

2740

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DEC 23 1913

Book "F"

Subdivisions

BOOK 2740

FIELD NOTES

OF THE SURVEY OF THE

Completion of Subdivision of T. 12 S., R. 13 E.

Of the Gila and Salt River Base and Meridian,
In the State of **Arizona.**

EXECUTED BY

Jesse B. Wright,

and

William H. Elliott,

In the capacity of U. S. Surveyors, under instructions dated May 28, 1913, 1913,
issued by the United States Surveyor General to govern surveys included in
Group No. 30, which were approved by the Commissioner of the General Land
Office, June 6, 1913, pursuant to authority contained in the Act of
Congress dated June 23, 1913.

Survey commenced July 17, 1913

Survey completed July 21, 1913

1A

A

BOOK 2740

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~~Book A.~~ Book A.

Chains.

July 17, 1913:

Completion of the Subdivision of T.12 S., R.13 E., begun July 17, 1913, and executed jointly by Jesse B. Wright, and William H. Elliott, U.S. Surveyors, using Young and Sons' light mountain transits Nos. 8145 and 8492, respectively, description and tests given in Books "D," and "E."

Initials J.B.W. and W.H.E. designate lines as run by Wright and Elliott, respectively. J.B.W.

At 7h. a.m., l.m.t., at the cor. of secs. 23, 24, 25, and 26, which is a granite stone 9x6x5 ins. above ground, marked and witnessed as described by the Surveyor General,

I set off $21^{\circ}16\frac{1}{2}'$ N. on the decl. arc; and $32^{\circ}22\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar.

Thence I run, Var. $13^{\circ}40'$ E.

N. $0^{\circ}1'$ W., bet. secs. 23 and 24.

Over gently rolling mesa land, through dense mesquite, palo verde, ironwood, and cactus.

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, 1913 on S. rim; $\frac{1}{4}$ S 23 in W., and

S 24 in E. half; from which,

A palo verde tree, 4 ins. in diam., brs. S. 11° E., 52 lks. dist., marked $\frac{1}{4}$ S 24 B T.

A mesquite, 6 ins. in diam., brs. N. $67\frac{1}{2}^{\circ}$ W., 95 lks. dist., marked $\frac{1}{4}$ S 23 B T.

43.80 Old railroad grade, narrow gauge, brs. NNE. and SSW., obsolete.

46.00 Draw, 60 lks. wide, course WNW.

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, marked on brass cap, 1913 on S. rim;

T 12 S R 13 E in N. half;

S 14 in NW.,

S 13 in NE.,

S 24 in SE., and

S 23 in SW. quadrant; from which,

An ironwood tree, 4 ins. in diam., brs. N. $69\frac{1}{2}^{\circ}$ E., 76 lks. dist., marked T 12 S R 13 E S 13 B T.

An ironwood tree, 6 ins. in diam., brs. S. $68\frac{1}{2}^{\circ}$ E., 38 lks. dist., marked T 12 S R 13 E S 24 B T.

An ironwood tree, 6 ins. in diam., brs. S. $33\frac{1}{2}^{\circ}$ W., 61 lks. dist., marked T 12 S R 13 E S 23 B T.

An ironwood tree, 8 ins. in diam., brs. N. $11\frac{1}{2}^{\circ}$ W., 52 lks. dist., marked T 12 S R 13 E S 14 B T.

Land, rolling.

Soil, 3rd rate, sandy, gravelly, dry.

Mesquite, catclaw, ironwood, palo verde, cacti; poor grass.

East, bet. secs. 13 and 24.

Over rolling land; ascend gradually through dense brush. Old R.R. grade, brs. NNE. and SSW.

14.95
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, 1913 on S. rim; $\frac{1}{4}$ S 13 in N., and

S 24 in S. half; from which,

A palo verde tree, 14 ins. in diam., brs. N. $37\frac{1}{2}^{\circ}$ E., 167 lks. dist., marked $\frac{1}{4}$ S 13 B T.

A mesquite tree, 8 ins. in diam., brs. S. 15° W., 71 lks. dist., marked $\frac{1}{4}$ S 24 B T.

40.20 Wash, 10 lks. wide, course NW.

67.90 Road, Tucson to Oracle, brs. N. and S.

70.70 Telephone line, brs. N. and S., Tucson to Oracle.

81.62 Intersect west bdy. of Tp. 12 S., R. 14 E., whence cor. of secs. 18 and 19 brs. S. $0^{\circ}02'$ E., 182 lks. dist., which is a granite stone 12x8x6 ins. above ground, formerly

BOOK 1173

2. Completion of Subdivision of Township 12 South, Range 13 East.

Chains.

cor. to secs. 13, 18, 19 and 24, but changed by me yesterday, as described in Book "A."
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 13 and 24, marked on brass cap, 1913 on S rim;
 C C E of center,
 T 12 S in N., and
 R 14 E S 18, S 19 in E half;
 R 13 E S 24 in SW., and
 S 13 in NW quadrant; from which,
 A mesquite tree, 8 ins. in diam., brs. S. 30 1/2° W., 136 lks. dist., marked T 12 S R 13 E S 24 C C B T.
 A palo verde tree, 14 ins. in diam., brs. N. 16° W., 197 lks. dist., marked T 12 S R 13 E S 13 C C B T.

Land, gently rolling.
 Soil, 3rd rate, sandy, gravelly, loose, dry.
 Mesquite, greasewood, palo verde, cacti, sparse grass.

N. 0° 1' W., bet. secs. 13 and 14.
 Over rolling mesa, through dense brush.
 25.00 Descend from mesa, brs. NE. and SW.
 31.00 Foot, brs. NE. and SW.; enter valley of Canada del Oro.
 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, 1913 on S rim; 1/4 S 14 in W., and S 13 in E half; from which,
 A mesquite 6 ins. in diam., brs. N. 76 1/2° E., 109 lks. dist., marked 1/4 S 13 B T.
 A mesquite, 10 ins. in diam., brs. S. 13 1/2° W., 250 lks. dist., marked 1/4 S 14 B T.

50.20 Enter wash of Canada del Oro, course WSW.
 56.00 Leave wash.
 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, marked on brass cap, 1913 on S rim;
 T 12 S R 13 E in N. half;
 S 11 in NW.,
 S 12 in NE.,
 S 13 in SE.; and
 S 14 in SW. quadrant; from which,
 A palo verde tree, 10 ins. in diam., brs. S. 30° E., 115 lks. dist., marked T 12 S R 13 E S 13 B T.

No other bearings available. Dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.
 Land, gently rolling.
 Soil, 3rd rate, sandy, gravelly.
 Mesquite, palo verde, catclaw, ironwood, greasewood, cacti, sparse grass.

East, bet. secs. 12 and 13.
 Over flat of Canada del Oro valley, through dense brush.
 31.50 Enter wash of Canada del Oro, course SW.
 34.50 Leave wash.
 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, 1913 on S rim; 1/4 S 12 in N., and S 13 in S half; from which,
 A mesquite tree, 14 ins. in diam., brs. N. 88° E., 74 lks. dist., marked 1/4 S 12 B T.
 A catclaw tree, 8 ins. in diam., brs. S. 52 3/4° W., 79 lks. dist., marked 1/4 S 13 B T.

Completion of
Subdivision of Township 12 S. uth. Range 13 East. 3.

Chains.

