in S E., and
 S 19 in SW. quadrants;
 1914 in S. rim;
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, west of cor.
 Land, south half, nearly level. North half, mountainous.
 Soil, rocky, 3rd rate, south half; north half, 4th rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood.

 East, on a random line, bet. secs. 17 and 20.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.85 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 16, 17, 20 and 21.
 Thence I run,
 S. 89° 57' W., on a true line, bet. secs. 17 and 20.
 1.85 Foot of ascent; ascend over east slope.
 26.00 Top of ascent.
 28.00 Descend SW. slope.
 39.925 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone 3 ft. base, 2 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap, marked,
 1914 in S. rim;
 $\frac{1}{4}$ S 17 in N., and
 S 20 in S. half;
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, north of cor.
 43.00 Foot of descent, thence along SE. slope of mountain, 240 ft. descent.
 79.85 Cor. of secs. 17, 18, 19 and 20.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood.
 At this cor., I set off 9° 19 $\frac{1}{2}$ ' N. on the decl. arc, and at 12h. 0.5m. p.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 34° 02' N.

 West, on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.07 Intersect west bdy. of T. 11 links south of the cor. of secs. 13, 18, 19 and 24, established by W. H. Thorn, as described in Book "A."
 Thence I run,
 S. 89° 55' E., on a true line, bet. secs. 18 and 19.
 6.00 Ascend 120 ft. over SW. slope.
 Top of ridge.
 Descend east slope.
 30.00 Bottom of canyon, course south.
 Follow branch canyon.
 38.07 Set an iron post 3 ft. long, 1 in. in diam., in mound of stone 3 ft. base, 2 $\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor. of secs. 18 and 19, with brass cap, marked,
 1914 in S. rim;
 $\frac{1}{4}$ S 18 in N., and
 S 19 in S. half; pits impracticable.

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48.00 Build a mound of stone 3 ft. base, 3 ft. high, N. of cor.
 61.00 Leave canyon; ascend 280 ft. over west slope.

Top of ascent.
 Descend over SE. slope of mountain.

78.07 Cor. of secs. 17, 18, 19 and 20.
 Land, mountainous and rough.
 Soil, rocky, 4th rate.
 Timber, scattering scrub palo verde.
 Undergrowth, greasewood.

April 14, 1914.

 April 15, 1914.

At 8h. a.m., l.m.t., I set off $9^{\circ}38'N.$ on the decl. arc;
 $34^{\circ}02'N.$ on the lat. arc, and determine a meridian with
 the solar at the cor. of secs. 17, 18, 19 and 20.

Thence I run,
 $N.0^{\circ}03'W.$, bet. secs. 17 and 18.

Ascend steep rough, rocky south slope.
 8.00 Granite cliffs, 120 ft. high.
 34.72 Top of mountain, 1200 ft. ascent; cliffs east and west,
 100 ft. high.
 Descend 800 ft. to corner, over rough and broken N. slope.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., in mound
 of stone 3 ft. base, $2\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with
 brass cap, marked,

$\frac{1}{4}$ S 18 in W., and

S 17 in E. half;

1914 in S. rim;

pits impracticable. Build a mound of stone
 3 ft. base, 3 ft. high, W. of cor.

60.00 Foot of steep broken descent; thence gradual north slope.

74.00 Dry wash, 25 lks. wide, 3 ft. banks, course NW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound
 of stone 3 ft. base, $2\frac{1}{2}$ ft. high for cor. of secs. 7, 8,
 17 and 18, with brass cap, marked,

T 8 N R 8 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;

pits impracticable. Build a mound of stone 3 ft.
 base, 3 ft. high, west of cor.

Land, mountainous and rough.

Soil, 4th rate.

Timber, scrub palo verde.

Undergrowth, greasewood.

 East, on a random line, bet. secs. 8 and 17.

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

79.83 Intersect N. and S. line, 4 lks. S. of the cor. of secs. 8, 9,
 16 and 17.

Thence I run,

$S.89^{\circ}58'W.$, in a true line, bet. secs. 8 and 17.

