

Duplicate

FIELD NOTES

OF ~~THE SURVEY~~ THE

RESURVEY OF

Subdivision Lines

in

TOWNSHIP 15 SOUTH RANGE 11 EAST

Within the Papago Indian Reservation

Of the Gila & Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Charles M. Leedy

In the capacity of U. S. Surveyor, under instructions dated Oct. 6, 1914,

Commissioner of the General Land Office to A. F. Dunnington,
issued by the ~~United States Surveyor General to govern surveys included in~~
Topographer in Charge of Indian Surveys

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

~~Office, 191 , pursuant to authority contained in the Act of~~

~~Congress dated , 191~~

Survey commenced July 16, 1915

Survey completed July 17, 1915

118

BOOK 3420

INDEX DIAGRAM.

Township 15 South, Range 11 East

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Handwritten annotations in the bottom-right section of the grid:

- Between row 27 and 28, column 3: a vertical dashed line.
- Between row 27 and 28, column 4: handwritten '8'.
- Between row 27 and 28, column 5: handwritten '7'.
- Between row 27 and 28, column 6: handwritten '4'.
- Between row 27 and 28, column 7: handwritten '5'.
- Between row 28 and 29, column 4: handwritten '8'.
- Between row 28 and 29, column 5: handwritten '6'.
- Between row 28 and 29, column 6: handwritten '4'.
- Between row 28 and 29, column 7: handwritten '3'.

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

Survey commenced July 16, 1915, by Charles M. Leedy, U. S. Surveyor, and executed with a Young and Sons' light mountain transit No. 8501, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The iron posts used in this survey are the regular General Land Office iron posts 3 ft. long, set 26 inches in ground, filled with cement, and fitted with brass caps. The posts at section corners are 2 inches in diameter and those at $\frac{1}{4}$ sec. corners are 1 inch in diameter.

SE. cor. of this township is in Latitude $32^{\circ} 05' W.$, Longitude $111^{\circ} 10' W.$

The instrument was tested and adjusted on a meridian at camp near the cor. of secs. 19, 20, 29 and 30, T. 15 S., R. 11 E., For description of Polaris observation see notes of Subdivision T 15 S., R. 12 E. pl.

July 16, 1915. At $8^h 0^m$ a.m., l.m.t., I set off $32^{\circ} 5'$ on lat. arc, and $21^{\circ} 30'$ N. on decl. arc, and determine a meridian with the solar at the reestablished S. C. of secs. 35 and 36, on S. bdy. of tp.

Thence I run

N. retracing the line bet. secs. 35 and 36.

40.13 Fall 29 lks. E. of the old $\frac{1}{4}$ sec. cor. bet. secs. 35 and 36, which is a post 3 ins. square, well set and marked as described.

From the old $\frac{1}{4}$ sec. cor., I run

N. retracing the line bet. secs. 35 and 36.

40.00 Fall 34 lks. E. of the old cor. of secs. 25, 26, 35 and 36, which is a post 4 ins. square, well set and mkd. as described.

From the old cor. of secs. 25, 26, 35 and 36, I run

N. retracing the line bet. secs. 25 and 26.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

79.98 Fall 1.09 chs. E. of the cor. of secs. 23, 24, 25 and 26, on N. bdy. of Papago Indian Reservation, previously described.

From the cor. of secs. 22, 23, 26 and 27, on the N. bdy. of the Papago Indian Reservation, previously described, I run

S. retracing the line bet. secs. 26 and 27.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.00 Unable after diligent search to find any trace of old cor. of secs. 26, 27, 34 and 35. Set temp cor.

I continue S. retracing the line bet. secs. 34 and 35.

39.98 Fall 1.15 chs. W. of the old $\frac{1}{4}$ sec. cor. bet. secs. 34 and 35, which is a post 3 ins. square, well set and mkd. as described.

Note: By an inspection of the plat of original survey it will be noticed that secs. 26 and 27 are "out of limits" on account of dist. of 19.40 chs. from N. $\frac{1}{16}$ cor. of secs. 26 and 27 to the cor. of secs. 22, 23, 26 and 27.

