

2898

Book "H"
4-678

BOOK 2898

1915-1917

27

(Subdivisions)

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

OF

TOWNSHIP 10 SOUTH, RANGE 7 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn, U.S. Surveyor,

and

W. K. Kierulff, U.S. Transitman,

~~In the capacity of U.S. Surveyor~~, under instructions dated July 29, 1914,
issued by the United States Surveyor General to govern surveys included in
Group No. 38, which were approved by the Commissioner of the General Land
Office, September 5, 1914.

Survey commenced February 2, 1915.

Survey completed February 12, 1915.

Executed under assignment
Instructions dated Sept. 30, 1914.

2898

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Subdivision of Township 10 South Range 7 East 1B

Survey of Subdivision lines described in the following field notes was executed by W.H.Thorn,U.S.Surveyor, and W.K.Kierulff,U.S.Transitman,their initials"W.H.T" and "W.K.K." being inserted at the beginning and ending of those portions of the notes describing their respective surveys.

W.H.T. Survey commenced Feb.2,1915, and executed with a Young & Son's light mountain transit No.8592, described in Book "A."

From recent tests, I know the transit and solar attachment to be in satisfactory adjustment.

At 9h. a.m., l.m.t., I set off 32° 30' N.on the lat.arc; 16° 57' S.on the decl.arc; and determine a meridian with the solar at the standard cor.of secs.31 and 32 on S. bdy. of Tp. (2nd.Std. Parallel S.) reestablished by me, and described in Book "A."

Thence I run, N.0° 1'E., bet. secs.31 and 32.

Over rocky west slope.

8.00 Ascend SW. slope.

16.60 Top of small spur, brs.SE. and NW.

Descend N. slope.

35.00 Foot of mountains; enter rolling land.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1/4 sec.cor., with brass cap,marked 1/4 S 31 on W., and S 32 on E half; 1915 on S.rim.

No trees within limits.

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

53.80 Wash, 20 lks.wide, 1 ft. deep, course N.45° E.

77.30 Road, brs.S.40°E.,and N.40°W.

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 12 ins. in the ground (could not set deeper on account of solid rock), in a mound of earth and stone 3 ft.base,2 ft. high, for cor.of secs. 29,30,31 and 32, with brass cap, marked

T 10 S R 7 E on N.half; S 29 in NE., S 32 in SE., S 31 in SW., and S 30 in NW.quadrants; 1915 on S.rim; from which,

A palo verde, 5 ins. in diam., brs.N.5°E.,108 lks.dist.,marked T 10 S R 7 E S 29 B T.

A palo verde, 4 ins.in diam., brs.S.2°E.,76 lks.dist.,marked T 10 S R 7 E S 32 B T.

A palo verde, 5 ins. in diam., brs.S 80°W.,79 lks.dist., marked T 10 S R 7 E S 31 B T.

A palo verde, 4 ins. in diam., brs.N.73°W.,64 lks.dist., marked T 10 S R 7 E S 30 B T.

Land, mountainous.

Soil, stony, gravelly and sandy, 3rd and 4th rate.

Timber, palo verde.

Undergrowth, greasewood and cacti.

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

40.00 Set temp. 1/4 sec.cor.

80.00 Intersect W. bdy.of Tp. at cor.of secs. 25,30,31 and 36, established by W.K.Kierulff,U.S.Tranditman,and described in Book "B."

Thence I run,

East, on a true line, bet. secs.30 and 31.

Over rolling and hilly land.

19.00 Wash, 15 lks.wide, 1 ft. deep, course N.60°W.

38.00 Wash,20 lks.wide, 6 ins.deep, course N.50°W.

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

2 Subdivision of Township 10 South Range 7 East

Chains	
	<p>ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 30 on N., and S 31 on S. half; 1915 on S. rim.</p> <p>No trees within limits. Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth and stone N. of cor.</p> <p>Ascend SW. slope, 250 ft. to 51.65 Top of stony, granite hill. Descend over broken S. and SE. slope.</p> <p>60.50 Change to NE. slope. 65.50 Over rolling land. 66.20 Wash, 20 lks. wide, 1 ft. deep, course N. 77.90 Road, brs. S. 40° E. and N. 40° W. 80.00 Cor. of secs. 29, 30, 31 and 32. Land, hilly and rolling. Soil, stony and sandy; 3rd and 4th rate. Timber, scattering palo verde. Undergrowth, greasewood and cacti. At this cor., I set off 16° 56' S. on the decl. arc; and at apparent noon, observe the sun on the meridian. The resulting latitude is 32° 31' N.</p> <hr/> <p>N 0° 1' E., bet. secs. 29 and 30. Over rolling land. 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 30 on W., and S 29 on E. half; 1915 on S. rim. No trees within limits. Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. 51.40 Wash, 10 lks. wide, 1 ft. deep, course N. 40° W. Note: A granite hill about 30 chs. in diam., 450 ft. high is located in the SW. portion of the NE. $\frac{1}{4}$ of sec. 30. 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 19, 20, 29, and 30, with brass cap, marked T 10 S R 7 E on N. half; S 20 in NE., S 29 in SE., S 30 in SW., and S 19 in NW. quadrants; 1915 on S. rim; from which, An ironwood, 10 ins. in diam., brs. N. 11° E., 92 lks. dist., marked T 10 S R 7 E S 20 B T. An ironwood, 10 ins. in diam., brs. S. 66$\frac{1}{2}$° E., 115 lks. dist., marked T 10 S R 7 E S 29 B T. No other trees within limits. 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 and rolling. Soil, sand and decomposed granite, 2nd rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush and cacti.</p> <hr/> <p>West, on a random line, bet. secs. 19 and 30. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 80.05 Intersect W. bdy. of Tp., 3 lks. S. of cor. of secs. 19, 24, 25, and 30, established by W. K. Kierulff, U. S. Transitman, and described in Book "B." Thence I run, S. 89° 59' E., on a true line, bet. secs. 19 and 30. Over level land. 40.02$\frac{1}{2}$ Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 19 on N., and S 30 on S. half; 1915 on S. rim. No trees within limits; dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $4\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.</p>

Subdivision of T.10 S., R.7 E.

Chains.

80.05 Cor. of secs. 19, 20, 29 and 30.
 Land, level.
 Soil, sand and decomposed granite, 2nd rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood and cacti.
 Feb. 2, 1915.

Feb. 3, 1915, at the cor. of secs. 19, 20, 29 and 30, I
 set off 16° 38' S. on the decl. arc and at apparent noon
 observe the sun on the mer. The resulting lat. is
 32° 32' N.

Thence I run
 N. 0° 1' E. bet. secs. 19 and 20.
 Over level land.

22.30 Wash, 20 lks. wide, 1 ft. deep, course N. 20° W.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 2 6 ins. in the
 ground for ¼ sec. cor. with brass cap, marked
 ¼ S 19 on W. and
 S 20 on E. half,
 1915 on S. rim.

Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist.
 and raise a mound of earth 3½ ft. base 1½ ft. high
 W. of cor.

43.80 Wash, 15 lks. wide, 1 ft. deep, course, N. 20° W.
 58.05 Wash, 15 lks. wide, 6 ins. deep course, N. 20° W.
 76.00 Foot of rocky hill, about 22 chs. in diam., 280 ft. high
 Ascend SW. slope.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 18 ins. in the
 ground (could not set deeper on account of solid rock)
 in a mound of stone 3 ft. base 1 ft. high, for cor.
 of secs. 17, 18, 19 and 20, with brass cap mkd.
 T 10 S R 7 E on N. half;
 S 17 in NE.
 S 20 in SE.
 S 19 in SW. and
 S 18 in NW. quadrants,
 1915 on S. rim.

Build a mound of stone 3 ft. base 2½ ft. high W. of cor.
 Land, level.
 Soil sandy loam, 2nd rate.
 No timber.
 Undergrowth, greasewood and sagebrush.

