

2813

4-679

Book "W"

BOOK 2813

SEP 17 1914

Subdivisions

FIELD NOTES

OF THE SURVEY OF THE

Lines
Subdivision of T. 4 S., R. 12 W.

2813

Of the Gila and Salt River Base and Meridian,

Arizona.

In the State of

EXECUTED BY

Jesse B. Wright,

In the capacity of U. S. Surveyor, under instructions dated Feb. 10, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 32, which were approved by the Commissioner of the General Land

Office, Feb. 20, 1914, pursuant to authority contained in the Act of

Congress dated June 23, 1913.

Survey commenced June 10, 1914

Survey completed June 19, 1914

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1A

Book "W"

BOOK 2813

INDEX DIAGRAM.

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- Notes in Book "A", this Group
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- Surveyed
- Unsurveyed

Chains.

Survey commenced June 10, 1914, and executed by Jesse B. Wright, U.S. Surveyor, under instructions for Group 32, using a Young and Son's light mountain transit No. 7084, described in book "A" Knowing from recent and repeated tests made on a true meridian established at my camp from observations of Polaris that my instrument is still in correct adjustment, I proceed as follows: -

The S. bdy. of this Tp. being out of limits in alinement and measurement, in order to subdivide same with the least number of fractional lots, it is deemed proper and expedient to subdivide this tp. from N. to S., and from E. to W.:

Therefore, at 8h a.m., l.m.t., at the cor. of secs. 1, 2, 35 & 36, on the N. bdy. of the Tp., an meridian was established by John F. Hesse, as described in book "B"

I set off 23°0' N. on the decl. arc, and 33°07' N. on the lat. arc, and determine a meridian with the solar. Thence I run,

S. 0° 1' E. bet. secs. 1 & 2.

Over level plain, through scattering greasewood, paloverde, soil gravelly and stony.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 2 in W., and ¼ S 1 in E. half, 1914 on S. rim;

no bearings available.

Dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

55.00 Wash, 20 lks. wide, course ESE.

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 & 12, marked on brass cap, 1914 on S. rim,

T 4 S R 12 W, in N. half,

S 2 in NW.,

S 1 in NE.,

S 12 in SE., and

S 11 in SW. quad.; from which,

A paloverde tree 4 ins. diam. brs. N. 82½° E. 194 lks. dist., marked T 4 S R 12 W S 1 B T.

An ironwood tree 8 ins. diam. brs. S. 13½° E. 47 lks. dist., marked T 4 S R 12 W S 12 B T.

A paloverde tree 6 ins. diam. brs. S. 79½° W. 50 lks. dist., marked T 4 S R 12 W S 11 B T.

A paloverde tree 12 ins. diam. brs. N. 58° W. 63 lks. dist., marked T 4 S R 12 W S 2 B T.

Land, level. Soil, 3rd rate, gravelly, stony, dry, loose. Greasewood, paloverde, few cacti.

N. 89°59' E. on a random line bet. secs. 1 & 12.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect E. bdy. of Tp. 5 lks. N. of cor. of secs. 1, 6, 7 & 12, an meridian was established by me, and as described in book "A", whence I run,

N. 89°59' W. on a true line bet. secs. 1 & 12.

Over gently rolling land, through dense brush.

39.98 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 1 in N., and S 12 in S. half, 1914 on S. rim;

Dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.

42.20 Wash, 20 lks. wide, course S.

52.90 Wash, 30 lks. wide, course ESE.

79.96 To cor. of secs. 1, 2, 11 & 12.

Land, level, gently rolling, drains SE.

Soil, 2nd rate, gravelly, stony, dry, loose. Greasewood, sage brush, few cacti.

Chains.	S. 0° 1' E. bet. secs. 11 & 12. Over mts. land, through scattering brush, asc. grad.
2.00	Asc.
15.00	Asc. prec.
24.00	Rocky ridge, brs. E. & W., 400 ft. above plain, desc.
34.50	Gulch, 10 lks. wide, course NW., asc. steep.
39.00	Top of spur, brs. WSW. & ENE.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 in W., and S 12 in E. half, 1914 on S. rim; No bearings available, pits impracticable. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
41.00	Desc. steep.
57.00	Foot, brs. E. & W., enter draw, course ESE.
64.00	Leave draw, asc. steep NNE. slope.
76.00	Spur, brs. E. & W., desc.
80.00	On rocky SE. slope of spur, Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 11, 12, 13 & 14, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 11 in NW., S 12 in NE., S 13 in SE., and S 14 in SW. quad.; Pits impracticable, Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, level, mts., broken. Soil, 3rd & 4th rate, gravelly, dry, stony. Greasewood, few paloverde and cacti.
Note:	At this cor., at noon, I set off 23° 0' N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 33° 05' N.
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	S. 89° 59' E. on a random line bet. secs. 12 & 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tp. 2 $\frac{1}{4}$ lks. N. of cor. of secs. 7, 12, 13 & 18, as established by me, as described in book "A", whence I run, N. 89° 58' W. on a true line bet. secs. 12 & 13. Over mts. land, desc. prec. stony WSW. slope.
20.00	Gulch, 30 lks. wide, course S., asc. steep.
33.00	Rocky spur, brs. S. & N., desc. steep.
39.00	Foot of main slope, brs. NNW. & SSE., desc. grad.
40.02	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 12 in N., and S 13 in S. half, Pits impracticable. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
65.00	Wash, 30 lks. wide, course ESE.
70.00	Asc. steep.
76.00	Spur, brs. ESE. & WNW., desc. grad.
80.04	To cor. of secs. 11, 12, 13 & 14. Land, mts., rough, broken, rolling. Soil, 3rd rate, stony, dry, gravelly, loose. Greasewood, few cacti. sparse grass.

Chains.

S. 0° 1' E. bet. secs. 13 & 14.
 Over mts. land, desc.
 6.00 Asc. steep rocky N. slope.
 26.00 Spur, brs. W. & E., desc. prec. S. slope.
 40.00 Foot of main slope, 400 ft. below crest of ridge, brs. E. & W., desc. grad.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 14 in W., and S 13 in E. half, Pits impracticable, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 73.17 Wash, 25 lks. wide, course ESE.
 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 & 24, marked on brass cap, 1914 on S. rim;
 T 4 S R 12 W, in N. half,
 S 14 in NW.,
 S 13 in NE.,
 S 24 in SE., and
 S 23 in SW. quad.; Pits impracticable.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, rolling, mts.
 Soil, 2nd & 3rd rate, gravelly, stony, dry.
 Greasewood, few paloverde and cacti.

S. 89°58' E. on a random line bet. secs. 13 & 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect E. bdy. of Tp. 2 lks. N. of cor. of secs. 13, 18, 19 & 24, an iron post established by me, as described in book "A", whence I run,
 N. 89°57' W. on a true line bet. secs. 13 & 24.
 Over level plain, drains SE., through dense brush.
 29.00 Wash, 30 lks. wide, course S.
 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in N., and S 24 in S. half, 1914 on S. rim; from which,
 An ironwood tree 10 ins. diam. brs. S. $16\frac{1}{2}$ ° E. 133 lks. dist., marked $\frac{1}{4}$ S 24 B T.
 A paloverde tree 6 ins. diam. brs. N. 30° E. 41 lks. dist., marked $\frac{1}{4}$ S 13 B T.
 80.04 To cor. of secs. 13, 14, 23 & 24.
 Land, rolling, level. Soil, 2nd rate, loose, dry, gravelly.
 Greasewood, sage brush, few paloverde and ironwood trees.
 June 10, 1914.