Descend 220 ft. over NW. slope.

26.00 Dry wash, 25 lks. wide, 2 ft. banks, course NW.

Foot of descent; rolling land. slopes N.

34.50 Ravine, 75 lks. wide, 10 ft. deep, course north.

39.915 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 around post 2 ft. base, $1\frac{1}{2}$ ft. high,
 for $\frac{1}{4}$ sec. cor.; with brass cap, marked,

1914 in S. rim;

$\frac{1}{4}$ S 8 in N., and

S 17 in S. half; from which,

Subdivision of Township 8 North, Range 8 West. 27.

Chains.

A palo verde, 8 ins. in diam., brs. S. 16° E., 107 lks. dist., marked $\frac{1}{4}$ S 17 B T.
 A palo verde, 6 ins. in diam., brs. N. 10 $\frac{1}{2}$ ° E., 55 lks. dist., marked $\frac{1}{4}$ S 8 B T.
 79.83 Cor. of secs. 7, 8, 17 and 18.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood.
 At this cor., I set off 9° 41' N. on decl. arc; and at 12h. 0.2m.p.m., 1.m.t., I observe the sun on the meridian; the resulting lat. is 34° 02 $\frac{1}{2}$ ' N.

 West, on a random line, bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.20 Intersect west bdy. of Tp., 21 lks. south of the cor. of secs. 7, 12, 13 and 18, established by W.H. Thorn, as described in Book "A." Thence I run, S. 89° 51' E. on a true line, bet. secs. 7 and 18.
 2.00 Over rolling land, sloping to the NW.
 18.20 Dry wash, 15 lks. wide, 6 ft. banks, course N. 10° E.
 38.20 Dry wash, 50 lks. wide, 2 ft. banks, course N. 10° W.
 Set an iron post 3 ft. long, 1 in. in diam., 1 ft. in the ground (could not set deeper for solid rock); build mound of stone 3 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 7 in N., and
 S 18 in S. half;
 pits impracticable. Build a mound of stone 3 ft. base, 3 ft. high, N. of cor.
 49.20 Ravine, 125 lks. wide, 25 ft. deep, course NW.
 74.20 Ravine, 100 lks. wide, 20 ft. deep, course NW.
 78.20 Cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, rocky, 4th rate.
 Timber, scattering palo verde.
 Undergrowth, greasewood.
 April 15, 1914.

 April 16, 1914:
 At 8h. a.m., 1.m.t., I set off 9° 59 $\frac{1}{2}$ ' N. on decl. arc; 34° 02 $\frac{1}{2}$ ' N. on lat. arc, and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18.
 N. 0° 03' W., bet. secs. 7 and 8.
 Descend over gradual N. slope.
 25.00 Enter level land.
 26.00 Dry wash, 20 lks. wide, 2 ft. banks, course NW.
 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.
 63.00 Ascend SE. slope of the E. end of small hill; extends 5.00 chs. east, and 20.00 chs. west.
 73.00 Descend NE. slope.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., in a mound of stone 3 ft. base, 2 $\frac{1}{2}$ ft. high, for cor. of secs. 5, 6, 7 and 8, with brass cap, marked,

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Chains.

T 8 N R 8 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;
 pits impracticable. Build a mound of stone 3 ft.
 base, 3 ft. high, west of cor.
 Land, 38.00 chs. level, 3rd rate soil; 42.00 chs. mountain-
 ous land, 4th rate soil.
 Timber, scattering palo verde.
 Undergrowth, greasewood.