Weston arandom line bet. secs. 18 and 19.

40.00 Set temp. ¼ sec. cor.
 80.10 Intersect W. bdy. of tp. 5 lks. S. of cor. of secs.
 13, 18, 19 and 24, established by W.K. Kierulff,
 U.S. Transitman, and described in book "B."

Thence I run
 S. 89° 58' E. on a true line bet. secs. 18 and 19.
 Over level land.

40.05 Set an iron post 3 ft long, 1 in. in diam. 26 ins. in the
 ground for ¼ sec. cor. with brass cap mkd.
 ¼ S 18 on N. and
 S 19 on S. half,
 1915 on S. rim.

Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 ft. dist.
 and raise a mound of earth 3½ ft. base 1½ ft. high
 N. of cor.

59.80 Wash, 20 lks. wide, 1 ft. deep, course, N.
 75.40 Wash, 15 lks. wide, 6 ins. deep, course, N. Ascend.

80.10 Cor. of secs. 17, 18, 19 and 20.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood, sagebrush and mesquite.
 Feb. 3, 1915.

4.

Subdivision of T.10 S., R.7 E.

Chains

Feb. 4, 1915, at 9 h., a.m. l.m.t., I set off $32^{\circ} 33'$ N. on the lat. arc; $16^{\circ} 23'$ S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 17, 18, 19 and 20.

Thence I run
N. $0^{\circ} 1'$ E. bet. secs. 17 and 18.
Descend W. slope of hill.

16.00 Corral, brs. W. 7 chs. dist. Leave W. slope of hill, over level
30.00 Rocky hill, 12 chs. diam., 200 ft. high brs. E. about /land.
12 chs. dist.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mki.
 $\frac{1}{4}$ S 18 on W. and
S 17 on E. half,
1915 on S. rim.

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

45.00 Small, rocky hill, about 10 chs. in diam., 95 ft. high, brs. E. about 20 chs. dist.

61.40 Wash, 15 lks. wide, 1 ft. deep, course, N. 20° W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 8, 17 and 18, with brass cap mki.

T 10 S R 7 E on N. half;
S 8 in NE.
S 17 in SE.
S 18 in SW, and
W 7 in NW. quadrants,
1915 on S. rim.

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

Land, level.
Soil, sandy loam. 1st rate.
No timber.
Undergrowth, scattering mesquite brush.

West on a random line bet. secs. 7 and 18.

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

80.13 Intersect W. bdy of tp. at cor. of secs. 7, 12, 13 and 18. established, by W.K.K. and described in book "B.W."

Thence I run
East, on a true line bet. secs. 7 and 18.

Over level land.

17.00 Wash, 20 lks. wide, 1 ft. deep, course, N.

40.06 $\frac{1}{2}$ Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap marked
 $\frac{1}{4}$ S 7 on N. and
S 18 on S. half,
1915 on S. rim.

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

42.40 Wash, 20 lks. wide, 1 ft. deep, course N.

51.60 Wash, 20 lks. wide, 1 ft. deep, course, N. 10° W.

72.10 Wash, 15 lks wide, 6 ins. deep, course, N. 20° W.

80.13 Cor. of secs. 7, 8, 17 and 18.

Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, scattering mesquite brush.

At this cor. I set off $16^{\circ} 21'$ S. on the decl. arc; and at apparent noon observe the sun on the mer. The resulting lat. is $32^{\circ} 34'$ N.

Subdivision of Township 10 South, Range 7 East. 5.

Chains.

- N.0°1'E., bet. secs.7 and 8.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,
S 7' on W., and
S 8 on E. half;
1915 on S. rim.
- Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- At this cor. at 10h.30m., a.m., 1.m.t., I observe Polaris at western elongation, and lay off the azimuth, 1° 21' to the east. The meridian thus determined gives a bearing of my line as N.0° 1'E.
- 80.00 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 and 8, with brass cap, marked
T 10 S R 7 E on N. half;
S 5 in NE.,
S 8 in SE.,
S 7 in SW., and
S 6 in NW. quadrants;
1915 on S. rim.
- Dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, mesquite and sagebrush.
-
- West, on a random line, between secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Intersect W. bdy. of Tp. at cor. of secs. 1, 6, 7 and 12, established by W.K.K., and described in Book "B."
Thence I run,
East, on a true line, bet. secs. 6 and 7.
Over level bed of Santa Cruz Reservoir.
- 40.07 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 6 on N., and
S 7 on S. half;
1915 on S. rim.
- Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 65.00 High water mark of Santa Cruz Reservoir, brs. NE. and SW.
- 80.14 Cor. of secs. 5, 6, 7 and 8.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, scattering mesquite and sagebrush.
-
- N.0° 1' E., on a true line, bet. secs. 5 and 6.
Over level land.
- 10.00 High water mark, of Santa Cruz Reservoir, brs. SE. and NE.
Thence over bed of reservoir.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 6 on W., and
S 5 on E. half;
1915 on S. rim.
- Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 46.23 Original cor. of Ts. 9 and 10 S. Ts. 6 and 7 E., brs. E. 217 lks. dist., which is a mesquite post, 3 ft. long, 4 ins. square, lying on the ground with no visible signs of any pits.

6. Subdivision of Township 10 South, Range 7 East.

Chains.

Marks on post almost obliterated.

For establishment of this cor. as cor. of T.9 S., R.7 E., see notes of the resurvey of the S. bdy. of T.9 S., R.7 E. in Book "B."

69.70 Wash, 25 lks. wide, 3 ft. deep, course W.

80.00 Intersect S. bdy. of T.9 S., R.6 E., 217 lks. W. of cor. of T.9 S., R.6 E. (SE. cor.) established by me this day, as described in Book "B."

At point of intersection, I

Set an iron post 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap, marked

C C S. of center,
 S 5 in SE., and
 S 6 in SW. quadrants;
 T 10 S R 7 E on S. half;
 1915 on S. rim.

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

Land, level. North 70 chs. in bed of Santa Cruz Reservoir. Soil, adobe, 1st rate.

No timber.

Undergrowth, scattering sagebrush.

Feb. 4, 1915.

Feb. 3, 1915: At 9h. a.m., l.m.t., I set off $32^{\circ} 30\frac{1}{2}'$ N. on the lat. arc; $16^{\circ} 40'$ S. on the decl. arc, and determine a meridian with the solar, at the standard cor. of secs. 32 and 33 on S. bdy. of Tp. (2nd. Standard Parallel S.) reestablished by me, and described in Book "A."

Thence I run,

N. $0^{\circ} 1'$ E., bet. secs. 32 and 33.

Descend gradual NE. slope.

7.30 Wash, 20 lks. wide, 1 ft. deep, course N. 30° E.10.80 Road brs. S. 60° E. and N. 60° W.15.60 Wash, 20 lks. wide, 1 ft. deep, course N. 30° E.40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ S 32 on W., and
 S 33 on E. half;
 1915 on S. rim;

dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.55.00 Wash, 15 lks. wide, 1 ft. deep, course N. 40° E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, with brass cap, marked

T 10 S R 7 E on E. half;
 S 28 in NE.,
 S 33 in SE.,
 S 32 in SW., and
 S 29 in NW. quadrants;
 1915 on S. rim.

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

Land, nearly level.

Soil, sand and gravel, and decomposed granite, 2nd rate.

Timber, scattering palo verde.

Undergrowth, greasewood and sage brush, and cacti.

West, on a random line, bet. secs. 29 and 32.

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

80.03 Intersect N. and S. line, 1 lk. N. of cor. of secs. 29, 30, 31, and 32.

Thence I run,

East, on a true line, bet. secs. 29 and 32.

Over level land, through greasewood brush.

12.30 Wash, 12 lks. wide, 1 ft. deep, course N.

Subdivision of Township 10 South, Range 7 East. 7.