June 12, 1914.
 At 8h a.m., l.m.t., at the cor. of secs. 13, 14, 23 & 24, I set off 23°08 $\frac{1}{2}$ ' N. on the decl. arc, and 33°04 $\frac{1}{2}$ ' N. on the lat. arc, and determine a meridian with the solar.
 Thence I run,
 S. 0° 1' E. bet. secs. 23 & 24.
 Over gently rolling land, through dense brush.
 17.98 Wash, 30 lks. wide, course SE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 23 in W. & S 24 in E. half
 Dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. and raise 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. 23, 24, 25 & 26, marked on brass cap, 1914 on S. rim,
 T 4 S R 12 W, in N. half,
 S 23 in NW., S 24 in NE., S 25 in SE. &
 S 26 in SW. quadrant. Pits impracticable.
 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 Land, rolling.
 Soil, 2nd rate, gravelly, dry, loose.
 Greasewood, paloverde, few cacti.

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Subdivision of T. 4 S., R. 12 W.

Chains.

- S. 89°57' E. on a random line bet. secs. 24 & 25.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect E. bdy. of Tp. 2 lks. N. of cor. of secs.
 19, 24, 25 & 30, as established by me, as
 described in book "A", whence I run,
 N. 89°56' W. on a true line bet. secs. 24 & 25.
 Over gently rolling land, drains S., through scattering
 brush.
 15.00 Wash, 30 lks. wide, course S., main drain.
 40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 24 in N., and
 S 25 in S. half, 1914 on S. rim;
 No bearings available, pits impracticable.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 49.80 Wash, 30 lks. wide, course SE.
 80.02 To cor. of secs. 23, 24, 25 & 26.
 Land, rolling. Soil, 2nd rate, gravelly, loose, dry.
 Greasewood, sage brush, few cacti.

- S. 0° 1' E. bet. secs. 25 & 26.
 Over gently rolling land through scattering brush.
 13.20 Wash, 20 lks. wide, course SE.
 17.50 Wash, 20 lks. wide, course SE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on
 S. rim, $\frac{1}{4}$ S 26 in W., and
 S 25 in E. half, Pits impracticable
 Raise a mound of stone 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. 25, 26, 35 & 36, marked on
 brass cap, 1914 on S. rim,
 T 4 S R 12 W, in N. half,
 S 26 in NW.,
 S 25 in NE.,
 S 36 in SE., and
 S 35 in SW. quad.;
 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, 2nd rate, loamy, sandy, gravelly, dry.
 Greasewood, sage brush, few paloverde and cacti.
 Notes At this cor., at noon, I set off 23°09' N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 33°03' N.

- S. 89°56' E. on a random line bet. secs. 25 & 36.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect E. bdy. of Tp. 5 lks. S. of cor. of secs.
 25, 30, 31 & 36, as established by me, as
 described in book "A", whence I run,
 N. 89°58' W. on a true line bet. secs. 25 & 36.
 Over rolling land, through scattering brush.
 40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on
 S. rim, $\frac{1}{4}$ S 25 in N., and
 S 36 in S. half, Pits impracticable.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 55.00 Wash, 50 lks. wide, course SE.
 80.02 To cor. of secs. 25, 26, 35 & 36.
 Land, level, gently rolling.
 Soil, 2nd rate, gravelly, sandy, dry.
 Greasewood, paloverde, few cacti, sparse grass.

Subdivision of T. 4 S., R. 12 W.

Chains.

40.00 S. 0° 1' E. on a true line, bet. secs. 35 & 36
 Over level land, through dense brush.
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 35 in W., and
 S 36 in E. half, 1914 on S. rim;
 Dig pits 18x18x12 ins. N. & 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.

80.49 Intersect N. bdy. of Tp. 5 S., R. 12 W., whence
 cor. of secs. 1 & 2 reestab. by me as described in
 book "D", bears S. 89° 51' W., 0.61 chs. dist.
 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. 35 & 36, marked on
 brass cap, 1914 on S. rim,
 C C, N. of centre,
 T 4 S, in N.,
 T 5 S, S 1, S 2, in S., and
 R 12 W in W. half,
 S 36 in NE., and
 S 35 in NW. quad.; from which,
 An ironwood tree 16 ins. diam. brs. N. $31\frac{1}{2}$ ° W. 184 lks. dist.,
 marked T 4 S R 12 W S 35 C C B T.
 An ironwood tree 8 ins. diam. brs. N. $47\frac{1}{2}$ ° E. 60 lks. dist.,
 marked T 4 S R 12 W S 36 C C B T.

Land, rolling.
 Soil, 2nd rate, sandy, gravelly, dry, loose.
 Greasewood, paloverde, ironwood, few cacti, sparse grass.
 June 12, 1914.

Chains.

June 13, 1914.

At 8h a.m., l.m.t., at the cor. of secs. 2, 3, 34 & 35,
on the N. bdy. of the Tp., as established by John F. Hease, as described in book "B"

I set off $23^{\circ}12\frac{1}{2}'$ N. on the decl. arc, and $33^{\circ}07'$ N. on the
lat. arc, and determine a meridian with the solar.

Thence I run,

S. $0^{\circ}1'$ E. bet. secs. 2 & 3.

Over level land, through dense greasewood.

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

S 2 in E. half, 1914 on S. rim;

dig pits $18 \times 18 \times 12$ ins. N. & 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. 2, 3, 10 & 11, marked on
brass cap, 1914 on S. rim,

T 4 S R 12 W, in N. half,

S 3 in NW.,

S 2 in NE.,

S 11 in SE., and S 10 in SW. quad.;

No bearings available, pits impracticable.

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Land, level, Soil, 2nd rate, loamy, sandy, dry.

Greasewood, sage brush, few cacti.

N. $89^{\circ}59'$ E. on a random line bet. secs. 2 & 11.

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

80.06 Intersect N. & S. line 2 lks. S. of cor. of secs.

1, 2, 11 & 12, hereinbefore described, whence I run,

S. $89^{\circ}58'$ W. on a true line bet. secs. 2 & 11.

Over level plain, through dense greasewood.

4.00 Asc. rocky NE. slope.

20.00 Top of rise, rocky point from hill to S., desc.

27.00 Foot, brs. WSW. & ENE., thence over level land.

40.03 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 2 in N., and

S 11 in S. half; 1914 on S. rim;

dig pits $18 \times 18 \times 12$ ins. E. & W. 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.

65.85 Wash, 30 lks. wide, course S.

80.06 To cor. of secs. 2, 3, 10 & 11.

Land, level, hilly.

Soil, 2nd rate, loamy, sandy, stony, gravelly, dry.

Greasewood, sage brush, few paloverde and cacti.

S. $0^{\circ}1'$ E. bet. secs. 10 & 11.

Over gently undulating plain, through dense brush.

30.00 Wash, 90 lks. wide, course SE.

Point for $\frac{1}{4}$ sec. cor. will fall in wash, therefore at

39.40 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on
brass cap, W C $\frac{1}{4}$ S. of centre

S 10 in NW., and

S 11 in NE. quad.; 1914 on S. rim; from which,

A paloverde tree 4 ins. diam. brs. N. 44° E. 198 lks. dist.,
marked $\frac{1}{4}$ S 11 W C B T.

A paloverde tree 4 ins. diam. brs. S. 53° W. 12 lks. dist.,
marked $\frac{1}{4}$ S 10 W C B T.

40.00 Wash, 1 ch. wide, course SSW. Point for $\frac{1}{4}$ sec. cor.

61.50 Wash, 20 lks. wide, course SW., asc. rocky NW. slope.

72.00 Top of rise, spur from hill to SE., thence along W. slope.

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 & 15, marked on
brass cap, 1914 on S. rim,

T 4 S R 12 W, in N. half,

S 10 in NW.,

S 11 in NE., S 14 in SE. &

S 15 in SW. quadrant. Pits impracticable.

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.

Land, level, mts. Soil, 2nd & 3rd rate, sandy, gravelly.

Greasewood, paloverde, ironwood, mesquite, few cacti.

Subdivision of T. 4 S., R. 12 W.

Chains.

40.00 N. 89°58' E. on a random line bet. secs. 11 & 14.
Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect N. & S. line 5 lks. N. of cor. of secs.
11, 12, 13 & 14, hereinbefore described, whence I run,
West, on a true line bet. secs. 11 & 14.
Over mts. land, asc. steep.