81.60 Intersect west bdy. of Tp. 12 S., R. 14 E., whence cor. of secs. 7 and 18, brs. S. 0° 2' W., 240 lks. dist., which is a granite stone 12x8x6 ins. above ground, formerly cor. to secs. 7, 12, 13 and 18, which I changed yesterday, as described in Book "A."
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 12 and 13, marked on brass cap,
 1913 in S. rim,
 C C E of center,
 T 12 S in N., and
 R 14 E S 7, S 18 in E. half;
 S 12 in NW., and
 R 13 E S 13 in SW. quadrant; no trees suitable for bearing trees in limits.
 Dig pits 24x18x12 ins., crosswise on each line, N. and S. 3 ft., and west of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of cor.
 Land, rolling.
 Soil, 2nd rate, sandy, loamy, loose.
 Mesquite, palo verde, catclaw, ironwood, cacti, sparse grass.
 At this cor. at noon, I set off 21° 13½' N. on the decl. arc; and observe the sun on the meridian; resulting lat. is 32° 24' N.

 N. 0° 1' W., bet. secs. 11 and 12.
 Over rolling land, through dense undergrowth.
 19.00 Leave Valley of Canada del Oro, brs. SW. and NE.; ascend.
 24.00 Top of broken mesa, brs. SW. and NE.; ascend gradually.
 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,
 1913 on S. rim;
 ¼ S 11 in W., and
 S 12 in E. half; from which,
 A mesquite tree, 8 ins. in diam., brs. S 37° E., 32 lks. dist., marked ¼ S 12 B T.
 A palo verde tree, 6 ins. in diam., brs. S 3¾° W., 102 lks. dist., marked ¼ S 11 B T.
 40.15 Wash, 10 lks. wide, course SE.
 68.50 Wash, 50 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. 1, 2, 11 and 12, marked on brass cap, 1913 on S rim;
 T 12 S R 13 E in N. half;
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE., and
 S 11 in SW. quadrant; from which,
 A palo verde tree, 12 ins. in diam., brs. N. 20½° E., 82 lks. dist., marked T 12 S R 13 E S 1 B T.
 A palo verde tree, 8 ins. in diam., brs. S. 48° E. 61 lks. dist., marked T 12 S R 13 E S 12 B T.
 A mesquite tree, 6 ins. in diam., brs. S. 77¾° W., 81 lks. dist., marked T 12 S R 13 E S 11 B T.
 A mesquite tree, 6 ins. in diam., brs. N. 22° W., 113 lks. dist., marked T 12 S R 13 E S 2 B T.
 Land, rolling.
 Soil, 2nd and 3rd rate, sandy, gravelly, loose, dry.
 Mesquite, palo verde, catclaw, cacti, greasewood, sparse grass.

 East, bet. secs. 1 and 12.
 Over rolling land, through dense undergrowth.
 12.00 Wash, 50 lks. wide, course south.

4. Completion of Subdivision of Township 12 S., R. 13 E.

Chains.

- 21.00 Descend gradually, course south.
- 26.00 Enter valley of wash.
- 31.42 Road in wash, 50 lks. wide, course south.
- 36.00 Ascend steep.
- 40.00 Top of spur from mesa, brs. S. and N.
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, 1913 on S. rim; $\frac{1}{4}$ S 1 in N., and S 12 in S. half;
no bearings available. 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.
Descend from cor.
- 60.00 Enter draw, course SE.
- 64.70 Wash, 30 lks. wide, course SE.
- 67.00 Wash, 40 lks. wide, course SE.
- 71.60 Leave draw; ascend.
- 75.00 South point of spur from mesa, brs. S. and N.; descend.
- 81.60 Intersect west bdy. of T. 12 S., R. 14 E., whence cor. of secs. 6 and 7, brs. S. $0^{\circ}5'$ W., 270 lks. dist., which is a granite stone 10x8x6 ins., above ground, formerly cor. to secs. 1, 6, 7 and 12, which I changed yesterday, as described in Book "A."
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 1 and 12, marked on brass cap,
1913 on S. rim,
C C E of center;
T 12 S in N., and
R 14 E, S 6, S 7 in E. half;
S 1 in NW., and
R 13 E S 12 in SW. quadrant;
no trees suitable for bearing trees in limits.
Dig pits 24x18x12 ins., crosswise on each line, N. and S., 3 ft., and W. of cor., 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land, rolling, broken.
Soil, 3rd rate, sandy, gravelly.
Mesquite, greasewood, palo verde, cacti, sparse grass.
-
- N. $0^{\circ}1'$ W., bet. secs. 1 and 2.
Over broken, rolling mesa, through very dense cholla, cacti, and other undergrowth; ascend gradually.
- 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, 1913 on S. rim; $\frac{1}{4}$ S 2 in W., and S 1 in E. half;
no bearings available. 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.
- 48.00 Flat dividing ridge, brs. ENE. and WSW.
- 77.15 Intersect south bdy. of T. 11 S., R. 13 E., whence cor. of secs. 1, 2, 35 and 36, brs. east, 206 lks. dist., which is a quartzite stone 8x8x5 ins., above ground, marked and witnessed as described by the Sur. Genl. which now becomes cor. of secs. 35 and 36 only.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 1 and 2, marked on brass cap,
1913 in S. rim;
C C S of center,
T 11 S R 13 E, S 35, S 36 in N. half;
S 1 in SE., and
S 2 in SW. quadrant; from which,
A palo verde tree, 6 ins. in diam., brs. S. 77° E., 68 lks. dist., marked T 12 S R 13 E S 1 C C B T.
A palo verde tree, 8 ins. in diam., brs. S. $66\frac{1}{2}^{\circ}$ W., 166 lks. dist., marked T 12 S R 13 E S 2 C C B T.
Land, rolling, broken. Soil, 3rd rate, sandy, gravelly, loose, dry.
Cacti, greasewood, palo verde, mesquite, sparse grass.
July 17, 1913. J. B. W.

Chains.