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- 21.60 Wash, 20 lks.wide, 1 ft. deep, course N.30°E.
 29.60 Wash, 15 lks.wide, 1 ft. deep, course N.30° W.
 37.40 Wash, 15 lks.wide, 1 ft. deep, course N.20°E.
 40.01½ Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., with brass cap, marked
 ¼ S 29 on N., and
 S 32 on S.half;
 1915 on S. rim;
 no trees within limits. Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
 41.60 Wash, 20 lks.wide, 6 ins. deep, course N.30°E.
 66.00 Wash, 20 lks.wide, 6 ins. deep, course N.30°E.
 80.03 Cor. of secs. 28, 29, 32 and 33.
 Land, level.
 Soil, decomposed granite, sand and gravel, 2nd and 3rd rate.
 Timber, palo verde.
 Undergrowth, greasewood and sagebrush and cacti.
 Feb. 3, 1915.
-
- Feb. 5, 1915.
 N.0°1' E., bet. secs. 28 and 29.
 Over level land.
 13.10 Wash, 15 lks.wide, 1 ft. deep, course N.20° E.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec.cor., with brass cap, marked
 ¼ S 29 on W., and
 S 28 on E.half;
 1915 on S. rim;
 No trees within limits. Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
 At this cor. I set off 32°32' N. on the lat. arc; 16°5' S. on the decl. arc; and determine a meridian with the solar.
 41.40 Wash, 15 lks.wide, 1 ft. deep, course NE.
 45.50 Same wash, course NW.
 49.10 Same wash, course N.10°E.
 72.80 Same wash, course N.30°E.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap, marked
 T 10 S R 7 E on N.half;
 S 21 in NE.,
 S 28 in SE.,
 S 29 in SW., and
 S 20 in NW. quadrants;
 1915 on S. rim.
 No trees within limits.
 Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering palo verde and ironwood.
 Undergrowth, greasewood brush.
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- West, on a random line, bet. secs. 20 and 29
 40.00 Set temp. ¼ sec. cor.
 80.02 Intersect N. and S line, 2 lks. N. of cor. of secs. 19, 20, 29 and 30.
 At this cor. I set off 16°3' S. on the decl. arc, and at apparent noon observe the sun on the meridian; the resulting lat. is 32° 32' N.
 Thence I run,
 N.89° 59' E. on a true line, bet. secs. 20 and 29.
 Over level land.
 25.70 Wash, 20 lks.wide, 6 ins. deep, course N.
 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

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Chains.

- the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
 $\frac{1}{4}$ S 20 on-N., and
 S 29 on S.half;
 1915 on S.rim; from which
 An ironwood, 5 ins.in diam., brs.N.85°E., 73 lks.
 dist., marked $\frac{1}{4}$ S 20 B T.
 An ironwood, 12 ins.in diam., brs.S.22°W., 78.lks.
 dist., marked $\frac{1}{4}$ S 29 B T.
- 52.20 Wash, 20 lks.wide, 6 ins. deep, course N.
 64.00 Wash, 20 lks.wide, 1 ft. deep, course N.10°E.
 72.80 Wash, 10 lks.wide, 1 ft. deep, course N.
 80.02 Cor.of secs.20,21,28 and 29.
 Land, level.
 Soil, sandy loam, 2nd rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood and cacti.
-
- N.0°1'E., bet. secs.20 and 21.
 Over level land.
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
 $\frac{1}{4}$ S 20 on W., and
 S 21 in E.half;
 1915 on S.rim.
 No trees within limits.
 Dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of
 cor.
- 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground for cor.of secs. 16,17,20 and 21, with
 brass cap, marked
 T 10 S R 7 E on N.half;
 S 16 in NE.,
 S 21 in SE.,
 S 20 in SW., and
 S 17 in NW. quadrants;
 1915 on S.rim; from which,
 A mesquite, 12 ins. in diam., brs.S.42°W., 105
 lks.dist., marked T 10 S R 7 E S 20 B T.
 No other trees within limits. Dig pits 18x18x12 ins., in
 each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft.
 base. 2 ft. high, W.of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, palo verde.
 Undergrowth, greasewood and mesquite brush.
-
- West, on a random line, bet. secs. 17 and 20.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.04 Intersect N.and S.line, 12 lks.N.of cor.of secs.17,18,19
 and 20.
 Thence I run,
 N.89°55'E., on a true line, bet. secs.17 and 20.
 Ascend W. slope, over point of small hill.
- 5.00 Point of small hill, S. end.
 Descend E.slope to
 13.50 Level land.
- 40.02 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
 ground for $\frac{1}{4}$ sec.cor., with brass cap, marked
 $\frac{1}{4}$ S 17 on N., and
 S 20 on S.half;
 1915 on S.rim.
 No trees within limits. 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.

Subdivision of Township 10 South, Range 7 East.

9.

Chains.

- 80.04 Cor. of secs. 16, 17, 20 and 21.
Land, level.
Soil, sandy loam, 1st rate.
Timber, palo verde.
Undergrowth, scattering mesquite brush.
-
- N. 0° 1' E., bet. secs. 16 and 17.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 17 on W., and
S 16 on E. half;
1915 on S. rim;
dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, with brass cap, marked
T 10 S R 7 E on N. half;
S 9 in NE.,
S 16 in SE.,
S 17 in SW., and
S 8 in NW. quadrants,
1915 on S. rim.
Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, very scattering mesquite and sage brush.
-
- West, on a random line bet. secs. 8 and 17.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 12 lks. N. of cor. of secs. 7, 8, 17 and 18.
Thence I run,
N. 89° 55' E., on a true line, bet. secs. 8 and 17.
Over level land.
- 20.00 Rocky knoll about 5 chs. long, 3 chs. wide, and 30 ft. high, brs. N. 6 chs. dist.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 8 on N., and
S 17 on S. half;
1915 on S. rim.
Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.00 Cor. of secs. 8, 9, 16 and 17.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, very scattering mesquite brush.
Feb. 5, 1915.
-
- Feb. 8, 1915: At 8h. a.m., l.m.t., I set off 32° 34' N. on the lat. arc; 15° 9' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16 and 17.
Thence I run,
N. 0° 1' E., bet. secs. 8 and 9.
Over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

10. Subdivision of Township 10 South Range 7 East

Chains.

- $\frac{1}{4}$ S 8 on W., and
 $\frac{1}{4}$ S 9 on E. half;
 1915 on S rim.
 Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground for cor. of secs. 4, 5, 8 and 9, with brass cap,
 marked,
 $\frac{1}{4}$ S 10 S R 7 E on N. half;
 $\frac{1}{4}$ S 4 in NE.,
 $\frac{1}{4}$ S 9 in SE.,
 $\frac{1}{4}$ S 8 in SW., and
 $\frac{1}{4}$ S 5 in NW. quadrants;
 1915 in S rim.
 Dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, very scattering mesquite brush and sagebrush.
-
- West, on a random line, bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line, 14 lks. N. of cor. of secs. 5, 6, 7
 and 8.
 Thence I run,
 N. $89^{\circ} 54' E.$, on a true line, bet. secs. 5 and 8.
 Over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 5 on N., and
 $\frac{1}{4}$ S 8 on S. half;
 1915 on S. rim.
 Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of
 cor.
- 80.00 Cor. of secs. 4, 5, 8 and 9.
 Land, level.
 Soil, adobe, 1st rate.
 No timber.
 Undergrowth, sagebrush and cacti,
-
- N. $0^{\circ} 1' E.$ on a true line, bet. secs. 4 and 5,
 Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 5 on W., and
 $\frac{1}{4}$ S 4 on E. half;
 1915 on S. rim.
 Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.
- 46.31 Intersect S. bdy. of T. 9 S., R. 7 E., 252 lks. S. $89^{\circ} 51' W.$ of cor. of
 secs 31 and 32, reestablished by me, and described in Book
 "B."
- 46.01 True point for closing cor. falls in wash, 25 lks. wide, 3
 ft. deep, course N. $70^{\circ} W.$; therefore, at
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for witness cor. to closing cor. of secs.
 4 and 5, with brass cap, marked
 $\frac{1}{4}$ W C C S. of center,
 $\frac{1}{4}$ S 4 in SE., and
 $\frac{1}{4}$ S 5 in SW. quadrants;
 $\frac{1}{4}$ T 10 S R 7 E on S. half;
 1915 on S. rim

Subdivision of T.10 S., R.7 E.