25.00 Top of ridge, brs. ENE. & WSW., desc.

40.04 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on
S. rim, $\frac{1}{4}$ S 11 in N., and
S 14 in S. half, Pits impracticable.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

50.00 Desc. steep.

80.08 To cor. of secs. 10, 11, 14 & 15.
Land, mts., broken.
Soil, 2nd & 3rd rate, stony.
Greasewood, few cacti.

Note: At this cor., at noon, I set off 23°12 $\frac{1}{2}$ ' N. on the decl.
arc, and observe the sun on the meridian.
The resulting lat. is 33°05' N.

S. 0° 1' E. bet. secs. 14 & 15.
Over hilly land, desc. SW. slope.

8.00 Foot, brs. NW. & ESE., enter plain.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 15 in W., and
S 14 in E. half, 1914 on S. rim;
No bearings available, pits impracticable.
Raise a mound of stone 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. 14, 15, 22 & 23, marked on
brass cap, 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 15 in NW.,
S 14 in NE.,
S 23 in SE., and
S 22 in SW. quad.; no bearings available;
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, 2nd & 3rd rate, stony, gravelly, sandy, loose.
Greasewood, paloverde, few cacti.

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

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

80.02 Intersect N. & S. line 2 lks. S. of cor. of secs.
13, 14, 23 & 24, hereinbefore described, whence I run,
S. 89°59' W. on a true line bet. secs. 14 & 23.
Over gently rolling land, through scattering brush.

40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 14 in N., and
S 23 in S. half, 1914 on S. rim; from which,
An ironwood tree 10 ins. diam. brs. N. 40 $\frac{1}{2}$ ° E. 82 lks. dist.,
marked $\frac{1}{4}$ S 14 B T.
A paloverde tree 8 ins. diam. brs. S. 9 $\frac{1}{2}$ ° E. 159 lks. dist.,
marked $\frac{1}{4}$ S 23 B T.

77.80 Wash, 50 lks. wide, course S.

80.02 To cor. of secs. 14, 15, 22 & 23.
Land, level, rolling.
Soil, 2nd rate, gravelly, dry, loose.
Greasewood, paloverde, ironwood, few cacti.

- Chains.
- S. 0° 1' E. bet. secs. 22 & 23.
Over level land, through dense greasewood.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 22 in W., and
S 23 in E. half, 1914 on S. rim;
dig pits 18x18x12 ins. N. & 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. 22, 23, 26 & 27, marked on brass cap, 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 22 in NW.,
S 23 in NE.,
S 26 in SE., and
S 27 in SW. quad.;
dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land, level,
Soil, 2nd rate, loamy, sandy, gravelly, dry.
Greasewood, paloverde, few cacti and ironwoods.
-
- N. 89°59' E. on a random line bet. secs. 23 & 26.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. & S. line 2 lks. S. of cor. of secs. 23, 24, 25 & 26, hereinbefore described, whence I run,
S. 89°58' W. on a true line bet. secs. 23 & 26.
Over rolling land, through scattering brush.
- 4.00 Wash, 10 lks. wide, course S.
- 15.90 Wash, 15 lks. wide, course S.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 23 in N., and
S 26 in S. half, 1914 on S. rim; from which,
A paloverde tree 4 ins. diam. brs. N. 70° E. 106 lks. dist., marked $\frac{1}{4}$ S 23 B T.
A paloverde tree 8 ins. diam. brs. S. 18° W. 23 lks. dist., marked $\frac{1}{4}$ S 26 B T.
- 53.60 Wash, 30 lks. wide, course S.
- 79.98 To cor. of secs. 22, 23, 26 & 27.
Land, rolling.
Soil, 2nd rate, sandy, gravelly, dry.
Greasewood, few paloverde and ironwood trees along washes.
June 13, 1914.

June 16, 1914.

At 8h a.m., l.m.t., at the cor. of secs. 22, 23, 26 and 27 I set off 23°21' N. on the decl. arc, and 33°03 $\frac{1}{2}$ ' N. on the lat. arc, and determine a meridian with the solar.
Thence I run,

- S. 0° 1' E. bet. secs. 26 & 27.
Over level land, through scattering brush.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 27 in W., and
S 26 in E. half, Pits impracticable.
Raise a mound of stone 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. 26, 27, 34 & 35, marked on brass cap, 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 27 in NW.,
S 26 in NE.,
S 35 in SE., and
S 34 in SW. quad.; from which
A paloverde tree 18 ins. diam. brs. N. 38° W. 98 lks. dist., marked T 4 S R 12 W S 27 B T.
A catclaw tree 4 ins. diam. brs. N. 26° E. 25 lks. dist., marked T 4 S R 12 W S 26 B T.
A catclaw tree 6 ins. diam. brs. S. 51° E. 81 lks. dist., marked T 4 S R 12 W S 35 B T.
An ironwood tree 30 ins. diam. brs. S. 36° W. 40 lks. dist., marked T 4 S R 12 W S 34 B T.
Land, level. Soil, 2nd rate, sandy. Catclaw, ironwood.

Subdivision of T. 4 S., R. 12 W.

Chains.

40.00 N. 89°58' E. on a randdm line bet. secs. 26 & 35.
Set temp. 1/4 sec. cor.

79.98 Intersect N. & S. line 7 lks. N. of cor. of secs. 25, 26, 35 & 36, hereinbefore described, whence I run, N. 89°59' W. on a true line bet. secs. 26 & 35.
Over gently rolling land, through scattering brush.

39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 26 in N., and 1/4 S 35 in S. half, 1914 on S. rim; dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

49.00 Wash, 30 lks. wide, course S.

66.00 Wash, 20 lks. wide, course S.

79.98 To cor. of secs. 26, 27, 34 & 35.
Land, level, gently rolling.
Soil, 2nd rate, sandy, gravelly, dry, loose.
Greasewood, sage brush, few catclaw, paloverde and ironwood trees along washes.

1.55 S. 0° 1' E. on a true line, bet. secs. 34 & 35
Over gently rolling plain, through dense brush.
Wash, 130 lks. wide, course SE.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 34 in W., and 1/4 S 35 in E. half; 1914 on S. rim; from which, A paloverde tree 14 ins. diam. brs. S. 59° E. 96 lks. dist., marked 1/4 S 35 B T.
An ironwood tree 12 ins. diam. brs. S. 49° W. 98 lks. dist., marked 1/4 S 34 B T.

50.20 Wash, 20 lks. wide, course SSW.

80.81 Intersect N. bdy. of T. 5 S., R. 12 W., whence cor. of secs. 2 & 3 reestab. by me as described in, book "D", bears N. 89° 38' W., 1.24 chs. dist. 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. 34 & 35, marked on brass cap, 1914 on S. rim, C C, N. of centre, T 4 S in N., T 5 S, S 2, S 3, in S., and R 12 W in W. half, S 35 in NE., and S 34 in NW. quad.; from which, An ironwood tree 8 ins. diam. brs. N. 61° E. 88 lks. dist., marked T 4 S R 12 W S 34 C C B T.
An ironwood tree 14 ins. diam. brs. N. 49° E. 177 lks. dist., marked T 4 S R 12 W S 35 C C B T.

Land, gently rolling, level.
Soil, 2nd rate, gravelly, sandy, dry, loose.
Greasewood, ironwood, paloverde, catclaw, along washes.

June 16, 1914.

Chains.