- July 17, 1913. W. H. E.
 At 7h a.m., l.m.t., at the cor. of secs. 22, 23, 26 & 27, which is a granite stone 9x9x5 ins. above ground, marked and witnessed as described by the Surveyor General,
 I set off $21^{\circ}16\frac{1}{2}'$ N. on the decl. arc, and $32^{\circ}22\frac{1}{2}'$ N. on the Nat. arc, and determine a meridian with the solar. Thence I run, as per instructions,
 Var. $13^{\circ}40'$ E.,
 N. $0^{\circ}1'$ W., bet. secs. 22 & 23.
 Over rolling mesa, through dense mesquite, catclaw, greasewood, and cacti.
- 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, 1913 on S. rim; $\frac{1}{4}$ S 22 in W., and
 S 23 in E. half; from which,
 A catclaw tree 7 ins. diam. brs. S. 38° E. 12 lks. dist., marked $\frac{1}{4}$ S 23 B T.
 A catclaw tree 6 ins. diam. brs. S. 74° W. 95 lks. dist., marked $\frac{1}{4}$ S 22 B T.
- 46.00 Leave mesa, brs. NE. & SW., desc. steep.
- 61.00 Road, brs. N W. & SE.
- 71.00 Foot of slope, enter valley of Canada del Oro, brs. SW. & NE. Wash, 60 lks. wide, course WNW.
- 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, T 12 S R 13 E, in N. half, 1913 on S. rim;
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and
 S 22 in SW. quad.; from which,
 A mesquite tree 14 ins. diam. brs. N. 71° E. 38 lks. dist., marked T 12 S R 13 E S 14 B T.
 A paloverde tree 9 ins. diam. brs. S. 43° E. 66 lks. dist., marked T 12 S R 13 E S 23 B T.
 A paloverde tree 6 ins. diam. brs. S. $23\frac{1}{2}^{\circ}$ W. 58 lks. dist., marked T 12 S R 13 E S 22 B T.
 A paloverde tree 12 ins. diam. brs. N. 31° W. 28 lks. dist., marked T 12 S R 13 E S 15 B T.
- Land, rolling.
 Soil, 2nd & 3rd rate, sandy, gravelly, loamy, loose, dry.
 Mesquite, paloverde, catclaw, greasewood, cacti, sparse grass.
-
- S. $89^{\circ}57'$ E., on a random line bet. secs. 14 & 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. & S. line 21 lks. S. of cor. of secs. 13, 14, 23 & 24, established by J. B. Wright, & hereinbefore described, whence I run,
 S. $89^{\circ}54'$ W., on a true line bet. secs. 14 & 23.
 Over rolling land, through dense undergrowth.
- 24.20 Desc. grad.
- 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, 1913 on S. rim; $\frac{1}{4}$ S 14 in N., and
 S 23 in S. half; from which,
 A paloverde tree 6 ins. diam. brs. S. $57\frac{1}{2}^{\circ}$ W. 104 lks. dist., marked $\frac{1}{4}$ S 23 B T.
 A paloverde tree 6 ins. diam. brs. N. $52\frac{1}{4}^{\circ}$ E. 85 lks. dist., marked $\frac{1}{4}$ S 14 B T.
- 72.00 Foot of slope, enter valley of Canada del Oro, brs. SW. & NE.
- 80.06 To cor. of secs. 14, 15, 22 & 23.
 Land, rolling.
 Soil, 2nd & 3rd rate, sandy, gravelly, loamy, loose, dry.
 Mesquite, paloverde, catclaw, cacti, sparse grass.

6. Completion of subdivision of T. 12 S., R. 13 E.

Chains.

- N. $0^{\circ} 1'$ W., bet. secs. 14 & 15.
Over flat, through dense, heavy mesquite, paloverde,
18.00 Canada del Oro wash, course WSW.
20.00 Leave wash.
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, 1913
on S-rim; $\frac{1}{4}$ S 15 in W., and
S 14 in E. half; from which,
A catclaw 4 ins. diam. brs. N. $89^{\circ} E$. 104 lks. dist.,
marked $\frac{1}{4}$ S 14 B T.
A mesquite tree 8 ins. diam. brs. N. $66\frac{1}{4}^{\circ} W$. 98 lks. dist.,
marked $\frac{1}{4}$ S 15 B T.
55.00 Leave valley, brs. WSW. & ENE., asc. over broken land.
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, T 12 S R 13 E, in N. half, 1913 on S-rim;
S 10 in NW.,
S 11 in NE.,
S 14 in SE., and
S 15 in SW. quad.; from which,
A paloverde tree 8 ins. diam. brs. N. $19\frac{3}{4}^{\circ} E$. 158 lks. dist.,
marked T 12 S R 13 E S 11 B T.
A mesquite tree 8 ins. diam. brs. S. $62^{\circ} E$. 38 lks. dist.,
marked T 12 S R 13 E S 14 B T.
A mesquite tree 4 ins. diam. brs. S. $22\frac{1}{4}^{\circ} W$. 20 lks. dist.,
marked T 12 S R 13 E S 15 B T.
A mesquite tree 6 ins. diam. brs. N. $38\frac{1}{2}^{\circ} W$. 156 lks. dist.,
marked T 12 S R 13 E S 10 B T.
Land, rolling, broken.
Soil, 2nd rate, sandy, gravelly, dry.
Mesquite, paloverde, catclaw, cacti, greasewood, sparse
grass.
-
- N. $89^{\circ} 54'$ E., on a random line bet. secs. 11 & 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.00 Intersect N. & S. line 5 lks. S. of cor. of
secs. 11, 12, 13 & 14, as established by J. B. Wright,
& hereinbefore described, whence I run,
S. $89^{\circ} 52'$ W., on a true line bet. secs. 11 & 14.
Over flat, through scattering mesquite and paloverde.
10.00 Enter dense heavy mesquite and paloverde.
32.00 Leave valley, and dense heavy growth, brs. NE. & SW., asc.
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, 1913
on S-rim; $\frac{1}{4}$ S 11 in N., and
S 14 in S. half; from which,
A mesquite tree 6 ins. diam. brs. S. $51^{\circ} W$. 20 lks. dist.,
marked $\frac{1}{4}$ S 14 B T.
A paloverde tree 10 ins. diam. brs. N. $41\frac{1}{4}^{\circ} W$. 83 lks. dist.,
marked $\frac{1}{4}$ S 11 B T.
80.00 To cor. of secs. 10, 11, 14 & 15.
Land, rolling, broken.
Soil, 2nd & 3rd rate, sandy, loamy, loose, gravelly.
Mesquite, paloverde, catclaw, cacti, sparse grass.
At this cor., at noon, I set off $21^{\circ} 13\frac{1}{2}' N$. on the decl.
arc, and observe the sun on the meridian.
The resulting lat. is $32^{\circ} 24'$ N.

Chains.

N. $0^{\circ} 1'$ W., bet. secs. 10 & 11.
Over rolling land, through dense brush, and cacti.
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, 1913
on S. rim; $\frac{1}{4}$ S 10 in W., and
S 11 in E. half; from which,
A paloverde tree 10 ins. diam. brs. S. $74\frac{1}{2}^{\circ}$ E. 82 lks. dist.,
marked $\frac{1}{4}$ S 11 B T.
A paloverde tree 8 ins. diam. brs. N. $85\frac{1}{2}^{\circ}$ W. 80 lks. dist.,
marked $\frac{1}{4}$ S 10 B T.
58.00 Wash, 50 lks. wide, course SW.
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, T 12 S R 13 E, in N. half, 1913 on S rim;
S 3 in NW.,
S 2 in NE.,
S 11 in SE., and
S 10 in SW. quad.; from which,
A paloverde tree 10 ins. diam. brs. N. 88° E. 15 lks. dist.,
marked T 12 S R 13 E S 2 B T.
A paloverde tree 8 ins. diam. brs. S. $6\frac{1}{2}^{\circ}$ E. 73 lks. dist.,
marked T 12 S R 13 E S 11 B T.
A paloverde tree 6 ins. diam. brs. S. $22\frac{1}{2}^{\circ}$ W. 150 lks. dist.,
marked T 12 S R 13 E S 10 B T.
A paloverde tree 6 ins. diam. brs. N. $82\frac{1}{2}^{\circ}$ W. 86 lks. dist.,
marked T 12 S R 13 E S 3 B T.
Land, rolling.
Soil, 2nd rate, sandy, gravelly, dry.
Mesquite, paloverde, greasewood, dense cholla cacti.