In order not to perpetuate this condition I assume that 80.02 chs. was the most probable length bet. secs. 26, 27, 34 and 35 and 22, 23, 26 and 27 (obtained by computation from length of line on E. side of sec. 26 and W. side of sec. 27, giving an average of 80.02 bet. secs. 26 and 27.)

Upon this assumption I adjust temp. cors. to their proportionate positions on meridional lines.

From the old $\frac{1}{4}$ sec. cor. bet. secs. 34 and 35, I run S. retracing the line bet. secs. 34 and 35.

40.06 Fall 23 lks. W. of the reestablished S. C. of secs. 34 and 35, on S. bdy. of tp., previously described.

July 16, 1915. At this cor. I set off $21^{\circ} 28'$ N. on decl. arc, and at apparent noon observe the sun on the meridian. The resulting lat. is $32^{\circ} 5'$ which is the proper lat.

Note: The ties to temp. cors. are taken to the adjusted position of temp cors. on meridional lines.

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

From the cor. of secs. 27, 28, 33 and 34, I run E. retracing the line bet. secs. 27 and 34.

39.93 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.32 Fall 1.12 chs. S. of adjusted temp. cor. of secs. 26, 27, 34 and 35.

I continue E. retracing line bet. secs. 26 and 35.

40.00 Unable after diligent search to find any trace of old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.29 Fall 1.96 chs. S. of the old cor. of secs. 25, 26, 35 and 36.

From the old cor. of secs. 25, 26, 35 and 36, I run E. retracing line bet. secs. 25 and 36.

40.00 Unable after diligent search to find any trace of the old $\frac{1}{4}$ sec. cor. Set temp. cor.

80.29 Intersect the reestablished cor. of secs. 25, 30, 31 and 36, on E. bdy. of tp., previously described.

July 16, 1915.

July 17, 1915. At 8h 0m a.m., l.m.t., I set off 32° 5' on lat. arc, and 21° 20' N. on decl. arc, and determine a meridian with the solar at reestablished S. C. of secs. 35 and 36, on S. bdy. of tp., previously described.

Thence I run

N. 0° 25' W. on a true line bet. secs. 35 and 36.

Desc. gradually over nearly level land, through scattered mesquite, palo verde and cactus.

12.10 Wash, 10 lks. wide, course N. 30° E.

40.13 The old $\frac{1}{4}$ sec. cor. of secs. 35 and 36, which is a mesquite post 3 ins. square, well set and plainly mkd. $\frac{1}{4}$ on W. face.

N. and alongside set an iron post 1 in. dia., stamped on cap

$\frac{1}{4}$ in N.
S 35 in W.
S 36 in E.
1915 in S.

From which a

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

Mesquite 10 ins. dia., brs. N. 41° E., 43 lks. dist.,
mkd. ¼ S 36 B T.

Mesquite 6 ins. dia., brs. N. 48° W. 171 lks. dist.,
mkd. ¼ S 35 B T.

Land, nearly level.
Soil, 2nd rate.
Timber, scattered mesquite and palo verde, 40.13 chs.
Mesquite and palo verde brush and cactus, 40.13 chs.

Thence N. 0° 29' W. on a true line bet. secs. 35 and 36,
N. ¼.

Desc. gradually over nearly level land, through
scattered mesquite, palo verde and cactus.

15.90

Wash, 10 lks. wide, course N. 30 E.

40.00

The old cor. of secs. 25, 26, 35 and 36, which is
a mesquite post 4 ins. square, well set and plainly
mkd.

T XV S XXV on NE.
R XI E XXXVI on SE.
XXXV on SW.
XXVI on NW.

N. and alongside set an iron post 2 ins. dia.,
stamped on cap

T 15 S S 26 in NW.
R 11 E S 25 in NE.
S 36 in SE.
S 35 in SW.
1915 in S.

From which an old B. T. a

Palo verde 10 ins. dia., brs. N. 86½° W., 252 lks.
dist., mkd. XXVI.

No other trees available.

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, nearly level.
Soil, 2nd rate.
Timber, scattered mesquite and palo verde, 40.00 chs.
Mesquite and palo verde brush and cactus, 40.00 chs.