Chains

Dig pits 24 X 18 X 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high S. of cor. Land, level.
 Soil, adobe, 1st rate.
 No timber.
 Undergrowth, very scattering mesquite and sagebrush.
 W.H.T. Feb. 8, 1915.

W.K.K.
 Survey commenced Feb. 8, 1915, and executed with a Young and Son's light mountain transit No. 8492 as described in book "A".

Feb. 6, 1915, at a point near camp in T.10 S., R.7 E. S.21, at 10 h. 22 m. p.m.l.m.t., I observe Polaris at W.E. in accordance with instructions in the Manual of Surveying.

Feb. 7, at 7 h., a.m.l.m.t. I lay off the azimuth of P. Polaris, 1° 21' to the E, and mark the mer. thus determined by a flag rod set on line 10 chs. N. of my station.

At 8 h., a.m.l.m.t., I set off 32° 32' N. on the decl. arc; 15° 28' S. on the decl. arc; and determine a mer. with the solar. The mer. thus determined strikes the flag rod set 10 chs. N. of my station.

At 4 h., p.m.l.m.t., I set off 32° 32' N. on the decl. arc 15° 22' S. on the decl. arc and determine a mer. with the solar. The mer. thus determined falls to the E. of the mer. determined by observations on Polaris, less than 1'; I therefore conclude that the adjustments of the transit and solar attachment are satisfactory.

Feb. 8, at 9 h., a.m.l.m.t., I set off 32° 30 $\frac{1}{2}$ ' N. on the lat. arc; 15° 9' S. on the decl. arc; and determine a mer. with the solar, at the std. cor. of secs. 33 and 34, on S bdy. of T.10 S., R.7 E. (2nd. Std. Parallel S.) reestablished by W.H. Thorn, U.S. Surveyor, and described in Book "A"

Thence I run N. 0° 2' E. bet. secs. 33 and 34.

5.50
 21.90
 32.00
 40.00

Over level land.
 Wash, 10 lks. wide, 6 ins. deep, course, N. 75° E.
 Enter wash, 15 lks. wide, 1 ft. deep, course, N.
 Leave wash, course, N. 5° E.
 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 33 on W. and
 $\frac{1}{4}$ S 34 on E. half, and
 1915 on S. rim.

from which,
 A palo verde, 12 ins. in diam. brs. S. 48 $\frac{1}{2}$ ° E.
 107 lks. dist. mkd. $\frac{1}{4}$ S 34 B T.

80.00

An iron wood 6 ins. in diam. brs. N. 43 $\frac{3}{4}$ ° W.
 83 lks. dist. mkd. $\frac{1}{4}$ S 33 B T.
 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, with brass cap mkd.
 T 10 S R 7 E on N. half;
 S 27 in NE.
 S 34 in SE.
 S 33 in SW. and
 S 28 in NW. quadrants, and
 1915 on S. rim.

from which,
 An iron wood 8 ins. in diam. brs. N. 82 $\frac{3}{4}$ ° E.
 187 lks. dist. mkd. T 10 S R 7 E S 27 B T.

Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy loam, 1st rate.
 Timber, ironwood and palo verde. Undergrowth, greasewood brush.

12.

Subdivision of T.10 S., R.7 E.

Chains

West on random line bet. secs. 28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.95 Intersect N. and S. line at cor. of secs. 28, 29, 32 and 33.
 Thence I run
 East on true line bet. secs. 28 and 33.
 Over level land.
 34.85 Wash, 15 lks. wide, 1 ft. deep, course N.
 39.97 $\frac{1}{2}$ Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 28 on N. and
 S 33 on S. half,
 1915 on S. rim,
 from which,
 A palo verde 6 ins. in diam. brs. N. $25\frac{1}{2}^{\circ}$ E.
 92 lks. dist, mkd. $\frac{1}{4}$ S 28 B T.
 A palo verde 6 ins. in diam. brs. S. $57\frac{1}{2}^{\circ}$ W.
 92 lks. dist. mkd. $\frac{1}{4}$ S 33 B T.
 45.15 Wash, 10 lks. wide 1 ft. deep, course N.
 54.35 Wash, 10 lks. wide, 1 ft. deep, course, N.
 79.95 Cor. of secs. 27, 28, 33 and 34.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood brush.

N. 0° 2' E. bet. secs. 27 and 28.
 Over level land.
 9.70 Wash, 15 lks. wide, 1 ft. deep, course, N. 20° W.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 28 on W., and
 S 27 on E. half,
 1915 on S. rim,
 from which,
 An iron wood 12 ins. in diam. brs. N. $13\frac{3}{4}^{\circ}$ E.
 340 lks. dist. mkd. $\frac{1}{4}$ S 27 B.T.
 No other trees near.
 Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high 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. 21, 22, 27 and 28, with brass cap mkd.
 T 10 S R 7 E on N. half;
 S 22 in NE.
 S 27 in SE.
 S 28 in SW. and
 S 21 in NW. quadrants,
 1915 on S. rim.
 from which,
 An iron wood 8 ins. in diam. brs. N. 27° E.
 215 lks. dist. mkd. T 10 S R 7 E S 22 B T.
 An iron wood 6 ins. in diam. brs. S. $45\frac{1}{2}^{\circ}$ E.
 84 lks. dist. mkd. T 10 S R 7 E S 27 B T.
 An iron wood 20 ins. in diam. brs. S. 12° W.
 400 lks. dist. mkd. T 10 S R 7 E S 28 B T.
 An iron wood 15 ins. in diam. brs. N. $5\frac{3}{4}^{\circ}$ W.
 215 lks. dist. mkd. T 10 S R 7 E S 21 B T.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood.

Subdivision of T.10 S..R.7 E.

Chains

West on random line bet. secs. 21 and 28.
 Set temp. $\frac{1}{4}$ sec. cor.
 40.00 Intersect N. and S. line 4 lks. S. of cor. of secs.
 79.99 20, 21, 28 and 29.
 Thence I run
 S $89^{\circ} 58'$ E. on a true line bet. secs. 21 and 28.
 Over level land.
 5.20 Wash, 15 lks. wide, 1 ft. deep, course N. 15° E.
 35.10 Wash, 15 lks. wide, 6 ins. deep, course, N. 10° W.
 39.99 $\frac{1}{2}$ Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 21 on N. and
 S 28 on S. half, and
 1915 on S. rim.
 No trees within limits.
 Dig pits 18 X 18 X 12 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.
 52.60 Wash, 10 lks. wide, 2 ft. deep, course, N.
 62.00 Wash, 10 lks. wide, 3 ft. deep, course, N. 5° W.
 79.99 Cor. of secs. 21, 22, 27 and 28.
 Land level.
 Soil, sandy loam, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood brush,
 At this cor. I set off $15^{\circ} 7'$ S. on the decl. arc. and
 at apparent noon observe the sun on the mer. The
 resulting lat. is $32^{\circ} 32'$ N.