- June 14, 1914.
At 8h a.m., l.m.t., at the cor. of secs. 3, 4, 33 & 34,
on the N. bdy. of the Tp., as established by John F. Hesse, as described in book "B"
I set off 23°16' N. on the decl. arc, and 33°07' N. on the
lat. arc, and determine a meridian with the solar.
Thence I run,
S. 0° 2' E. bet. secs. 3 & 4.
Over level plain, through dense brush.
- 32.50 Wash, 30 lks. wide, course SE.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 4 in W., and
S 3 in E. half, 1914 on S. rim;
Dig pits 18x18x12 ins. N. & 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. 3, 4, 9 & 10, marked on
brass cap, 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 4 in NW.,
S 3 in NE.,
S 10 in SE., and
S 9 in SW. quad.; no trees near. Pits imprac.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
Land, level. Soil, 2nd rate, sandy, gravelly, dry.
Greasewood, sage brush, few cacti.
-
- N. 89°59' E. on a random line bet. secs. 3 & 10.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.98 Intersect N. & S. line 2 lks. N. of cor. of secs.
2, 3, 10 & 11, hereinbefore described, whence I run,
West, on a true line bet. secs. 3 & 10.
Over gently rolling land, through dense brush.
- 5.00 Enter draw, course S.
14.60 Wash, 1 ch. wide, course S.
17.50 Dry well 171 ft. deep brs. N. 150 lks. dist.
23.10 Wash, 30 lks. wide, course S.
29.70 New road, brs. NNE. & SSW. Salome to Yuma.
39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on
S. rim, $\frac{1}{4}$ S 3 in N., and
S 10 in S. half, Pits impracticable
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
- 79.98 To cor. of secs. 3, 4, 9 & 10.
Land, rolling. Soil, 2nd rate, loamy, sandy, gravelly, dry.
Greasewood, paloverde, sage brush, few cacti.
-
- S. 0° 2' E. bet. secs. 9 & 10.
Over gently rolling land, through dense brush.
- 22.23 Wash, 30 lks. wide, course ESE.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 9 in W., and
S 10 in E. half, 1914 on S. rim;
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 9, 10, 15 & 16, marked on
brass cap, 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 9 in NW.,
S 10 in NE.,
S 15 in SE., and
S 16 in SW. quad.; Pits impracticable
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
Land, rolling.
Soil, 2nd rate, sandy, gravelly, dry.
Greasewood, paloverde, few cacti.

Chains.

- East, on a random line bet. secs. 10 & 15.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect cor. of secs. 10, 11, 14 & 15, hereinbefore described, whence I run,
West, on a true line bet. secs. 10 & 15.
Over gently rolling land, through scattering brush, desc.
- 3.00 Foot of hill, brs. N. & S., thence over plain.
- 5.00 Enter draw, course S.
- 16.50 Wash, 2 chs. wide, course S.
- 34.90 Wash, 25 lks. wide, course S.
- 39.99 Set an iron post $\frac{3}{4}$ ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 10 in N., and
S 15 in S. half, Pits impracticable.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 45.60 Road, brs. N. & S., main road.
- 79.98 To cor. of secs. 9, 10, 15 & 16.
Land, rolling, level.
Soil, 2nd rate, stony, gravelly, sandy.
Greasewood, few paloverde and cacti.
- Note: At this cor., at noon, I set off $23^{\circ}15\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $33^{\circ}05'$ N.

- S. $0^{\circ}2'$ W. bet. secs. 15 & 16.
- Over gently rolling land, through scattering brush.
- 40.00 Set an iron post $\frac{3}{4}$ ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 16 in W., and
S 15 in E. half, 1914 on S. rim; from which,
A paloverde tree 18 ins. diam. brs. N. 87° W. 322 lks. dist.,
marked $\frac{1}{4}$ S 16 B T.
An ironwood tree 6 ins. diam. brs. N. $79\frac{1}{4}^{\circ}$ E. 107 lks. dist.,
marked $\frac{1}{4}$ S 15 B T.
- 80.00 Set an iron post $\frac{3}{4}$ ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 15, 16, 21 & 22, marked on brass cap, 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 16 in NW.,
S 15 in NE.,
S 22 in SE., and
S 21 in SW. quad.; from which,
A paloverde tree 10 ins. diam. brs. N. $26\frac{1}{2}^{\circ}$ E. 140 lks. dist.,
marked T 4 S R 12 W S 15 B T.
An ironwood tree 6 ins. diam. brs. S. $75\frac{1}{2}^{\circ}$ E. 150 lks. dist.,
marked T 4 S R 12 W S 22 B T.
No other bearings available;
Dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and
raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land, level, gently rolling. Soil, 2nd rate, gravelly, dry.
Greasewood, paloverde, few ironwoods.

- East, on a random line bet. secs. 15 & 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. & S. line 5 lks. S. of cor. of secs. 14, 15, 22 & 23, hereinbefore described, whence I run,
S. $89^{\circ}58'$ W. on a true line bet. secs. 15 & 22.
Over level land, through dense brush.
- 15.00 Enter draw, course S.
- 34.00 Wash, 150 lks. wide, course SSE.
- 39.98 Set an iron post $\frac{3}{4}$ ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 15 in N., and
S 22 in S. half, 1914 on S. rim; from which,
A paloverde tree 12 ins. diam. brs. N. $75\frac{1}{4}^{\circ}$ E. 185 lks. dist.,
marked $\frac{1}{4}$ S 15 B T.
A paloverde tree 6 ins. diam. brs. S. $85\frac{1}{4}^{\circ}$ E. 180 lks. dist.,
marked $\frac{1}{4}$ S 22 B T.
- Leave draw.
- 42.45 Old road, brs. N. & S.
- 51.80 Main road, brs. N. & S.
- 57.70 Wash, 1 ch. wide, course S.

12

Subdivision of T. 4 S., R. 12 W.

Chains.

- 79.96 To cor. of secs. 15, 16, 21 & 22.
Land, rolling. Soil, 2nd rate, sandy loamy, gravelly.
Greasewood, paloverde, ironwood.
- S. 0° 2' E. bet. secs. 21 & 22.
Over gently rolling land, through scattering brush.
- 16.95 Wash, 15 lks. wide, course SE.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 21 in W., and
S 22 in E. half,; 1914 on S. rim;
No trees available, pits impracticable.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 69.60 Wash, 15 lks. wide. course SE.
- 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 & 28, marked on
brass cap. 1914 on S. rim,
T 4 S R 12 W, in N. half,
S 21 in NW.,
S 22 in NE.,
S 27 in SE., and
S 28 in SW. quad.; from which,
A paloverde tree 12 ins. diam. brs. N. $88\frac{1}{2}$ ° W. 121 lks. dist.,
marked T 4 S R 12 W S 21 B T.
No other trees available; pits impracticable.
Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Land, level, rolling.
Soil, 2nd rate, gravelly, dry, loose.
Greasewood, paloverde, few cacti.
-
- 40.00 N. 89°58' E. on a random line bet. secs. 22 & 27.
Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. & S. line 2 lks. N. of cor. of secs.
22, 23, 26 & 27, hereinbefore described, whence I. run,
S. 89°59' W. on a true line bet. secs. 22 & 27.
Over rolling land, through dense brush.
- 5.00 Enter draw, course S.
- 7.60 Wash, 70 lks. wide, course S.
- 15.00 Leave draw.
- 22.90 Wash, 20 lks. wide, course SE.
- 28.55 Wash, 40 lks. wide, course SSE.
- 37.12 Road, brs. NNW. & SSE.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 22 in N., and
S 27 in S. half, 1914 on S. rim; from which,
An ironwood tree 18 ins. diam. brs. N. 78° E. 166 lks. dist.,
marked $\frac{1}{4}$ S 22 B T.
A paloverde tree 14 ins. diam. brs. S. 88° E. 225 lks. dist.,
marked $\frac{1}{4}$ S 27 B T.
- 53.63 Old road, brs. N. & S.
- 62.10 Wash, 20 lks. wide, course S.
- 75.10 Wash, 10 lks. wide, course S.
- 79.98 To cor. of secs. 21, 22, 27 & 28.
Land, rolling.
Soil, 2nd rate, gravelly, dry.
Greasewood, ironwood, paloverde, few cacti.
June 14, 1914.
- 1914
June 16, continued.
- S. 0° 2' E. bet. secs. 27 & 28.
Over rolling land, through dense brush,
- 27.15 Wash, 20 lks. wide, course SE.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on
S. rim, $\frac{1}{4}$ S 28 in W., and
S 27 in E. half, pits impracticable.
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 78.90 Wash, 20 lks. wide, course SE.