N. $89^{\circ} 52'$ E., on a random line bet. secs. 2 & 11.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. & S. line 5 lks. N. of cor. of
secs. 1, 2, 11 & 12, whence I run,
S. $89^{\circ} 54'$ W., on a true line bet. secs. 2 & 11.
Over rolling land, through dense brush, and cacti.
20.00 Draw, 8 chs. 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, 1913
on S. rim; $\frac{1}{4}$ S 2 in N., and
S 11 in S. half; from which,
A paloverde tree 8 ins. diam. brs. N. $68\frac{1}{2}^{\circ}$ E. 173 lks. dist.,
marked $\frac{1}{4}$ S 2 B T.
A paloverde tree 8 ins. diam. brs. S. $25\frac{1}{2}^{\circ}$ W. 115 lks. dist.,
marked $\frac{1}{4}$ S 11 B T.
64.00 Draw, 10 chs. wide, course SE.
79.96 To cor. of secs. 2, 3, 10 & 11.
Land, rolling, broken.
Soil, 2nd & 3rd rate, sandy, gravelly, dry, loose.
Mesquite, paloverde, dense cacti, sparse grass.

8. Completion of Subdivision of T. 12 S., R. 13 E.

Chains.

- N. $0^{\circ} 1'$ W., bet. secs. 2 & 3.
Over rolling, broken land, through dense brush, cacti.
- 40.00 Set an iron post 3 ft. long, 1 ins. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, 1913 on S. rim; $\frac{1}{4}$ S 3 in W., and S 2 in E. half; from which,
A paloverde tree 18 ins. diam. brs. N. $69\frac{1}{4}^{\circ}$ E. 105 lks. dist., marked $\frac{1}{4}$ S 2 B T.
A paloverde tree 14 ins. diam. brs. N. 6° W. 91 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- 52.00 Old road, brs. NE. & SW.
- 73.10 Wash, 60 lks. wide, course SW.
- 77.11 Intersect S. bdy. of T. 11 S., R. 13 E., whence cor. of secs. 2, 3 34 & 35, on said line brs. East, 204 lks. dist., which is a granite stone 9x8x5 ins. above ground, marked and witnessed as described by the Surveyor General which cor., I change to refer to secs. 34 & 35 of T. 11 S., R. 13 E., only.
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 2 & 3, marked on brass cap, C C, S. of centre, 1913 on S rim;
T 11 S R 13 E, S 34, S 35, in N. half, S 2 in SE., and S 3 in SW. quad.; from which,
A paloverde tree 8 ins. diam. brs. S. 15° E. 83 lks. dist., marked T 12 S R 13 E S 2 C C B T.
A mesquite tree 10 ins. diam. brs. S. 72° W. 279 lks. dist., marked T 12 S R 13 E S 3 C C B T.
- Land, rolling, broken.
Soil, 3rd rate, sandy, gravelly, loose.
Mesquite, paloverde, dense cholla cacti, sparse grass.

July 17, 1913. W. H. E.

Completion of Subdivision of T. 12 S., R., 13 E.

Chains.

July 18, 1913. J. B. W.
 At 7h a.m., l.m.t., at the cor. of secs. 21, 22, 27 & 28, which is a quartzite stone 9x5x6 ins. above ground, marked and witnessed as described by the Surveyor General,
 I set off 21°06' N. on the decl. arc, and 32°22½' N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 N. 0° 2' W., bet. secs. 21 & 22.
 Over rolling, broken land, desc. grad. through dense heavy mesquite and paloverde, cacti.

12.00
 35.00
 36.00
 40.00
 60.20
 66.00
 80.00

Main wash of Canada del Oro, 3 chs. wide, course SW.
 Wire fence, brs. NE. & SW., leave dense growth.
 House of Matt Lockas brs. West, about 8 chs. dist.
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap 1913 on S. rim; ¼ S 21 in W., and
 S 22 in E. half; no trees in limits.
 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
 Wire fence, brs. NE. & SW., enter brush.
 Wash, 20 lks. wide, course SE.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 15, 16, 21 & 22, marked on brass cap, T 12 S R 13 E, in N. half, 1913 on S. rim;
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quad.; from which,
 A paloverde tree 8 ins. diam. brs. N. 23¼° E. 165 lks. dist., marked T 12 S R 13 E S 15 B T.
 A paloverde tree 10 ins. diam. brs. S. 39° E. 158 lks. dist., marked T 12 S R 13 E S 22 B T.
 A mesquite tree 8 ins. diam. brs. S. 43¾° W. 77 lks. dist., marked T 12 S R 13 E S 21 B T.
 A paloverde tree 10 ins. diam. brs. N. 11° W. 178 lks. dist., marked T 12 S R 13 E S 16 B T.
 Land, smooth, rolling.
 Soil, 2nd rate, sandy, loamy, gravelly, dry.
 Mesquite, paloverde, cacti, sparse grass.

40.00
 79.90
 17.00
 38.00
 39.95
 54.88
 79.90

N. 89°58' E., on a random line bet. secs. 15 & 22.
 Set temp. ¼ sec. cor.
 Intersect N. & S. line 14 lks. S. of cor. of secs. 14, 15, 22 & 23, established by W. H. Elliott, & hereinbefore described, whence I run,
 S. 89°52' W., on a true line bet. secs. 15 & 22.
 Over flat, through dense heavy mesquite and paloverde.
 Main wash of Canada del Oro, 3 chs. wide, course SW.
 Leave flat, asc. grad. along S. edge of mesa.
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 on S. rim; ¼ S 15 in N., and
 S 22 in S. half; from which,
 A paloverde tree 10 ins. diam. brs. N. 19° W. 62 lks. dist., marked ¼ S 15 B T.
 A paloverde tree 8 ins. diam. brs. S. 24½° E. 215 lks. dist., marked ¼ S 22 B T.
 Road, brs. NE. & SW.
 To cor. of secs. 15, 16, 21 & 22.
 Land, gently rolling, smooth, broken.
 Soil, 2nd & 3rd rate, sandy, loamy, gravelly, dry.
 Mesquite, paloverde, cacti, sparse grass.

10 Completion of Subdivision of T. 12 S., R. 13 E.

Chains.	
	N. 0° 2' W., bet. secs. 15 & 16. Over broken, rolling land, asc. grad., through dense brush and cacti.
24.00	Top of mesa, brs. NE. & SW., 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, 1913 on S-rim; $\frac{1}{4}$ S 16 in W., and S 15 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.
57.00	Wash, 150 lks. wide, course SW. Asc. grad.
64.00	Top of rise, thence on rolling mesa.
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, T 12 S R 13 E, in N. half, 1913 on S-rim; S 9 in NW., S 10 in NE., S 15 in SE., and S 16 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, gently rolling, broken. Soil, 3rd rate, sandy, gravelly, dry. Scattering mesquite, paloverde, dense cacti.
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40.00	N. 89° 52' E., on a random line bet. secs. 10 & 15. Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. & S. line 9 lks. N. of cor. of secs. 10, 11, 14 & 15, as established by W. H. Elliott, as hereinbefore described, whence I run, S. 89° 56' W., on a true line bet. secs. 10 & 15. Over broken mesa, through dense cacti.
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 1913 on S-rim; $\frac{1}{4}$ S 10 in N., and S 15 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.
64.00	Wash, 20 lks. wide, course SW.
79.96	To cor. of secs. 9, 10, 15 & 16. Land, rolling. Soil, 3rd rate, gravelly, dry. Scattering mesquite, paloverde, dense cholla cacti. At this cor., at noon, clouds obscure the sun, Impracticable to observe the lat. accurately.
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	N. 0° 2' W., bet. secs. 9 & 10. Over rolling land, through dense cacti.
34.00	Wash, 330 lks. wide, 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., marked on brass cap 1913 on S-rim; $\frac{1}{4}$ S 9 in W., and S 10 in E. half; from which, An ironwood tree 12 ins. diam. brs. N. $68\frac{3}{4}$ ° E. 44 lks. dist., marked $\frac{1}{4}$ S 10 B T. A paloverde tree 8 ins. diam. brs. N. $39\frac{1}{2}$ ° W. 68 lks. dist., marked $\frac{1}{4}$ S 9 B T.
54.00	Road, brs. NE. & SW.
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, T 12 S R 13 E, in N. half, 1913 on S-rim; S 4 in NW., S 3 in NE., S 10 in SE., and S 9 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, 3rd rate, sandy, loose, gravelly, dry. Sparse mesquite, paloverde, dense cholla cacti.