N. $0^{\circ} 2'$ E. bet. secs. 21 and 22.
 Over level land.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 21 on W. and
 S 22 on E. half, and
 1915 on S. rim.
 No trees within limits.
 Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist.
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high
 W. of cor.
 50.70 Wash, 10 lks. wide, 1 ft. deep, course, N. 5° W.
 64.80 Wash, 15 lks. wide, 2 ft. deep, course, N. 5° W.
 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the
 ground for cor. of secs. 15, 16, 21 and 22, with
 brass cap mkd.
 T 10 S R 7 E on N. half;
 S 15 in NE.
 S 22 in SE.
 S 21 in SW. and
 S 16 in NW. quadrants, and
 1915 on S. rim.
 No trees within limits.
 Dig pits 18 X 18 X 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and
 raise a mound of earth 4ft. base 2 ft. high W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering palo verde.
 Undergrowth, greasewood brush.

West on random line bet. secs. 16 and 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 40.00 Intersect N. and S. line 4 lks. S. of cor. of secs.
 79.96 16, 17, 20 and 21.
 Thence I run
 S $89^{\circ} 58'$ E. on a true line bet. secs. 16 and 21.
 Over level land.

14.

Subdivision of T.10 S., R.7 E.

Chains 39.98	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. $\frac{1}{4}$ S 16 on N. and S 21 on S. half, and 1915 on S. rim. No trees within limits. Dig pits 18 X 18 X 12 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.
40.46	Wash, 20 lks wide, 6 ft. deep, course, N.
71.86	Wash, 15 lks. wide, 1 ft. deep, course N.
79.96	Cor. of secs. 15, 16, 21 and 22. Land, level. Soil sandy loam, 1st rate. Timber, scattering palo verde. Undergrowth, greasewood brush.
34.70	N. 0° 2' E. bet. secs. 15 and 16. Over level land. Wash, 15 lks. wide, 2 ft. deep, course, NW.
40.00	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. $\frac{1}{4}$ S 16 on W. and S 15 on E. half, and 1915 on S. rim. Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor.
80.00	Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, with brass cap mkd. T 10 S R 7 E. on N. half; S 10 in NE. S 15 in SE. S 16 in SW. and S 9 in NW. quadrants, and 1915 on S. rim. Dig pits 18 X 18 X 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level. Soil, adobe, 1st rate. No timber. Undergrowth, sagebrush and greasewood.
40.00	West on random line bet. secs. 9 and 16. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N and S. line 4 lks. S. of cor. of secs. 8, 9, 16 and 17. Thence I run S. 89° 58' E. on a true line bet. secs. 9 and 16. Over level land.
40.00	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. $\frac{1}{4}$ S 9 on N. and S 16 on S. half, and 1915 on S. rim. Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.
80.00	Cor. of secs. 9, 10, 15 and 16. Land, level. Soil, adobe, 1st rate. No timber. Undergrowth, sagebrush and greasewood. Feb. 8, 1915.

Subdivision of Township 10 South, Range 7 East. 15.

Chains. Feb. 9, 1915.
 N. 0° 2' E., bet. secs. 9 and 10.
 Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 S 9 on W., and
 S 10 on E. half;
 1915 on S. rim.

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

76.10 Wash, 10 lks. wide, 2 ft. deep, course N. 60° W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, with brass cap, marked
 T 10 S R 7 E on N. half;
 S 3 in NE.,
 S 10 in SE.,
 S 9 in SW., and
 S 4 in NW. quadrants;
 1915 on S. rim.

Dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, adobe, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering sage brush.

40.00 West, on a random line, bet. secs. 4 and 9.
 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line, 3 lks. S. of cor. of secs. 4, 5, 8 and 9.
 Thence 1 run,
 S. 89° 59' E., on a true line, bet. secs. 4 and 9.
 Over level land.

39.99 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 4 on N., and
 S 9 on S. half;
 1915 on S. rim.

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

74.00 Wash, 10 lks. wide, 2 ft. deep, course N. 60° W.

79.98 Cor. of secs. 3, 4, 9 and 10.
 Land, level.
 Soil, adobe, 1st rate.
 No timber.
 Undergrowth, scattering sagebrush.

N. 0° 2' E., on a true line, bet. secs. 3 and 4.
 Over level land.

10.60 Wash, 20 lks. wide, 3 ft. deep, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 4 on W., and
 S 3 on E. half;
 1915 on S. rim.

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

46.56 Intersect S. bdy. of Tp. 9 S., R. 7 E., 337 lks. S. 89° 51' W. of cor. of secs. 32 and 33, reestablished by W. H. T., and described in Book "B."
 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. 3 and 4, with brass cap, marked

16. Subdivision of Township 10 South, Range 7 East.

Chains.

C C S. of center,
S 3 in SE., and
S 4 in SW. quadrants;
T 10 S R 7 E on S. half;
1915 on S. rim.

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

Land, level.

Soil, adobe, 1st rate.

No timber.

Undergrowth, scattering sage brush.

Feb. 9, 1915.

Feb. 9, 1915. At 8h. a.m., l.m.t., I set off $32^{\circ}30\frac{1}{2}'$ N. on the lat. arc; $14^{\circ}50'$ S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35 on S. bdy. of Tp. (2nd Std. Par. S) reestablished by W.H.T., and described in Book "A."

Thence I run,

N. $0^{\circ}2'$ E., bet. secs. 34 and 35.

Over level land..

14.20 Dig road, brs. NW and SE.

18.70 Wash, 15 lks. wide, $1\frac{1}{2}$ ft. deep, course NW.

31.00 Wash, 12 lks. wide, 1 ft. deep, course NW

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
S 34 on W., and
S 35 in E. half;
1915 in S. rim.

No trees within limits. Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

76.70 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course NW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, with brass cap, marked

T 10 S R 7 E on N. half;

S 26 in NE.,

S 35 in SE.,

S 34 in SW. and

S 27 in NW. quadrants;

1915 on S. rim; from which

A palo verde, 8 ins. in diam., brs. N. $68\frac{1}{2}^{\circ}$ E., 324 lks. dist. marked T 10 S R 7 E S 26 B T.

A palo verde, 10 ins. in diam., brs. S. $80\frac{1}{2}^{\circ}$ E., 441 lks. dist., marked T 10 S R 7 E S 35 B T.

A mesquite, 6 ins. in diam., brs. S. $61\frac{1}{2}^{\circ}$ W., 118 lks. dist., marked T 10 S R 7 E S 34 B T.

A palo verde, 12 ins. in diam., brs. N. $41^{\circ}50'$ W., 240 lks. dist., marked T 10 S R 7 E S 27 B T.

Land, level.

Soil, sandy loam, 1st rate.

Undergrowth, greasewood brush.

Timber, palo verde and mesquite.

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

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

80.01 Intersect N. and S. line, 5 lks. N. of cor. of secs. 27, 28, 33 and 34.

Thence I run,

N. $89^{\circ}58'$ E., on a true line, bet. secs. 27 and 34.

Over level land.

17.30 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course N.

27.50 Wash, 15 lks. wide, 1 ft. deep, course N.

34.30 Wash, 15 lks. wide, 2 ft. deep, course N.

Subdivision of T.10 S., R 7 E.

Chains
40.00½

Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.
¼ S 27 on N. and
S 34 on S. half,
1915 on S. rim.

No trees within limits.
Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high N. of cor.

42.60
65.20
67.70
78.30
80.01

Dim road, brs. N. and S.
Wash, 75 lks. wide, 2 ft. deep, course, N. 10° E.
Wash, 15 lks. wide, 1 ft. deep, course N. 10° E.
Wash, 10 lks. wide, 1½ ft. deep, course N.
Cor. of secs. 26, 27, 34 and 35.
Land, level.
Soil, sandy loam, 1st rate.
Timber, iron wood and palo verde.
Undergrowth, greasewood and mesquite brush.

N. 0° 2' E. bet. secs. 26 and 27.
Over level land.

21.60
40.00

Wash, 12 lks. wide, 1 ft. deep, course, N. 10° W.
Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.
¼ S 27 on W., and
S 26 on E. half,
1915 on S. rim.

from which,
A palo verde 6 ins. in diam. brs. N. 8¾° E.
113 lks. dist. mkd. ¼ S 26 B T.
A palo verde 6 ins. in diam. brs. S. 69° W.
58 lks. dist. mkd. ¼ S 27 B T.