Chains.

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 & 34, marked on brass cap, 1914 on S. rim,
 T 4 S R 12 W, in N. half,
 S 28 in NW.,
 S 27 in NE.,
 S 34 in SE., and
 S 33 in SW. quad.; from which,
 A paloverde tree 8 ins. diam. brs. N. 40° E. 96 lks. dist., marked T 4 S R 12 W S 27 B T.
 A mesquite tree 8 ins. diam. brs. S. 64½° E. 95 lks. dist., marked T 4 S R 12 W S 34 B T.
 A paloverde tree 6 ins. diam. brs. S. 41° W. 40 lks. dist., marked T 4 S R 12 W S 33 B T.
 A mesquite tree 12 ins. diam. brs. N. 12½° W. 42 lks. dist., marked T 4 S R 12 W S 28 B T.
 Land, rolling. Soil, 2nd rate, gravelly, coarse. Greasewood, mesquite, paloverde, few cacti.

N. 89° 59' E. on a random line bet. secs. 27 & 34.
 40.00 Set temp. ¼ sec. cor.
 79.96 Intersect N. & S. line 2 lks. N. of cor. of secs. 26, 27, 34 & 35, hereinbefore described, whence I run, West, on a true line bet. secs. 27 & 34.
 Over rolling land, through dense brush.
 1.50 Wash, 130 lks., course SE.
 33.50 Road, brs. N. & S.
 39.98 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 27 in N., and ¼ S 34 in S. half, 1914 on S. rim;
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
 73.83 Wash, 30 lks. wide, course S.
 79.17 Wash, 25 lks. wide, course SE.
 79.96 To cor. of secs. 27, 28, 33 & 34.
 Land, rolling, level.
 Soil, 2nd rate, sandy, loamy, gravelly, dry, loose.
 Note: At this cor., at noon, I set off 23° 21' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 33° 02½' N.

S. 0° 2' E. on a true line, bet. secs. 33 & 34
 Over rolling or level plain, drains S., through sparse brush.
 4.49 Wash, 25 lks. wide, course SW.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 33 in W., and ¼ S 34 in E. half, 1914 on S. rim; from which,
 A paloverde tree 6 ins. diam. brs. S. 52° E. 114 lks. dist., marked ¼ S 34 B T.
 An ironwood tree 6 ins. diam. brs. S. 12½° W. 431 lks. dist., marked ¼ S 33 B T.
 80.54 Intersect N. bdy. of T. 5 S., R. 12 W., whence cor. of secs. 3 & 4, reestab. by me as described in book "D", bears N. 89° 45' W., 1.09 chs. dist.,
 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. 33 & 34, marked on brass cap, 1914 on S. rim,
 C C, N. of centre,
 T 4 S in N.,
 T 5 S, S 3, S 4, in S., and
 R 12 W in W. half,
 S 33 in NW., and S 34 in NE. quad.;
 No bearings available, pits impracticable.
 Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
 Land, rolling. Soil, 2nd rate, gravelly, sandy, dry.
 Greasewood, few paloverde and cacti.

14

Subdivision of T. 4 S., R. 12 W.

Chains.

June 15, 1914.

At 8h a.m., l.m.t., at the cor. of secs. 4, 5, 32 & 33, on the N. bdy. of the Tp., as established by John F. Hesse, as described in book "B"

I set off $23^{\circ}18\frac{1}{2}'$ N. on the decl. arc, and $33^{\circ}07'$ N. on the lat. arc, and determine a meridian with the solar.

Thence I run,

S. $0^{\circ}2'$ E. bet. secs. 4 & 5.

Over rolling land, through dense brush.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 5 in W., and

S 4 in E. half; pits impracticable

80.00 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 8 & 9, marked on brass cap, 1914 on S. rim;

T 4 S R 12 W, in N. half,

S 5 in NW.,

S 4 in NE.,

S 9 in SE., and

S 8 in SW. quad.; from which

A paloverde tree 14 ins. diam. brs. N. $89\frac{1}{2}^{\circ}$ E. 183 lks. dist., marked T 4 S R 12 W S 4 B T.

An ironwood tree 12 ins. diam. brs. S. $97\frac{1}{2}^{\circ}$ E. 178 lks. dist., marked T 4 S R 12 W S 9 B T.

An ironwood tree 12 ins. diam. brs. S. $9\frac{3}{4}^{\circ}$ W. 143 lks. dist., marked T 4 S R 12 W S 8 B T.

A paloverde tree 12 ins. diam. brs. N. $9\frac{1}{2}^{\circ}$ W. 432 lks. dist., marked T 4 S R 12 W S 5 B T.

Land, rolling, level. Soil, 2nd rate, gravelly, dry. Greasewood, paloverde, ironwood, few cacti.

N. $89^{\circ}59'$ E. on a random line bet. secs. 4 & 9.

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

80.02 Intersect cor. of secs. 3, 4, 9 & 10, hereinbefore described, whence I run,

✓ S. $89^{\circ}59'$ W. on a true line bet. secs. 4 & 9'

Over level land, through scattering brush.

7.00 Wash, 80 lks. wide, course S.

40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 4 in N., and S 9 in S. half; 1914 on S. rim, No bearings available.

Dig pits $18 \times 18 \times 12$ ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.02 To cor. of secs. 4, 5, 8 & 9.

Land, level, gently rolling.

Soil, 2nd rate, loamy, sandy, gravelly, dry.

Greasewood, paloverde, few cacti and other brush.

S. $0^{\circ}2'$ E. bet. secs. 8 & 9.

Over rolling land, through scattering brush.

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

S 9 in E. half, 1914 on S. rim; from which,

A paloverde tree 6 ins. diam. brs. N. $9\frac{3}{4}^{\circ}$ W. 275 lks. dist., marked $\frac{1}{4}$ S 8 B T.

A paloverde tree 8 ins. diam. brs. S. 86° E. 143 lks. dist., marked $\frac{1}{4}$ S 9 B T.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 8, 9, 16 & 17, marked on brass cap, 1914 on S. rim,

T 4 S R 12 W, in N. half,

S 8 in NW., S 9 in NE.,

S 16 in SE. & S 17 in SW. quad.;

dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land, rolling. Soil, 2nd rate, gravelly, dry.

Greasewood, few paloverde, ironwood, cacti.

Chains.
 N. 89°59' E. on a random line bet. secs. 9 & 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. & S. line 2 lks. N. of cor. of secs.
 9, 10, 15 & 16, hereinbefore described, whence I run,
 ✓ West, on a true line bet. secs. 9 & 16.
 Over rolling land, through scattering brush.
 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on
 S. rim, $\frac{1}{4}$ S 9 in N., and
 S 16 in S. half, Pits impracticable
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 55.50 Wash, 50 lks. wide, course S.
 72.00 Wash, 40 lks. wide, course S.
 80.04 To cor. of secs. 8, 9, 16 & 17.
 Land, rolling.
 Soil, 2nd rate, gravelly, dry.
 Greasewood, few paloverde, ironwood, cacti.