Chains.

N. 89°56' E., on a random line bet. secs. 3 & 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. & S. line 5 lks. N. of cor. of
 secs. 2,3,10 & 11, established by W.H.Elliott, and
 hereinbefore described, whence I run,
 S. 89°58' W., on a true line bet. secs. 3 & 10.
 Over rolling land, through dense cholla cacti.
 26.00 Wash, 30 lks. wide, course SW.
 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, 1913 on
 S.rim; $\frac{1}{4}$ S 3 in N., and
 S 10 in S. half; from which,
 A paloverde tree 10 ins.diam.brs.S.30 $\frac{3}{4}$ °E. 140 lks.dist.,
 marked $\frac{1}{4}$ S 10 B T.
 A paloverde tree 10 ins.diam.brs.N.57°W. 50 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 68.00 Road, brs. NE. & SW.
 80.06 To cor. of secs. 3,4,9 & 10.
 Land, gently rolling.
 Soil, 3rd rate, gravelly, sandy, loose. dry.
 Scattering mesquite ,paloverde, dense cacti.

N. 0° 2' W., bet. secs. 3 & 4.
 Over rolling land, through dense cacti and other 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, 1913
 on S.rim; $\frac{1}{4}$ S 4 in W., and
 S 3 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.
 77.23 Intersect S. bdy. of T. 11 S., R. 13 E., whence
 cor. of secs. 3,4,33 & 34, on said bdy. brs. East, 207
 lks. dist., which is a quartzite stone 9x7x6 ins. above
 ground, marked and witnessed as described by the
 Surveyor General. I change this cor. to refer to
 secs. 33 & 34, of T. 11 S., R. 13 E., only.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 3 & 4, marked on
 brass cap, C C, S. of centre, 1913 on S.rim;
 T 11 S R 13 E, S 33, S 34, in N. half,
 S 3 in SE., and
 S 4 in SW. quad.; from which,
 A mesquite tree 10 ins.diam.brs. S.53 $\frac{3}{4}$ °E. 50 lks. dist.,
 marked T 12 S R 13 E S 3 C C B T.
 A mesquite tree 10 ins.diam.brs. S.46 $\frac{1}{2}$ °W. 159 lks. dist.,
 marked T 12 S R 13 E S 4 C C B T.
 Land, rolling,
 Soil, 3rd rate, gravelly, dry, loose.
 Mesquite, paloverde, cacti, sparse grass.
 July 18, 1913. J. B. W.

12 Compl't'n Subdivision of T. 12 S., R. 13 E.

Chains.

- July 18, 1913. W. H. E.
 At 8h a.m. l.m.t., at the cor. of secs. 20, 21, 28 & 29,
 which is a quartzite stone 7x6x5 ins. above ground,
 marked and witnessed as described by the Surveyor
 General,
 I set off 21°05' N. on the decl. arc, and 32°22½' N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. 0° 2' W., bet. secs. 20 & 21.
 Over rolling land, through dense undergrowth, asc. grad.
 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, 1913
 on S rim; ¼ S 20 in W., and
 S 21 in E. half; from which,
 A mesquite tree 8 ins. diam. brs. N. 38½° W. 89 lks. dist.,
 marked ¼ S 20 B T.
 No other 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.
 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, T 12 S R 13 E, in N. half, 1913 on S rim;
 S 17 in NW.,
 S 16 in NE.,
 S 21 in SE., and
 S 20 in SW. quad.; from which,
 A catclaw tree 8 ins. diam. brs. N. 37¾° E. 146 lks. dist.,
 marked T 12 S R 13 E S 16 B T.
 A paloverde tree 8 ins. diam. brs. S. 36¼° E. 286 lks. dist.,
 marked T 12 S R 13 E S 21 B T.
 A paloverde tree 6 ins. diam. brs. S. 26¾° W. 191 lks. dist.,
 marked T 12 S R 13 E S 20 B T.
 A paloverde tree 8 ins. diam. brs. N. 24½° W. 132 lks. dist.,
 marked T 12 S R 13 E S 17 B T.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, paloverde, greasewood, cacti, sparse grass.
-
- N. 89°57' E., on a random line bet. secs. 16 & 21.
 40.00 Set temp. ¼ sec. cor.
 79.82 Intersect N. & S. line 23 lks. N. of cor. of
 secs. 15, 16, 21 & 22, as established by J. B. Wright, and
 hereinbefore described, whence I run,
 N. 89°53' W., on a true line bet. secs. 16 & 21.
 Over rolling land, through dense undergrowth, asc. grad.
 20.00 Asc.
 34.00 Top of mesa, brs. NE. & SW., thence on rolling mesa.
 39.91 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap, 1913
 on S rim; ¼ S 16 in N., and
 S 21 in S. half;
 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.
 43.30 Old road, brs. NNW. & SSE., in wash 30 lks. wide, course SSE.
 79.82 To cor. of secs. 16, 17, 20 & 21.
 Land, rolling.
 Soil, 2nd & 3rd rate, sandy, gravelly, loose.
 Mesquite, paloverde, greasewood, cacti, sparse grass.
 At this cor., at noon, clouds obscure the sun.
 Impracticable to observe the lat. accurately.

Subdivision of T. 12 S., R. 13 E.

Chains.

N. 0° 2' W., bet. secs. 16 & 17.
 Over rolling land, through dense undergrowth.
 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, 1913 on S-rim; $\frac{1}{4}$ S 17 in W., and S 16 in E. half; from which,
 A paloverde tree 6 ins. diam. brs. S. 26° E. 90 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A mesquite tree 6 ins. diam. brs. N. 21 $\frac{3}{4}$ ° W. 15 lks. dist., marked $\frac{1}{4}$ S 17 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, T 12 S R 13 E, in N. half, 1913 on S-rim; S 8 in NW., S 9 in NE., S 16 in SE., and S 17 in SW. quad.; from which,
 An ironwood tree 6 ins. diam. brs. N. 75° E. 56 lks. dist., marked T 12 S R 13 E S 9 B T.
 An ironwood tree 8 ins. diam. brs. S. 51 $\frac{1}{2}$ ° E. 235 lks. dist., marked T 12 S R 13 E S 16 B T.
 An ironwood tree 12 ins. diam. brs. S. 61 $\frac{1}{2}$ ° W. 44 lks. dist., marked T 12 S R 13 E S 17 B T.
 An ironwood tree 10 ins. diam. brs. N. 78 $\frac{1}{2}$ ° W. 121 lks. dist., marked T 12 S R 13 E S 8 B T.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, ironwood, catclaw, cacti, sparse grass.