53.40
56.10
72.60
80.00

Enter wash, 50 lks wide, 3 ft. deep, course, N. 10° E.
Leave same wash, course, N.10° E.
Wash, 75 lks. wide, 2 ft. deep, carse, NW.
Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with brass cap mkd.

T 10 S R 7 E on N. half;
S 23 in NE.
S 26 in SE.
S 27 in SW. and
S 22 in NW. quadrants, and
1915 on S. rim.

from which,
A palo verde 10 ins. in diam. brs. S. 57¼° W.
364 lks. dist. mkd. T 10 S R & E S 27 B T.
A palo verde 24 ins. in diam. brs. N. 68¾° W.
237 lks. dist. mkd. T 10 S R 7 E S 22 B T.

No other trees near.
Dig pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land, level.
Soil, sandy loam, 1st rate.
Timber, palo verde and iron wood.
Undergrowth, greasewood brush,

West, on random line bet. secs. 22 and 27.

40.00
80.00

Set temp. ¼ sec. cor.
Intersect N. and S. line 5 lks. N. of the cor. of secs. 21, 22, 27 and 28,

Thence I run
N 89° 58' E. on a true line bet. secs. 22 and 27.
Over level land.

40.00

Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. with brass cap m kd.
¼ S 22 on N., and
S 27 on S. half,
1915 on S. half.

18.

Subdivision of T.10 S., R.7 E.

Chains	Road, brs. N. and S.
47.10	Wash, 75 lks. wide, 2 ft. deep, course, N.
77.60	Cor. of secs. 22, 23, 26 and 27.
80:00	Land, level. Soil, sandy loam, 1st rate. Timber, palo verde and iron wood. Undergrowth, greasewood and mesquite brush.
40.00	N. 0° 2' E. bet. secs. 22 and 23. Over level land. Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. $\frac{1}{4}$ S 22 on W. and S 23 on E. half, 1915 on S. rim. No trees within limits. Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high 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 and 23, with brass cap mkd. T 10 S R 7 E. on N. half; S 14 in NE. S 23 in SE. S 22 in SW. and S 15 in NW. quadrants, 1915 on S. rim. No trees within limits. Dig pits 18 X 18 X 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth $4\frac{1}{2}$ ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, 1st rate. Timber, scattering palo verde and iron wood, Undergrowth, greasewood brush. At this cor. I set off 14° 48' S. on the decl. arc. and at apparent noon observe the sun on the mer. The resulting lat. is 32° 33' N.
40.00	West, on random line bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor.
79.95	Intersect N. and S. line 5 lks. S. of cor. of secs. 15, 16, 21 and 22. Thence I run S 89° 58' E. on a true line bet. secs. 15 and 22. Over level land.
11.40	Wash, 15 lks. wide, 2 ft. deep, course, N.
33.20	Wash, 20 lks. wide, 1 ft. deep, course N.
39.97 $\frac{1}{2}$	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. $\frac{1}{4}$ S 15 on N. and S 22 on S. half, 1915 on S. rim. Dig pits 18 X 18 X 12 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.
48.55	Road, brs. N. and S.
79.95	Cor. of secs. 14, 15, 22 and 23. Land, level. Soil, sandy loam, 1st rate. Timber, none. Undergrowth, greasewood brush.

Subdivision of T.10 S., R.7 E.

Chains

N. 0° 2' E. bet. secs. 14 and 15.
 Over level land.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S. 15 on W. and
 S 14 on E. half,
 1915 on S. rim.
 Dig pits, 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high 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. 10, 11, 14 and 15, with brass cap mkd.
 T 10 S R 7 E. on N. half;
 S 11 in NE.
 S 14 in SE.
 S 15 in SW. and
 S 10 in NW. quadrants,
 1915 on S. rim.
 Dig pits 18 X 18 X 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, none.
 Undergrowth, greasewood brush.

West on a random line bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.99 Intersect N. and S. line 5 lks. N. of cor. of secs. 9, 10, 15 and 16.
 Thence I run
 N. 89° 58' E. on a true line bet. secs. 10 and 15.
 Over level land.
 19.00 Dim road, brs. N. and S.
 33.00 Dim road brs. N. 85° E. and S. 85° W.
 39.00 Wash, 15 lks. wide, 2 ft. deep, course, N.
 39.99 $\frac{1}{2}$ Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 10 on N. and
 S 15 on S. half,
 1915 on S. rim.
 Dig pits 18 X 18 X 12 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.
 54.40 Wash, 15 lks. wide, 1 ft. deep, course, N.
 79.99 Cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, adobe, 1st rate.
 Timber, none.
 Undergrowth, scattering greasewood and mesquite brush.
 W.K.K. Feb. 9, 1915.

W.H.T.
 Feb. 12, at 8 h., a.m. l.m.t., I set off 32* 34' N. on the lat. arc 13° 52' S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 10, 11, 14 and 15.
 Thence I run
 N. 0° 2' E. bet. secs. 10 and 11.
 Over level land.
 13.52 Ditch, 4 ft. wide, 2 ft. deep, course, N. 60° W.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 $\frac{1}{4}$ S 10 on W., and
 S 11 on E. half,
 1915 on S. rim.

20.

Subdivision of T.10 S., R.7 E.

Chains. 80.00	<p>Set an iron post 3 ft. long 2 in. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap mkd.</p> <p style="padding-left: 40px;">T 10 S R 7 E on N. half; S 2 in NE. S 11 in SE. S 10 in SW. and S 3 in NW. quadrants, 1915 on S. rim.</p> <p>Dig pits 18 X 18 X 12 ins. in each sec, 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.</p> <p>Land, level. Soil, adobe, 1st rate, Timber, none. Undergrowth, scattering greasewood and mesquite brush,</p>
40.00 80.00	<p>West, on random line bet. secs. 3 and 10. Set temp. ¼ sec. cor. Intersect N. and S. line at cor. of secs. 3, 4, 9 and 10. Thence I run East, on true line bet. secs. 3 and 10. Over level land.</p>
36.00 40.00	<p>Road brs. N. and S. Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd. ¼ S 3 on N. and S 10 on S. half; 1915 on S. rim.</p>
80.00	<p>Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 ft dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.</p> <p>Cor. of secs. 2, 3, 10 and 11. Land, level. Soil, adobe, 1st rate. Timber, none. Undergrowth, greasewood and scattering mesquite.</p>
40.00	<p>N. 0° 2' E. on a true line, bet. secs. 2 and 3. Over level land. Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd. ¼ S 3 on W. and S 2 on E. half, 1915 on S. rim.</p>
46:42	<p>Dig pits, 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.</p> <p>Intersect S. bdy. of T.9 S., R.7 E., 4.19 chs. N. 89° 58' W., off cor. of secs. 33 and 34, reestablished by me, and described in Book W.B. Survey of the S. bdy. of</p> <p>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. 2 & 3, with brass cap, marked C.C. S. of center. S 2 in SE. and S 3 in SW. quadrants, T 10 S R 7 E on S. half, and 1915 on S. rim.</p> <p>Dig pits 24 X 18 X 12 ins. cross wise on each line, E. and W., 3 ft. and S. of cor. 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high S. of cor.</p> <p>Land, level. Soil, adobe, 1st rate. No timber. Undergrowth, scattering mesquite and sagebrush, W.H.T. Feb. 12, 1915.</p>

Subdivision of Township 10 South, Range 7 East.

Chains.

W.K.K.
Feb. 10, 1915: At 8h. a.m., limit., I set off $32^{\circ}30\frac{1}{2}'N.$ on the lat. arc; $14^{\circ}31'S.$ on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 35 and 36 on S. bdy. of Tp. (2nd. Std. Par. S.) reestablished by W.H. Thorn, U.S. Surveyor, and described in Book "A."