S. 0° 2' E. bet. secs. 16 & 17.
 Over rolling land, through dense brush.
 20.00 Wash, 40 lks. wide, course SE.
 40.00 Wash, 30 lks. wide, course SE. Pt. for $\frac{1}{4}$ sec. cor. in wash.
 40.20 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on
 brass cap, 1914 on S. rim,
 W C $\frac{1}{4}$ N. of centre,
 S 16 in SE., and
 S 17 in SW. quad.; from which,
 An ironwood tree 6 ins. diam. brs. N. $14\frac{1}{2}$ ° W. 73 lks. dist.,
 marked $\frac{1}{4}$ S 17 W C B T.
 An ironwood tree 6 ins. diam. brs. S. $57\frac{3}{4}$ ° E. 46 lks. dist.,
 marked $\frac{1}{4}$ S 16 W C B T.
 61.00 Wash, 46 lks. wide, course SE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 16, 17, 20 & 21, marked on
 brass cap, 1914 on S. rim,
 T 4 S R 12 W, in N. half,
 S 17 in NW.,
 S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quad.; from which,
 A paloverde tree 9 ins. diam. brs. N. $9\frac{1}{2}$ ° W. 110 lks. dist.,
 marked T 4 S R 12 W S 17 B T.
 An ironwood tree 18 ins. diam. brs. S. 60 ° W. 99 lks. dist.,
 marked T 4 S R 12 W S 20 B T.
 No other trees available, pits impracticable.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. ✓
 Land, rolling. Soil, 2nd rate, gravelly, dry.
 Greasewood, ironwood, paloverde, few cacti.
 Note: At this cor., at noon, I set off 23°19' N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 33°04' N.

East, on a random line bet. secs. 16 & 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect cor. of secs. 15, 16, 21 & 22, hereinbefore
 described, whence I run,
 ✓ West, on a true line bet. secs. 16 & 21.
 Over rolling land, through scattering brush.
 36.60 Wash, 2 chs. wide, course S.
 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 16 in N., and
 S 21 in S. half, 1914 on S. rim; from which,
 A paloverde tree 8 ins. diam. brs. N. $11\frac{3}{4}$ ° E. 148 lks. dist.,
 marked $\frac{1}{4}$ S 16 B T.
 A mesquite tree 9 ins. diam. brs. S. $89\frac{3}{4}$ ° E. 250 lks. dist.,
 marked $\frac{1}{4}$ S 21 B T.
 55.00 Wash, 140 lks. wide, course S.
 80.04 To cor. of secs. 16, 17, 20 & 21.
 Land rolling. Soil, 2nd rate, gravelly, coarse.
 Greasewood, few paloverde, ironwood and mesquite trees.

- Chains.
- S. 0° 2' E. bet. secs. 20 & 21.
Over level or rolling land, through sparse brush.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 in W., and S 21 in E. half, 1914 on S. rim; from which, A paloverde tree 10 ins. diam. brs. S. 66 $\frac{1}{2}$ ° E. 120 lks. dist., marked $\frac{1}{4}$ S 21 B T.
A paloverde tree 6 ins. diam. brs. S. 46° W. 96 lks. dist., marked $\frac{1}{4}$ S 20 B T.
- 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 & 29, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 20 in NW., S 21 in NE., S 28 in SE., and S 29 in SW. quad.; Pits impracticable.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Land, rolling, level, drains S.
Soil, 2nd rate, gravelly, dry, coarse.
Greasewood, few paloverde and scrub mesquite trees.
-
- East, on a random line bet. secs. 21 & 28.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. & S. line 2 $\frac{1}{4}$ lks. S. of cor. of secs. 21, 22, 27 & 28, herein before described, whence I run, $\sqrt{S. 89^{\circ} 59' W.}$ on a true line bet. secs. 21 & 28.
Over rolling land, through sparse brush.
- 39.30 Wash, 25 lks. wide, course S.
- 40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 21 in N., and S 28 in S. half, 1914 on S. rim; from which, A paloverde tree 6 ins. diam. brs. N. 74° E. 55 lks. dist., marked $\frac{1}{4}$ S 21 B T.
A mesquite tree 9 ins. diam. brs. S. 5° W. 69 lks. dist., marked $\frac{1}{4}$ S 28 B T.
- 59.00 Wash, 10 lks. wide, course S.
- 80.04 To cor. of secs. 20, 21, 28 & 29.
Land, rolling.
Soil, 2nd rate, gravelly, coarse.
Greasewood, few paloverde, ironwood and mesquite trees.
June 15, 1914.
-
- 1914
June 16, continued.
- S. 0° 2' E. bet. secs. 28 & 29.
Over rolling land, through dense brush,
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 29 in W., and S 28 in E. half, Pits impracticable,
raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
- 67.85 Wash, 40 lks. wide, course SE.
- 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 & 33, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 29 in NW., S 28 in NE., S 33 in SE., and S 32 in SW. quad.; no trees near,
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, 2nd rate, gravelly, dry.
Sparse greasewood, few paloverde, ironwood and mesquite trees.

Chains.

N. 89°59' E. on a random line bet. secs. 28 & 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. & S. line 2 lks. N. of cor. of secs.
 27, 28, 33 & 34, hereinbefore described, whence I run,
 West, on a true line bet. secs. 28 & 33.
 Over rolling land, through dense brush.
 34.00 Wash, 25 lks. wide, course S.
 40.03 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 28 in N., and
 S 33 in S. half, 1914 on S. rim; from which,
 A paloverde tree 10 ins. diam. brs. N. 55° W. 140 lks. dist.,
 marked $\frac{1}{4}$ S 28 B T.
 A paloverde tree 8 ins. diam. brs. S. 60° E. 74 lks. dist.,
 marked $\frac{1}{4}$ S 33 B T.
 49.50 Wash, 15 lks. wide, course S.
 65.00 Wash, 20 lks. wide, course S.
 80.06 To cor. of secs. 28, 29, 32 & 33.
 Land, rolling.
 Soil, 2nd rate, gravelly, sandy, dry, loose.
 Greasewood, sage brush, few paloverde and ironwood trees.

S. 0° 2' E. on a true line, bet. secs. 32 & 33
 Over gently rolling land, drains S., through dense brush.
 12.40 Wash, 30 lks. wide, course SE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 32 in W., and
 S 33 in E. half, 1914 on S. rim;
 dig pits 18x18x12 ins. N. & 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.
 80.34 Intersect N. bdy. of T. 5 S., R. 12 W., whence
 cor. of secs. 4 & 5, reestab. by me as described in
 in book "D", bears N. 89° 58' W., 1.01 cha. dist. and
 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. 32 & 33, marked on
 brass cap, 1914 on S. rim,
 C C, N. of centre,
 T 4 S in N.,
 T 5 S, S 4, S 5, in S., and
 R 12 W in W. half,
 S 32 in NW., and
 S 33 in NE. quad.;
 No bearings available, pits impracticable.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Land, rolling.
 Soil, 2nd rate, gravelly, dry, loose.
 Greasewood, sage brush, paloverde.
 June 16, 1914. concluded.