40.00 East, on a random line, bet. secs. 5 and 8.
 79.84 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 4, 5,
 8 and 9.
 Thence I run,
 S. $89^{\circ}59'W.$, on a true line, bet. secs. 5 and 8.
 Over mountainous land.
 Ascend NE. slope.
 5.34 Top of ascent, extends NW. about 15.00 chs.
 6.84 Top of ridge, 175 ft. ascent, brs. NW. and SE.
 Descend SW. slope.
 19.80 Foot of descent; thence over level land.
 29.59 Dry wash, 30 lks. wide, 3 ft. banks, course north.
 39.92 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 5 in N., and
 S 8 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.
 69.80 Ascend gradual NE. slope.
 79.84 Cor. of secs. 5, 6, 7 and 8.
 Land, first half mile, rough and mountainous; last half
 mile, nearly level.
 Soil, 3rd rate, sandy loam on level; 4th rate, rocky
 in mountains.
 Timber, scattering palo verde.
 Undergrowth, greasewood.
 At this cor., I set off $10^{\circ}02\frac{1}{2}'N.$ on decl. arc, and at 12h.
 Om. p.m., l.m.t., I observe the sun on the meridian;
 the resulting lat. is $34^{\circ}03\frac{1}{2}'N.$
 April 16, 1914.

April 17, 1914:
 At 9h. a.m., l.m.t., I set off $10^{\circ}21'N.$ on the 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.
 78.08 Intersect west bdy. of Tp., 24 lks. S. of the cor. of secs.
 1, 6, 7 and 12, established by W.H. Thorn, as described
 in Book "A."
 Thence I run,
 S. $89^{\circ}50'E.$, on a true line, bet. secs. 6 and 7.
 Over level land.
 4.00 Dry wash, 15 lks. wide, 4 ft. banks, course N. $10^{\circ}E.$
 16.58 Dry wash, 25 lks. wide, 3 ft. banks, course north.
 38.08 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 6 in N., and

Chains.

S 7 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.
 52.00 Ascend west slope.
 64.58 Top of ascent; hill extends 5.00 chs. north; 20.00 chs.
 south.
 67.58 Descend over NE. slope.
 78.08 Cor. of secs. 5, 6, 7 and 8.
 Land, level to 52.00 chs.; 26.08 chs., hilly.
 Soil on level, 2nd rate, adobe. In hills, 4th rate, rocky.
 Timber, scattering palo verde.
 Undergrowth, greasewood; native grass.
 At this cor., I set off 10° 23½' N. on the decl. arc; and
 at 11h. 59.7m. a.m., 1.m.t., I observe the sun on the
 meridian; the resulting lat. is 34° 03½' N.

N. 0° 03' W., on a true line, bet. secs. 5 and 6.
 Over level land.
 Descend gradual NE. slope.
 10.00 Enter 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 6 in W., and
 S 5 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.
 65.94 Intersect Second Standard Parallel North, 17.52 chs. west
 of the Stand. cor. of secs. 31 and 32, T. 9 N., R. 8 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,
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground for closing corner of secs. 5 and 6, with
 brass cap, marked,
 T 8 N R 8 W in S. half;
 C C S of center,
 S 31 in NW.,
 S 32 in NE.,
 S 5 in SE., and
 S 6 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, except south 10.00 chs.
 Soil, south 10.00 chs., 4th rate, rocky.
 On level adobe, 2nd rate.
 Timber, scattering palo verde.
 Undergrowth, greasewood; native grass.
 April 17, 1914.
 W. K. K.

GENERAL DESCRIPTION.

A ridge of mountains runsthrough the west side of this
 township, the main portion being in secs. 8, 9, 16, 17,
 18 and 19, with foothills in the surrounding secs.
 The highest part of the ridge lies in secs. 17 and 18,
 it being 1600 ft. above the surrounding plain, and
 difficult to climb on account of two rows of perpen-
 dicular cliffs which extend nearly all the way around
 this mountain near the top. Other mountains are

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in secs. 26, 27, 34, 35 and 36, with smaller hills scattered through the township.

Approximately 30 per cent. of this township is mountainous, but around the mountains in some places upon the sides, native bunch grass grows.

Scattering scrub ironwood and palo verde near the hills is the only timber to be found.

No water has been developed on this township, and there are no settlers or homesteaders.

W. S. Transitman
U. S. Transitman.

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BOOK 2840


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 8 West of the Gila and Salt River Base and Meridian in the State of Arizona*

executed by *M. H. Thom U.S. Surveyor & W. T. Kuriloff U.S. Transitman* under ~~his~~ special instructions dated *February 11, 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
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.