Thence I run,
 $N. 0^{\circ} 3' E.$, bet. secs. 35 and 36.
Over level land.

.50 Wash, 15 lks. wide, 2 ft. deep, course NE.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 35 on W., and
 $\frac{1}{4}$ S 36 on E. half;
1915 on S. rim; from which

A palo verde, 10 ins. in diam., brs. $N. 70\frac{1}{2}^{\circ} E.$,
150 lks. dist., marked $\frac{1}{4}$ S 36 B T.

No other trees within limits. Dig pits $18 \times 18 \times 12$ ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

76.30 Wash, 10 lks. wide, 1 ft. deep, course NW.

79.20 Wash, 10 lks. wide, 1 ft. deep, course NW.

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

T 10 S R 7 E on N. half;
S 25 in NE.,
S 36 in SE.,
S 35 in SW., and
S 26 in NW. quadrants;
1915 on S rim; from which,

A palo verde, 6 ins. in diam., brs. $N. 57\frac{3}{4}^{\circ} E.$,
110 lks. dist., marked T 10 S R 7 E S 25 B T.

A palo verde, 8 ins. in diam., brs. $S. 25^{\circ} E.$, 158
lks. dist., marked T 10 S R 7 E S 36 B T.

A palo verde, 6 ins. in diam., brs. $S. 25\frac{1}{2}^{\circ} W.$, 76
lks. dist., marked T 10 S R 7 E S 35 B T.

A palo verde, 12 ins. in diam., brs. $N. 55\frac{1}{2}^{\circ} W.$, 28
lks. dist., marked T 10 S R 7 E S 26 B T.

Land, level.
Soil, sandy loam, 1st rate.
Timber, palo verde.
Undergrowth, greasewood brush.

West, on a random line, bet. secs. 26 and 35.

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

80.02 Intersect N. and S. line, 5 lks. S. of cor. of secs. 26, 27, 34 & 35.

Thence I run,
 $S. 89^{\circ} 58' E.$, on a true line, bet. secs. 26 and 35.
Over level land.

4.20 Wash, 12 lks. wide, 2 ft. deep, course $N. 25^{\circ} W.$

35.90 Wash, 10 lks. wide, 2 ft. deep, course $N. 30^{\circ} W.$

40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 26 on N., and
S 35 on S. half;
1915 on S. rim;

no trees within limits.

Dig pits $18 \times 18 \times 12$ 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.

77.60 Wash, 10 lks. wide, 1 ft. deep, course NW.

79.50 Wash, 10 lks. wide, 1 ft. deep, course N.

80.02 Cor. of secs. 25, 26, 35 and 36.

Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood brush.

22. Subdivision of Township 10 South, Range 7 East.

Chains	
	East, on a true line, bet. secs. 25 and 36. Over level land.
7.10	Wash, 10 lks. wide, 2 ft. deep, course N. 5° W.
15.80	Dim road, brs. NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked S 25 on N., and S 36 on S. half; 1915 on S. rim; from which, A mesquite, 10 ins. in diam., brs. N. 36 $\frac{1}{2}$ ° E., 29 lks. dist., marked S 25 B T. A palo verde, 14 ins. in diam., brs. S. 85° E., 103 lks. dist., marked S 36 B T.
49.00	Wash, 8 lks. wide, 2 ft. deep, course N.
61.00	Wash, 10 lks. wide, 2 ft. deep, course N. 15° W.
84.80	Wash, 15 lks. wide, 1 ft. deep, course N.
110.15	Wash, 10 lks. wide, 1 ft. deep, course N. 5° W.
164.30	Intersect west bdy. of T. 10 S., R. 8 E., 10.36 chs. S. 0° 23' W. of $\frac{1}{4}$ sec. cor. of sec. 30, which is a 1 in. iron post, with brass cap, properly set and marked and witnessed as described by the Surveyor General. (See Book "B.") At point of intersection, I Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 25 and 36, with brass cap, marked T 10 S on N. half; C C W. of center, S 36 in SW., and R 7 E S 25 in NW. quadrants; 1915 on S. rim. No trees within 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, level. Soil, sandy loam, 1st rate. Timber, scattering palo verde, ironwood and mesquite. Undergrowth, greasewood brush. At this cor., I set off 14° 29' S. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 31' N.
	From cor. of secs. 25, 26, 35 and 36, I run, N. 0° 3' E., bet. secs. 25 and 26. Over level land.
16.30	Wash, 10 lks. wide, 2 ft. deep, course NW.
19.80	Wash, 10 lks. wide, 1 ft. deep, course N. 5° W.
22.50	Dim road, brs. N. 20° W. and S. 20° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked S 26 on W., and S 25 on E. half; 1915 on S. rim.
	No trees within limits. Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
61.40	Wash, 10 lks. wide, 2 ft. deep, course NW.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 23, 24, 25 and 26, with brass cap, marked T 10 S R 7 E on N. half; S 24 in NE., S 25 in SE., S 26 in SW., and S 23 in NW. quadrants; 1915 on S. rim. No trees within limits. 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.

Subdivision of Township 10 South, Range 7 East.

Chains.

Soil, sandy loam, 1st rate.
Timber, palo verde and ironwood.
Undergrowth, greasewood brush.

West, on a random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.05 Intersect N. and S. line, 4 lks. N. of cor. of secs. 22, 23, 26 and 27.
 Thence I run,
 N. $89^{\circ}58'E.$, on a true line, bet. secs. 23 and 26.
 Over level land.
 9.75 Wash, 10 lks. wide, 2 ft. deep, course N.
 11.55 Wash, 10 lks. wide, 2 ft. deep, course N.
 40.02 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 23 on N., and
 S 26 on S. half;
 1915 on S. rim; from which
 A mesquite, 8 ins. in diam., brs. N. $76^{\circ}40'E.$, 78
 lks. dist., marked $\frac{1}{4}$ S 23 B T.
 A mesquite, 6 ins. in diam., brs. S. $76^{\circ}40'W.$, 8
 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 80.05 Cor. of secs. 23, 24, 25 and 26.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, palo verde and mesquite.
 Undergrowth, greasewood brush.

East, on a true line, bet. secs. 24 and 25.
Over level land.

24.10 Wash, 10 lks. wide, 2 ft. deep, course N.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 24 on N., and
 S 25 on S. half;
 1915 on S. rim.
 No trees within limits. Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 79.10 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course N.
 164.63 Intersect west bdy. of T. 10 S., R. 8 E., 10.49 chs. S. $0^{\circ}10'$ W. of $\frac{1}{4}$ sec. cor. of sec. 19, which is an iron post, with brass cap, properly set, marked and witnessed as described by the Surveyor General. (See Book "B.")
 At point of intersection, I
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 24 and 25, with brass cap, marked
 T 10 S on N. half;
 C C W. of center,
 S 25 in SW., and
 R 7 E S 24 in NW. quadrants;
 1915 on S rim; from which,
 An ironwood, 18 ins. in diam., brs. N. $16\frac{1}{2}^{\circ}W.$,
 276 lks. dist., marked T 10 S R 7 E S 24 B T.
 No other trees within 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, level.
 Soil, adobe, 1st rate.
 Timber, palo verde and ironwood.
 Undergrowth, greasewood brush.

Feb. 10, 1915.