S. 89° 53' E., on a random line bet. secs. 9 & 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. & S. line 7 lks. S. of cor. of secs. 9, 10, 15 & 16, as established by J. B. Wright, and hereinbefore described, whence I run,
 N. 89° 56' W., on a true line bet. secs. 9 & 16.
 Over rolling land, through dense undergrowth.
 20.00 Wash, 4 chs. wide, course SW.
 24.00 Road, brs. N. & S.
 39.90 Cor. point falls in wash, 20 lks. wide, course SSW.
 40.15 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 $\frac{1}{4}$ E. of centre, 1913 on S-rim; S 9 in NW., and S 16 in SW. 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.
 79.80 To cor. of secs. 8, 9, 16 & 17.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, greasewood, paloverde, cacti, sparse grass.
 July 18, 1913. W.H.E.

July 19, 1913. J. B. W.
 At 8h a.m., l.m.t., at the cor. of secs. 8, 9, 16 & 17, as established by W. H. Elliott, and heretofore described, I set off 20° 54 $\frac{1}{2}$ ' N. on the decl. arc, and 32° 24' N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 N. 0° 2' W., bet. secs. 8 & 9.
 Over rolling land, through dense undergrowth, cacti.
 27.35 Road, brs. NNE. & SSW.
 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, 1913 on S-rim; $\frac{1}{4}$ S 8 in W., and S 9 in E. half; from which,
 A paloverde tree 4 ins. diam. brs. S. 21 $\frac{1}{2}$ ° E. 71 lks. dist., marked $\frac{1}{4}$ S 9 B T.
 A mesquite tree 8 ins. diam. brs. N. 5° W. 77 lks. dist., marked $\frac{1}{4}$ S 8 B T.
 53.20 Draw, 50 lks. wide, course SW.

14 Completion of Subdivision of T. 12 S., R. 13 E.

Chains.	
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 8 & 9, marked on brass cap, T 12 S R 13 E, in N. half, 1913 on S. rim; S 5 in NW., S 4 in NE., S 9 in SE., and S 8 in SW. quad.; from which, An ironwood tree 12 ins. diam. brs. N. $80\frac{1}{2}^{\circ}$ E. 35 lks. dist., marked T 12 S R 13 E S 4 B T. A mesquite tree 6 ins. diam. brs. S. $1\frac{3}{4}^{\circ}$ E. 153 lks. dist., marked T 12 S R 13 E S 9 B T. A mesquite tree 6 ins. diam. brs. S. $30\frac{1}{2}^{\circ}$ W. 78 lks. dist., marked T 12 S R 13 E S 8 B T. A mesquite tree 8 ins. diam. brs. N. 34° W. 107 lks. dist., marked T 12 S R 13 E S 5 B T. Land, rolling. Soil, 3rd rate, sandy, gravelly, dry. Mesquite, paloverde, cacti, sparse grass.
40.00	S. $89^{\circ}56'$ E., on a random line bet. secs. 4 & 9.
79.82	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. & S. line 5 lks. N. of cor. of secs. 3, 4, 9 & 10, whence I run, N. $89^{\circ}54'$ W., on a true line bet. secs. 4 & 9. Over rolling land, through dense undergrowth.
11.00	Wash, 20 lks. wide, course SW.
38.00	Wash, 50 lks. wide, course SW.
39.91	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, 1913 on S. rim; $\frac{1}{4}$ S 4 in N., and S 9 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.
55.00	Old road, brs. NNE. & SSW.
79.82	To cor. of secs. 4, 5, 8 & 9. Land, rolling. Soil, 2nd & 3rd rate, sandy loamy, gravelly, dry. Mesquite, paloverde, cacti, sparse grass. At this cor., at noon, I set off $20^{\circ}52\frac{1}{2}'$ N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $32^{\circ}25'$ N.
16.50	N. $0^{\circ}2'$ W., bet. secs. 4 & 5. Over rolling land, through dense undergrowth.
36.10	Drain, 5 lks. wide, course SW.
40.00	Road, brs. NE. & SW. 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, 1913 on S. rim; $\frac{1}{4}$ S 5 in W., and S 4 in E. half; from which, A paloverde tree 8 ins. diam. brs. S. 34° E. 100 lks. dist., marked $\frac{1}{4}$ S 4 B T. A paloverde tree 10 ins. diam. brs. S. 44° W. 111 lks. dist., marked $\frac{1}{4}$ S 5 B T.
68.90	Road, brs. NE. & SW.
76.90	Intersect S. bdy. of T. 11 S., R. 13 E., whence cor. of secs. 4, 5, 32 & 33, brs. East, 180 lks. dist., which is a granite stone 7x5x5 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to secs. 32 & 33 of T. 11 S., R. 13 E., only, by destroying the SE. & SW. bearing trees. Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 4 & 5, marked on brass cap. C C, S. of centre, 1913 on S. rim; T 11 S R 13 E, S 32, S 33, in N. half, S 4 in SE., and S 5 in SW. quad.; from which, A catclaw tree 4 ins. diam. brs. S. $59\frac{1}{2}^{\circ}$ E. 50 lks. dist., marked T 12 S R 13 E S 4 C C B T. A mesquite tree 10 ins. diam. brs. S. $41\frac{1}{2}^{\circ}$ W. 159 lks. dist., marked T 12 S R 13 E S 5 C C B T. Land, rolling. Soil, 3rd rate, gravelly, dry. Mesquite, catclaw, cacti, fair grass.
	July 19, 1913. J. B. W.

Completion of Subdivision of T. 12 S., R. 13 E.

Chains.

July 19, 1913. W. H. E.
 At 8h a.m., l.m.t., at the cor. of secs. 19, 20, 29 & 30, which is a granite stone 8x5x4 ins. above ground, marked and witnessed as described by the Surveyor General,
 I set off 20°54½' N. on the decl. arc, and 32°22½' N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 N. 0° 3' W., bet. secs. 19 & 20.
 Over rolling land, through dense brush.
 12.00 Wash, 2 chs. wide, course NW.
 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, 1913 on S.rim; ¼ S 19 in W., and
 S 20 in E. half, from which,
 A catclaw tree 10 ins.diam.brs. N.57½°W.120 lks. dist., marked ¼ S 19 B T.
 A paloverde tree 8 ins.diam.brs.S.42½°E. 67 lks. dist., marked ¼ 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. 17,18,19 & 20, marked on brass cap, T 12 S R 13 E, in N. half, 1913 on S.rim;
 S 18 in NW.,
 S 17 in NE.,
 S 20 in SE., and
 S 19 in SW. quad.; no bearings available.
 dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W.of cor.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, paloverde, cacti, fair grass.

East, on a random line bet. secs. 17 & 20.
 40.00 Set temp. ¼ sec. cor.
 79.84 Intersect N. & S. line at 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.
 30.00 Wash, 20 lks. wide, course SW.
 39.60 Old road, brs. N. & S.
 39.92 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, 1913 on S.rim; ¼ S 17 in N., and
 S 20 in S. half; from which,
 A catclaw tree 10 ins.diam.brs. N.42½°E. 103 lks.dist., marked ¼ S 17 B T.
 A paloverde tree 8 ins.diam.brs.S.32½°W. 194 lks.dist., marked ¼ S 20 B T.
 79.84 To cor. of secs. 17,18,19 & 20.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Paloverde, catclaw, cacti, greasewood, fair grass.
 At this cor., at noon, I set off 20°52½' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 32°23' N.