Chains.	
	<p>June 17, 1914. At 8h a.m., l.m.t., at the cor. of secs. 5, 6, 31 & 32, on the N. bdy. of the Tp., an iron post as established established by John F. Hesse, as described in book "B" I set off $23^{\circ}23'$ N. on the decl. arc, and $33^{\circ}07'$ N. on the lat. arc, and determine a meridian with the solar thence I run, S. $0^{\circ}3'$ E. bet. secs. 5 & 6. Over level or gently rolling land, through scattering brush.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 in W., and S 5 in E. half, 1914 on S. rim; from which, A paloverde tree 14 ins. diam. brs. S. 14° E. 187 lks. dist., marked $\frac{1}{4}$ S 5 B T. A paloverde tree 12 ins. diam. brs. S. $21\frac{1}{2}^{\circ}$ W. 64 lks. dist., marked $\frac{1}{4}$ S 6 B T.</p>
80.00	<p>Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 7 & 8, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 6 in NW., S 5 in NE., S 8 in SE., and S 7 in SW. quad.; from which, An ironwood tree 4 ins. diam. brs. N. $7\frac{1}{2}^{\circ}$ E. 170 lks. dist., marked T 4 S R 12 W S 5 B T. A paloverde tree 8 ins. diam. brs. S. 13° E. 245 lks. dist., marked T 4 S R 12 W S 8 B T. A paloverde tree 6 ins. diam. brs. S. 52° W. 149 lks. dist., marked T 4 S R 12 W S 7 B T. A paloverde tree 8 ins. diam. brs. N. $41\frac{3}{4}^{\circ}$ W. 312 lks. dist., marked T 4 S R 12 W S 6 B T. Land. rolling. Soil, 2nd rate, gravelly, dry. Greasewood, sage brush, few paloverde and ironwood trees.</p>
	<p>N. $89^{\circ}59'$ E. on a random line bet. secs. 5 & 8.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	<p>Intersect N. & S. line $2\frac{1}{2}$ lks. N. of cor. of secs. 4, 5, 8 & 9, hereinbefore described, whence I run, West, on a true line bet. secs. 5 & 8. Over rolling land, through scattering brush.</p>
5.50	Wash, 40 lks. wide, course SE.
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 in N., and S 8 in S. half, 1914 on S. rim; dig pits 18x18x12 ins. E. & W. of cor. 3ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.</p>
80.00	<p>To cor. of secs. 5, 6, 7 & 8. Land, rolling. Soil, 2nd rate, gravelly, dry. Greasewood, few paloverde, cacti.</p>
	<p>S. $89^{\circ}59'$ W. on a random line bet. secs. 6 & 7.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.46	<p>Intersect W. bdy. of Tp. $2\frac{1}{4}$ lks. N. of cor. of secs. 1, 6, 7 & 12, an iron post marked and witnessed as described by the Surveyor General, whence I run, N. $89^{\circ}58'$ E. on a true line bet. secs. 6 & 7. Over rolling land, through scattering brush.</p>
39.46	<p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 6 in N., and S 7 in S. half; Dig pits 18x18x12 ins. E. & 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.</p>
47.00	Wash, 1 chs. wide, course S.
79.46	<p>To cor. of secs. 5, 6, 7 & 8. Land, rolling. Soil, 2nd rate, gravelly, dry. Greasewood, sage brush, few paloverde, cacti.</p>

Subdivision of T. 4 S., R. 12 W.

Chains.

S. 0° 3' E. bet. secs. 7 & 8.
 Over rolling land, through scattering brush.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 in W., and S 8 in E. half;
 dig pits 18x18x12 ins. N. & 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. 7, 8, 17 & 18, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 7 in NW., S 8 in NE., S 17 in SE., and S 18 in SW. quad.;
 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, 2nd rate, gravelly, dry.
 Greasewood, paloverde, few cacti.

East, on a random line bet. secs. 8 & 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 2 lks. S. of cor. of secs. 8, 9, 16 & 17 hereinbefore described, whence I run, \checkmark S. 89°59' W. on a true line bet. secs. 8 & 17.
 Over rolling land, through scattering brush.
 5.60 Wash, 30 lks. wide, course S.
 36.00 Wash, 30 lks. wide, course S.
 39.98 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 8 in N., and S 17 in S. half; 1914 on S. rim;
 dig pits 18x18x12 ins. E. & W. 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.
 48.00 Wash, 30 lks. wide, course S.
 60.00 Wash, 20 lks. wide, course S.
 79.96 To cor. of secs. 7, 8, 17 & 18.
 Land, rolling. Soil, 2nd rate, gravelly, dry.
 Greasewood, ironwood, paloverde, few cacti.
 Note: At this cor. at noon, I set off 23°23' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 33°05' N.

S. 89°58' W. on a random line bet. secs. 7 & 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.71 Intersect W. bdy. of Tp. 5 lks. S. of cor. of secs. 7, 12, 13 & 18, an iron post, marked and witnessed as described by the Surveyor General, whence I run, \checkmark East, on a true line bet. secs. 7 & 18.
 Over rolling land, through dense brush.
 34.00 Wash, 4 chs. wide, course S., main draw
 39.71 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 in N., and S 18 in S. half, 1914 on S. rim; from which,
 An ironwood tree 4 ins. diam. brs. N. 14 $\frac{3}{4}$ ° W. 57 lks. dist., marked $\frac{1}{4}$ S 7 B T.
 An ironwood tree 6 ins. diam. brs. S. 49 $\frac{1}{4}$ ° W. 34 lks. dist., marked $\frac{1}{4}$ S 18 B T.
 74.50 Middle of draw 4 chs. wide, course S.
 79.71 To cor. of secs. 7, 8, 17 & 18.
 Land, rolling.
 Soil, 2nd rate, gravelly, dry, sandy, loose.
 Greasewood, sage brush, paloverde, ironwood, cacti.

Chains.	
	S. $0^{\circ} 3'$ E. bet. secs. 17 & 18. Over rollingland, through scattering brush.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 in W., and S 17 in E. half; 1914 on S. rim;
80.00	dig pits 18x8x12 ins. N. & 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. Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 17, 18, 19 & 20, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 18 in NW., S 17 in NE., S 20 in SE., and S 19 in SW. quad.; from which, An ironwood tree 24 ins. diam. brs. S. 68° W. 160 lks. dist., marked T 4 S R 12 W S 19 B T. No other trees near, pits impracticable. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Land, rolling. Soil, 2nd rate, gravelly, sandy, dry, loose. Greasewood, ironwood, paloverde, few cacti.
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	N. $89^{\circ} 59'$ E. on a random line bet. secs. 17 & 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. & S. line $2\frac{1}{2}$ lks. N. of cor. of secs. 16, 17, 20 & 21, hereinbefore described, whence I run, West, on a true line bet. secs. 17 & 20. Over rolling land, through scattering brush.
21.00	Wash, 200 lks. wide, course S.
39.99	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 17 in N., and S 20 in S. half; *Pits impracticable, raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
44.00	Wash, 4 chs. wide, course SE.
45.50	Wash, 20 lks. wide, course S.
79.98	To cor. of secs. 17, 18, 19 & 20. Land, rolling. Soil, 2nd rate, gravelly, dry. Greasewood, paloverde, ironwood, scrub mesquite, few cacti.
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	West on a random line bet. secs. 18 & 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect W. bdy. of Tp. 9 lks. N. of cor. of secs. 13, 18, 19 & 24, an iron post, marked and witnessed as described by the Surveyor General, whence I run, N. $89^{\circ} 56'$ E., on a true line bet. secs. 18 & 19. Over rolling land, through dense brush.
1.40	Wash, 60 lks. wide, course SSE.
12.40	Wash, 40 lks. wide, course SSE.
39.84	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 18 in N., and S 19 in S. half; 1914 on S. rim; dig pits 18x18x12 ins. E. & 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.
67.40	Wash, 40 lks. wide, course SSE.
78.50	Wash, 60 lks. wide, course SSE.
79.84	To cor. of secs. 17, 18, 19 & 20. Land, rolling. Soil, 2nd rate, gravelly, dry. Greasewood, paloverde, dense ironwood and mesquite along main washes. June 17, 1914.

Chains.

June 19, 1914.

At 7h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20, hereinbefore described,

I set off $23^{\circ}26'$ N. on the decl. arc, and $33^{\circ}04\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,S. $0^{\circ}3'$ E. bet. secs. 19 & 20.

Over rolling land, through dense brush.

5.70

Wash, 70 lks. wide, course SSE.

40.00

Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 in W., and

S 20 in E. half; 1914 on S. rim;

No trees available, pits impracticable.

Raise a mound of stone 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. 19, 20, 29 & 30, marked on brass cap, 1914 on S. rim,

T 4 S R 12 W, in N. half,

S 19 in NW.,

S 20 in NE.,

S 29 in SE., and

S 30 in SW. quad.; from which,

A paloverde tree 10 ins. diam. brs. N. 54° E. 58 lks. dist., marked T 4 S R 12 W S 20 B T.A paloverde tree 8 ins. diam. brs. S. 47° E. 223 lks. dist., marked T 4 S R 12 W S 29 B T.A paloverde tree 6 ins. diam. brs. S. 43° W. 139 lks. dist., marked T 4 S R 12 W S 30 B T.An ironwood tree 4 ins. diam. brs. N. 19° W. 83 lks. dist., marked T 4 S R 12 W S 19 B T.