24. Subdivision of Township 10 South, Range 7 East.

- Chains. 1915.
- Feb. 11: At 8h. a.m., l.m.t., I set off $32^{\circ}32'N.$ on the lat. arc; $14^{\circ}12'S.$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.
- Thence I run,
 $N.0^{\circ}3'E.$, bet. secs. 23 and 24.
 Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 23 on W., and
 $\frac{1}{4}$ S 24 on E. half;
 1915 on S. rim;
 dig pits $18 \times 18 \times 12$ ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, 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. 13, 14, 23 and 24, with brass cap, marked
 $T 10 S R 7 E$ on N. half;
 $S 13$ in NE.,
 $S 24$ in SE.,
 $S 23$ in SW, and
 $S 14$ in SW. quadrants;
 1915 on S. rim;
 dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood.
-
- West, on a random line, bet. secs. 14 and 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 4 lks. N. of cor. of secs. 14, 15, 22 and 23.
 Thence I run,
 $N.89^{\circ}58'E.$, on a true line, bet. secs. 14 and 23.
 Over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 14 in N., and
 $\frac{1}{4}$ S 23 in S. half;
 1915 in S. rim.
 Dig pits $18 \times 18 \times 12$ ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.00 Cor. of secs. 13, 14, 23 and 24.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
-
- East, on a true line, bet. secs. 13 and 24.
 Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 13 on N., and
 $\frac{1}{4}$ S 24 on S. half;
 1915 in S. rim;
 dig pits $18 \times 18 \times 12$ 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.
- 165.05 Intersect W. bdy. of Tp. 10 S., R. 8 E., 10.42 chs. $S.0^{\circ}25'W.$, of $\frac{1}{4}$ sec. cor. of sec. 18, a 1-in. iron post with brass cap, properly set, marked and witnessed as described by the Surveyor General. (See Book "B.")
 At point of intersection I
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing corner of secs. 13 and 24, with brass cap, marked

Chains.

- T 10 S on N. half;
C C W. of center;
S 24 in SW., and
R 7 E S 13 in NW. quadrants;
1915 on S. rim.
- 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, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood and scattering mesquite brush.
Feb. 11, 1915.
-
- Feb. 12, 1915: At 8h. a.m., l.m.t., I set off $32^{\circ}33'N.$ on the lat. arc; $13^{\circ}52'S.$ on the decl. arc, and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.
- Thence I run,
N. $0^{\circ}3'E.$, bet. secs. 13 and 14.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$ S 14 on W., and S 13 on E. half; 1915 on S. rim.
- Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap, marked
- T 10 S R 7 E on N. half;
S 12 in NE.,
S 13 in SE.,
S 14 in SW., and
S 11 in NW. quadrants;
1915 on S. rim;
- dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Land, level.
Soil, sandy loam, 1st rate.
Timber, none.
Undergrowth, greasewood brush and scattering mesquite.
-
- West, on a random line, bet. secs. 11 and 14.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, at the cor. of secs. 10, 11, 14 and 15.
- Thence I run,
East, on a true line, bet. secs. 11 and 14.
Over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked, $\frac{1}{4}$ S 11 on N., and S 14 on S. half; 1915 on S. rim;
- dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 80.00 Cor. of secs. 11, 12, 13 and 14.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood brush and scattering mesquite.
-

26. Subdivision of Township 10 South Range 7 East.
Chains.

- East, on a true line, bet. secs. 12 and 13.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 12 on N., and
 $\frac{1}{4}$ S 13 on S. half;
 1915 on S. rim;
 dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- 165.43 Intersect W. bdy. of Tp. 10 S., R. 8 E., 10.53 chs. S. 0° 18' W. of $\frac{1}{4}$ sec. cor. of sec. 7, a 1 in. iron post, with brass cap, properly set, marked and witnessed as described by the Surveyor General. (See Book "B.")
 At point of intersection, I
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 12 and 13, with brass cap, marked
 T 10 S on N. half;
 C C W. of center,
 S 13 in SW., and
 R 7 E S 12 in NW. quadrants;
 1915 on S. rim;
 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, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite brush.
-
- From cor. of secs. 11, 12, 13 and 14, I run,
 N. 0° 3' E., bet. secs. 11 and 12.
 Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked
 $\frac{1}{4}$ S 11 on W., and
 $\frac{1}{4}$ S 12 on E. half;
 1915 on S. rim;
 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- 47.40 Wash, 20 lks. wide, 1 ft. deep, course SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, with brass cap, marked
 T 10 S R 7 E on N. half;
 S 1 in NE.,
 S 12 in SE.,
 S 11 in SW., and
 S 2 in NW. quadrants;
 1915 on S. rim;
 dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, scattering scrub mesquite and low sagebrush.
 At this cor., I set off 13° 50' S. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 35' N.
-
- West, on a random line, bet. secs. 2 and 11.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 3 lks. S. of cor. of secs. 2, 3, 10 and 11.
 Thence I run,
 S. 89° 59' E., on a true line, bet. secs. 2 and 11.
 Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked,

Subdivision of Township 10 South, Range 7 East, 27.

Chains.	
80.00	<p> $\frac{1}{4}$ S 2 on N., and S 11 on S half; 1915 on S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. of secs. 1, 2, 11 and 12. Land, level. Soil, sandy, 2nd rate. No timber. Undergrowth, scattering scrub mesquite and low sagebrush. </p>

40.00	<p> East, on a true line, bet. secs. 1 and 12. Over level land. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked </p>
60.00	<p> $\frac{1}{4}$ S 1 on N., and S 12 in S half; 1915 on S. rim; dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Drainage lateral to Santa Cruz Reservoir, 20 lks. wide, 3 ft. deep, course S. 60° W. </p>
165.85	<p> Intersect W. bdy. of T. 10 S., R. 8 E., 10.48 chs. S. $0^{\circ}21'$ W. of $\frac{1}{4}$ sec. cor. of sec. 6, an iron post with brass cap, marked and witnessed as described by the Surveyor General. (See book "B." At point of intersection, I Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 1 and 2, with brass cap, marked T 10 S on N. half; C C W of center, S 12 in SW., and R 7 E S 1 in NW. quadrants; 1915 on S. rim; dig pits 24x18x12 ins., crosswise on each line, N. and S. of cor. 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, level. Soil, adobe, 1st rate. Timber, none. Undergrowth, scattering mesquite and low sagebrush. </p>

40.00	<p> From cor. of secs. 1, 2, 11 and 12, I run, N. $0^{\circ}3'$ E. on a true line, bet. secs. 1 and 2. Over level land. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap, marked </p>
46.29	<p> $\frac{1}{4}$ S 2 on W., and S 1 on E. half; 1915 on S. rim; dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Intersect S. bdy. of Tp. 9 S., R. 7 E., 5.06 chs. N. $89^{\circ}58'$ W. of reestablished cor. of secs. 34 and 35, described in Book "B." At point of intersection I Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 1 and 2, with brass cap, marked C C S of center, S 1 in SE., and S 2 in SW. quadrants; T 10 S R 7 E on S. half; 1915 on S. rim; dig pits 24x18x12 ins., E. and W. 3 ft., and S. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. </p>

28. Subdivision of Township 10 South Range 7 East

Chains,

high, S. of cor.

Land, level.

Soil, adobe, 1st rate.

No timber.

Undergrowth, greasewood and scattering mesquite brush.

W.K.K. Feb. 12, 1915.

GENERAL DESCRIPTION.

This township is level except for a few mountains in the south side of secs. 31, 32, and 33.

Santa Cruz Reservoir has occupied nearly all and part of secs. 6 and 7, respectively, as shown by the high water mark.

The soil is sandy loam and adobe, 1st rate, with gravel along the south tier of sections, and stony in the mountains.

Palo verde and ironwood timber is found along the south boundary, with scattering mesquite elsewhere.

There are no settlers, and no water has been developed.

019

FOR CERTIFICATES OF UNITED STATES SURVEYOR. and UNITED STATES TRANSITMAN

See Book "C" of this Group.

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, MAR 19 _____, 1917.

The foregoing field notes of the survey of _____ the _____

SUBDIVISION LINES OF

TOWNSHIP 10 SOUTH, RANGE 7 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by W. H. Thorn, U. S. Surveyor, and W. K. Kierulff, U. S. Transitman, under his special instructions dated July 29, 1914, for Group 38, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]

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.