16 Completion of Subdivision of T. 12 S., R. 13 E.

Chains.

West, bet. secs. 18 & 19.
Over rolling land, through dense brush.

4.92 Road, brs. N. & S.
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, 1913 on S-rim; $\frac{1}{4}$ S 18 in N., and S 19 in S. half; from which,
A paloverde tree 10 ins. diam. brs. S. 65° E. 176 lks. dist., marked $\frac{1}{4}$ S 19 B T.
A mesquite tree 15 ins. diam. brs. N. $4\frac{1}{2}^{\circ}$ W. 36 lks. dist., marked $\frac{1}{4}$ S 18 B T.

52.00 Wash, 20 lks. wide, course SW.
76.38 Intersect E. bdy. of T. 12 S., R. 12 E., whence, cor. of secs. 13, 18, 19 & 24 on said bdy. brs. North, 135 lks. dist., which is a volcanic stone 10x8x4 ins. above ground, marked and witnessed as described by the Surveyor General, which cor. I change to refer to secs. 13 & 24 of T. 12 S., R. 12 E., only, by destroying the markings of NE. & SE. bearing trees.
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 18 & 19, marked on brass cap, C C, W. of centre, 1913 on S-rim;
T 12 S in N., and
S 13, S 24, R 12 E, in W. half,
R 13 E S 18 in NE., and
S 19 in SE. quad.; from which,
A catclaw tree 8 ins. diam. brs. N. $21\frac{3}{4}^{\circ}$ E. 111 lks. dist., marked T 12 S R 13 E S 18 C C B T.
A catclaw tree 8 ins. diam. brs. S. $9\frac{1}{2}^{\circ}$ E. 26 lks. dist., marked T 12 S R 13 E S 19 C C B T.

Land, rolling.
Soil, 3rd rate, gravelly, dry.
Mesquite, catclaw, paloverde, greasewood, cacti, sparse grass.
Stormy after 2h p.m., this date. July 19, 1913. W. H. E.

July 21, 1913. J. B. W.
At 8h a.m., l.m.t., at the cor. of secs. 17, 18, 19 & 20, I set off $20^{\circ}32'$ N. on the decl. arc, and $32^{\circ}23\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,
N. $0^{\circ}3'$ W., bet. secs. 17 & 18.
Over rolling land, through dense brush.

39.90 As point for $\frac{1}{4}$ sec. cor. will fall in wash, at
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 $\frac{1}{4}$ N. of centre, 1913 in S-rim;
S 17 in SE., and
S 18 in SW. quad.; from which,
A paloverde tree 8 ins. diam. brs. S. $82\frac{3}{4}^{\circ}$ E. 23 lks. dist., marked W C $\frac{1}{4}$ S 17 B T.
A paloverde tree 8 ins. diam. brs. N. 2° W. 59 lks. dist., marked W C $\frac{1}{4}$ S 18 B T.

40.00 Wash, 10 lks. wide, course ESE, point for $\frac{1}{4}$ sec. cor.
50.00 Wash, 10 lks. wide, course ENE.
55.00 Wash, 50 lks. wide, course ENE.
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, T 12 S R 13 E, in N. half, 1913 in S-rim;
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 18 in SW. quad.; from which,
An ironwood tree 8 ins. diam. brs. N. 48° E. 79 lks. dist., marked T 12 S R 13 E S 8 B T.
An ironwood tree 10 ins. diam. brs. S. 25° E. 121 lks. dist., marked T 12 S R 13 E S 17 B T.
A paloverde tree 6 ins. diam. brs. S. $30\frac{1}{2}^{\circ}$ W. 132 lks. dist., marked T 12 S R 13 E S 18 B T.
An ironwood tree 5 ins. diam. brs. N. $25\frac{1}{2}^{\circ}$ W. 60 lks. dist., marked T 12 S R 13 E S 7 B T.

Land, rolling. Soil, 3rd rate, gravelly. Ironwood, mesquite.

Chains.

East, on a random line bet. secs. 8 & 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. & S. line 5 lks. N. of cor. of
 secs. 8, 9, 16 & 17, hereinbefore described, whence I
 run,
 N. $89^{\circ}58'$ W., on a true line bet. secs. 8 & 17.
 Over rolling land, through dense brush.
 10.10 Road, brs. NNE. & SSW.
 21.00 Road, brs. N. & S.
 27.30 Wash, 20 lks. wide, course SSW.
 39.95 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, 1913
 on S. rim; $\frac{1}{4}$ S 8 in N., and
 S 17 in S. half; from which,
 A paloverde tree 12 ins. diam. brs. N. $63\frac{1}{4}^{\circ}$ E. 93 lks. dist.,
 marked $\frac{1}{4}$ S 8 B T.
 An ironwood tree 6 ins. diam. brs. S. 43° W. 91 lks. dist.,
 marked $\frac{1}{4}$ S 17 B T.
 79.90 To cor. of secs. 7, 8, 17 & 18.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, dry.
 Mesquite, ironwood, paloverde, cacti, fair grass.
 At this cor., at noon, I set off $20^{\circ}30'$ N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $32^{\circ}24'$ N.

West, bet. secs. 7 & 18.
 Over rolling land, through dense brush.
 18.05 Road, brs. N. & S.
 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, 1913
 on S. rim; $\frac{1}{4}$ S 7 in N., and
 S 18 in S. half; from which,
 A paloverde tree 6 ins. diam. brs. N. 7° E. 65 lks. dist.,
 marked $\frac{1}{4}$ S 7 B T.
 A paloverde tree 6 ins. diam. brs. S. 2° W. 102 lks. dist.,
 marked $\frac{1}{4}$ S 18 B T.
 52.47 Wash, 15 lks. wide, course S.
 59.10 Wash, 15 lks. wide, course S.
 76.48 Intersect E. bdy. of T. 12 S., R. 12 E., whence
 cor. of secs. 7, 12, 13 & 18 on said bdy. brs. North, 130
 lks. dist., which is a sandstone 12x10x4 ins. above
 ground, marked and witnessed as described by the
 Surveyor General, which cor. I change to refer to
 secs. 12 & 13 of T. 12 S. R. 12 E., only, by destroying
 the NE. & SE. bearing trees.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 7 & 18, marked on
 brass cap, C C, W. of centre, 1913 on S. rim;
 T 12 S in N., and
 S 12, S 13, R 12 E, in W. half,
 R 13 E S 7 in NE., and
 S 18 in SE. quad.; no trees suitable for
 bearing trees in limits.
 Dig pits 24x18x12 ins. N. & S. of cor. 3 ft., and E. of
 cor. 7 ft. dist., and
 raise a mound of earth 4 ft. base 2 ft. high E. of cor.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, paloverde, ironwood, catclaw, cacti, greasewood,
 fair grass. J. B. W.

July 21, 1913.

18 Completion of Subdivision of T. 12 S., R. 13 E.

Chains.