Land, rolling. Soil, 2nd rate, gravelly, dry.

Greasewood, ironwood, paloverde, few cacti.

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

40.00

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

79.98

Intersect N. & S. line 5 lks. N. of cor. of secs. 20, 21, 28 & 29, hereinbefore described, whence I run, N. $89^{\circ}58'$ W. on a true line bet. secs. 20 & 29.

Over rolling land, through dense brush.

39.99

Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 20 in N., and

S 29 in S. half; 1914 on S. rim; from which,

An ironwood tree 12 ins. diam. brs. N. 2° E. 151 lks. dist., marked $\frac{1}{4}$ S 20 B T. no other trees near.Dig pits $18 \times 18 \times 12$ ins. E. & 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.

46.90

Wash, 60 lks. wide, course SSE.

79.98

To cor. of secs. 19, 20, 29 & 30.

Land, rolling. Soil, 2nd rate, gravelly, dry.

Greasewood, paloverde, ironwood, few cacti.

S. $89^{\circ}56'$ W. on a random line bet. secs. 19 & 30.

40.00

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

79.99

Intersect W. bdy. of Tp. $18\frac{1}{2}$ lks. N. of cor. of secs. 19, 24, 25 & 30, an iron post, marked and witnessed as described by the Surveyor General, whence I run,N. $89^{\circ}48'$ E. on a true line bet. secs. 19 & 30.

Over gently rolling land, through dense brush.

26.30

Wash, 60 lks. wide, course S.

39.99

Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 in N., and

S 30 in S. half, 1914 on S. rim; from which,

A catclaw tree 14 ins. diam. brs. N. 10° E. 53 lks. dist., marked $\frac{1}{4}$ S 19 B T.A paloverde tree 12 ins. diam. brs. S. 1° W. 50 lks. dist., marked $\frac{1}{4}$ S 30 B T.

74.00

Wash, 60 lks. wide, course SSE.

79.99

To cor. of secs. 19, 20, 29 & 30.

Land, rolling. Soil, 2nd rate, sandy, loamy, loose, dry.

Greasewood, ironwood, paloverde, catclaw, cacti.

Chains.

- S. $0^{\circ} 3'$ E. bet. secs. 29 & 30.
Over rolling land, through dense brush.
- 6.30 Wash, 30 lks. wide, course SE.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 in W., and S 29 in E. half; 1914 on S. rim; from which, A paloverde tree 8 ins. diam. brs. N. 84° E. 78 lks. dist., marked $\frac{1}{4}$ S 29 B T.
An ironwood tree 12 ins. diam. brs. S. 7° W. 186 lks. dist., marked $\frac{1}{4}$ S 30 B T.
- 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 & 32, marked on brass cap, 1914 on S. rim, T 4 S R 12 W, in N. half, S 30 in NW., S 29 in NE., S 32 in SE., and S 31 in SW. quad.; from which, An ironwood tree 10 ins. diam. brs. N. 77° W. 133 lks. dist., marked T 4 S R 12 W S 30 B T.
A paloverde tree 9 ins. diam. brs. N. 68° E. 232 lks. dist., marked T 4 S R 12 W S 29 B T.
An ironwood tree 8 ins. diam. brs. S. 64° E. 246 lks. dist., marked T 4 S R 12 W S 32 B T.
A paloverde tree 6 ins. diam. brs. S. 34° W. 456 lks. dist., marked T 4 S R 12 W S 31 B T.
- Land, rolling. Soil, 2nd rate, gravelly, dry.
Greasewood, paloverde, ironwood, sage brush, cacti.
-
- S. $89^{\circ} 58'$ E. on a random line bet. secs. 29 & 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. & S. line at cor. of secs. 28, 29, 32 & 33, hereinbefore described, whence I run, N. $89^{\circ} 58'$ W. on a true line bet. secs. 29 & 32.
Over rolling or level plain. in large draw, through dense brush.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 29 in N., and S 32 in S. half; 1914 on S. rim; from which, A paloverde tree 10 ins. diam. brs. S. 86° W. 136 lks. dist., marked $\frac{1}{4}$ S 32 B T.
An ironwood tree 10 ins. diam. brs. N. 86° E. 45 lks. dist., marked $\frac{1}{4}$ S 29 B T.
- 80.02 To cor. of secs. 29, 30, 31 & 32.
Land, rolling, level. Soil, 2nd rate, loamy, loose, dry.
Greasewood, sage brush, paloverde, ironwood.
-
- S. $89^{\circ} 48'$ W. on a random line bet. secs. 30 & 31.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect W. bdy. of Tp. 5 lks. S. of cor. of secs. 25, 30, 31 & 36, an iron post, marked and witnessed as described by the Surveyor General, whence I run, N. $89^{\circ} 50'$ E. on a true line bet. secs. 30 & 31.
Over level land, in broad draw, through dense brush.
- 40.10 Pt. for $\frac{1}{4}$ sec. cor. falls in road, brs. NW & SE.
- 40.35 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, W C $\frac{1}{4}$ W. of centre, S 30 in NE., and S 31 in SE. quad.; dig pits 18x18x12 ins. E. & 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.
- 70.45 Wash, 120 lks. wide, course S.
- 80.10 To cor. of secs. 29, 30, 31 & 32.
Land, rolling, level. Soil, 1st & 2nd rate, loamy, loose.
Greasewood, sage brush, paloverde, ironwood and mesquite along washes.
- Note: At this cor., at noon, I set off $23^{\circ} 26'$ N. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $33^{\circ} 02'$ N.

Chains.

S. 0° 3' E. on a true line, bet. secs. 31 & 32
 Over level land, through dense brush.

20.00 Enter broad draw, course SSE.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 31 in W., and
 S 32 in E. half; 1914 on S. rim;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

42.60 Road, brs. NW. & SE.

51.00 Wash, 1 ch. wide, course SE.

53.70 Wash, 1 ch. wide, course ESE.

80.00 Wash, 40 lks. wide, course SE.

80.35 Intersect N. bdy. of T. 5 S., R. 12 W., whence
 cor. of secs. 5 & 6, reestab. by me as described
 in book "D", bears N. 89° 58' W., 1.20 chs. dist.,
 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. 31 & 32, marked on
 brass cap, 1914 on S. rim,
 C C, N. of centre,
 T 4 S in N.,
 T 5 S, S 5, S 6, in S., and
 R 12 W in W. half,
 S 31 in NW., and
 S 32 in NE. quad.; from which,
 A paloverde tree 10 ins. diam. brs. N. 50° E. 43 lks. dist.,
 marked T 4 S R 12 W S 32 C C B T.
 A paloverde tree 8 ins. diam. brs. N. 33° W. 127 lks. dist.,
 marked T 4 S R 12 W S 31 C C B T.

Land, level.
 Soil, 2nd rate, loamy, sandy, dry, loose, fine texture.
 Greasewood, sage brush, paloverde, ironwood, mesquite.

General Description.

T. 4 S., R. 12 W. lies in a rolling plain, draining to the SE. There is no water nor timber in the Tp., nor any indications of a mineral character. No settlers are at present located in the Tp.

The land is of little value except for grazing purposes, but there is but little grass or substenance for cattle in the Tp. The NE. portion includes a barren range of volcanic hills. The SW. portion contains some good land which lies in a large draw, the main drain of this locality, draining the land for miles to the north and north west. The lands along this draw would produce well if watered.

June 19, 1914.

Lease B. Wright

U. S. Surveyor.

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FOR FINAL OATH OF UNITED STATES SURVEYOR.
See Book "E"

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. Aug 2nd, 1915.

The foregoing field notes of the survey of *the*
Subdivision lines of
Township 4 South - Range 12 West
of the Gila and Salt River Base & Meridian
in the State of Arizona

executed by *Jesse B. Wright - U.S. Surveyor*
under his special instructions dated *Feb. 10, 1914 for Group 32*, ~~191~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank H. 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.~~

U. S. Surveyor General.