July 21, 1913. W. H. E.
 At 9h a.m., l.m.t., at the cor. of secs. 7, 8, 17 & 18, as
 hereinbefore described,
 I set off 20°31½' N. on the decl. arc, and 32°24' N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. 0° 3' W., bet. secs. 7 & 8.
 Over rolling land, through deense undergrowth.
 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, 1913
 on S. rim; ¼ S 7 in W., and
 S 8 in E. half; from which,
 An ironwood tree 5 ins. diam. brs. S. 22° E. 98 lks. dist.,
 marked ¼ S 8 B T.
 An ironwood tree 6 ins. diam. brs. S. 17½° W. 29 lks. dist.,
 marked ¼ S 7 B T.
 43.75 Wash, 20 lks. wide, course SSW.
 74.60 Wash, 20 lks. wide, course SW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 5, 6, 7 & 8, marked on
 brass cap, T 12 S R 13 E, in N. half, 1913 on S. rim;
 S 6 in NW.,
 S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quad.; from which,
 An ironwood tree 8 ins. diam. brs. N. 40° E. 132 lks. dist.,
 marked T 12 S R 13 E S 5 B T.
 A mesquite tree 7 ins. diam. brs. S. 16° E. 242 lks. dist.,
 marked T 12 S R 13 E S 8 B T.
 A mesquite tree 5 ins. diam. brs. S. 13½° W. 224 lks. dist.,
 marked T 12 S R 13 E S 7 B T.
 A mesquite tree 6 ins. diam. brs. N. 15½° W. 85 lks. dist.,
 marked T 12 S R 13 E S 6 B T.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, loose, dry.
 Mesquite, ironwood, cacti, paloverde, fair grass.

40.00 S. 89°58' E., on a random line bet. secs. 5 & 8.
 Set temp. ¼ sec. cor.
 80.00 Intersect N. & S. line 7 lks. S. of cor. of
 secs. 4, 5, 8 & 9, whence I run,
 S. 89°59' W., on a true line bet. secs. 5 & 8.
 Over rolling land, through dense brush.
 14.30 Wash, 20 lks. wide, course S.
 21.75 Road, brs. NNW. & SSE.
 31.00 Wash, 20 lks. wide, course SSE.
 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, 1913
 in S. rim; ¼ S 5 in N., and
 S 8 in S. half; from which,
 A mesquite tree 8 ins. diam. brs. N. 43° E. 67 lks. dist.,
 marked ¼ S 5 B T.
 An ironwood tree 6 ins. diam. brs. S. 2° E. 133 lks. dist.,
 marked ¼ S 8 B T.
 80.00 To cor. of secs. 5, 6, 7 & 8.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, dry.
 Mesquite, ironwood, paloverde, greasewood, cacti, fair
 grass.
 At this cor., at noon, I set off 20°30' N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 32°25' N. W. H. E.

July 21, 1913.

Completion of Subdivision of T. 12 S., R. 13 E.

Chains.

July 21, 1913. J. B. W.
 West, bet. secs. 6 & 7.
 Over rolling land, through dense brush.
 17.90 Wash, 20 lks. wide, course SW.
 33.90 Road, brs. N. & S.
 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, 1913
 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.
 54.40 Wash, 20 lks. wide, course SW.
 66.85 Wash, 25 lks. wide, course WSW.
 76.49 Intersect E. bdy. of T. 12 S., R. 12 E., whence
 cor. of secs. 1, 6, 7 & 12, on said bdy. brs. North, 140
 lks. dist., which is a sandstone 8x6x5 ins. above
 ground, marked and witnessed as described by the
 Surveyor General, which cor. I change to refer to
 secs. 1 & 12 of T. 12 S., R. 12 E., only by destroying
 the SE. & NE. bearing trees.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 6 & 7, marked on
 brass cap, C C, W. of centre, 1913 on S.rim;
 T 12 S in N., and
 S 1, S 12, R 12 E, in W. half,
 R 13 E S 6 in NE., and
 S 7 in SE. quad.; from which,
 An ironwood tree 4 ins. diam. brs. N. 51° E. 130 lks. dist.,
 marked T 12 S R 13 E S 6 C C B T.
 An ironwood tree 5 ins. diam. brs. S. 66° E. 109 lks. dist.,
 marked T 12 S R 13 E S 7 C C B T.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Mesquite, ironwood, paloverde, greasewood, fair grass.
 J. B. W.,

W. H. E.

N. 0° 3' W., bet. secs. 5 & 6.
 Over rolling land, through dense brush.
 27.25 Wash, 30 lks. wide, 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., marked on brass cap, 1913 on
 S.rim; $\frac{1}{4}$ S 6 in W., and
 S 5 in E. half; from which,
 A mesquite tree 8 ins. diam. brs. S. 11 $\frac{1}{2}$ ° E. 20 lks. dist.,
 marked $\frac{1}{4}$ S 5 B T.
 An ironwood tree 6 ins. diam. brs. N. 10 $\frac{1}{2}$ ° W. 139 lks. dist.,
 marked $\frac{1}{4}$ S 6 B T.
 56.75 Wash, 20 lks. wide, course WSW.
 64.25 Wash, 30 lks. wide, course SW.
 76.64 Intersect S. bdy. of T. 11 S., R. 13 E., whence ,
 Cor. of secs. 5, 6, 31 & 32, on said bdy. brs.
 East, 193 lks. dist., which is a granite stone 9x8x5
 ins. above ground, marked and witnessed as described
 by the Surveyor General, which cor. I change to refer
 to secs. 31 & 32 of T. 11 S., R. 13 E., only.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 5 & 6, marked on
 brass cap, C C, S. of centre, 1913 on S.rim;
 T 11 S R 13 E, S 31, S 32, in N. half,
 S 5 in SE., and
 S 6 in SW. quad.; no bearings available.
 Dig pits 24x18x12 ins., crosswise on each line,
 E. & W. 3 ft., and S. of cor. 7 ft. dist., and
 raise a mound of earth 4 ft. base 2 ft. high S. of cor.
 Land, rolling.
 Soil, 3rd rate, gravelly, loose, dry.
 Mesquite, paloverde, ironwood, cacti, greasewood,

General Description.

T. 12 S., R. 13 E., is in general rolling or broken, covered with mesquite, paloverde, ironwood, catclaw, greasewood, and cacti, dense and heavy in places in the valleys of the draws. In the NE. portion are large areas of land covered with the cholla cactus, so dense as to be almost impenetrable.

There is no timber of any value in the Tp., nor any living water in the portion surveyed at this time.

Matt Lockas, in sec. 21 has house, well, corrals and other improvements, being the only settler noted. Water is found at a depth of about 130 ft. in the valley of Canada del Oro wash, along which is considerable tillable, fertile land.

The Canada del Oro drains a great area of land, and at flood times much water comes down it from the mountains above, carrying but little sediment.

It is probable that reservoir sites could be located and water stored for irrigation at points in this wash, or canyon.

Note: For traverse table of the portion of this Tp., which we subdivided, see page Book "C."

July 21, 1913.

Jesse B. Wright
William B. Elliott

U. S. Surveyors.

BOOK For 2740

FOR FINAL OATHS OF UNITED STATES SURVEYORS.
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, Arizona, DECEMBER 30, 1914

The foregoing field notes of the survey of _____ the completion of _____ Subdivision of Township 12 South, Range 13 East, of the Gila and Salt River Base and Meridian, Arizona,

executed by Jesse B. Wright, and William H. Elliott, U.S. Surveyors, under ~~his~~ special instructions dated May 28, 1913, for Group 30, _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Galloway
Surveyor General.

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