Thence E. on a true line bet. secs. 25 and 36.

Over nearly level land.

Desc. gradually towards N., through scattered
mesquite, palo verde and cactus.

40.15

The proportional point for the ¼ sec. cor. bet.
secs. 25 and 36.

Set an iron post 1 in. dia., stamped on cap

Resurvey of Subdivision lines in T. 15 S., R. 11 E.,

Chains

$\frac{1}{4}$ in W.
 S 25 in N.
 S 36 1915 in S.

From which a

Palo verde 6 ins. dia., brs. N. 65° E., 184 lks. dist.,
 mkd. $\frac{1}{4}$ S 25 B T.

Palo verde 6 ins. dia., brs. S. 63° E., 216 lks. dist.,
 mkd. $\frac{1}{4}$ S 36 B T.

48.80 Wash, 5 lks. wide, course N.

58.20 Wash, 10 lks. wide, course N.

65.30 Wash, 30 lks. wide, course N. 30° W.

80.29 The reestablished cor. of secs. 25, 30, 31 and 36, on
 E. bdy. of tp. previously described.

Land, nearly level.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 80.29 chs.

Mesquite and palo verde brush and cactus, 80.29 chs.

Returning to the cor. of secs. 25, 26, 35 and 36,
 I run

N. 0° 47' W. on a true line bet. secs. 25 and 26.

Desc. gradually over nearly level land, through
 scattered mesquite, palo verde and cactus.

11.30 Road, brs. E. & W.

39.99 The proportional point for the $\frac{1}{4}$ sec. cor. of
 secs. 25 and 26.

Set an iron post 1 in. dia., stamped on cap.

$\frac{1}{4}$ in N.
 S 26 in W.
 S 25 in E.
 1915 in S.

From which a

Mesquite 4 ins. dia., brs. S. 62 $\frac{1}{4}$ ° E., 132 lks. dist.,
 mkd. $\frac{1}{4}$ S 25 B T.

Mesquite 6 ins. dia., brs. S. 33 $\frac{1}{4}$ ° W., 50 lks. dist.,
 mkd. $\frac{1}{4}$ S 26 B T.

79.98 (39.99) The cor. of secs. 23, 24, 25 and 26, on N.
 bdy. of Papago Indian Reservation, previously
 described.

Land, nearly level.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 79.98 chs.

Mesquite and palo verde brush and cactus, 79.98 chs.

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

From the S. C. of secs. 34 and 35, I run
 N. 0° 20' W. on a true line bet. secs. 34 and 35, S. $\frac{1}{2}$.
 Desc. gradually over nearly level land, through
 scattered mesquite and palo verde and cactus.

37.80 Wash, 20 lks. wide, course N. 15° W.

40.06 The old $\frac{1}{4}$ cor. bet. secs. 34 and 35, which is a
 mesquite post 3 ins. sq., well set and plainly
 mkd. $\frac{1}{4}$ on W. face.

N. and alongside I set an iron post 1 in. dia.,
 stamped on cap

$\frac{1}{4}$ in N.
 S 34 in W.
 S 35 in E.
 1915 in S.

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

No suitable B. T.s

Land, nearly level.
 Soil, 2nd rate.
 Timber, scattered mesquite and palo verde, 40.06 chs.
 Mesquite and palo verde brush and cactus, 40.06 chs.

July 17, 1915. At this cor. I set off 21° 18' N. on
 the decl. arc, and at apparent noon observe the sun
 on the meridian. The resulting lat. is 32° 5'
 which is within 1' of the proper lat.

Thence N. 0° 43' W. on a true line bet. secs. 34 and 35,
 N. $\frac{1}{2}$.

Desc. gradually over nearly level land, through
 scattered mesquite, palo verde and cactus.

39.90 Road, brs. E. & W.

39.99 The proportional point for the cor. of secs. 26, 27,
 34 and 35.

Set an iron post 2 ins. dia., stamped on cap

T 15 S S 27 in NW.
 R 11 E S 26 in NE.
 S 35 in SE.
 S 34 in SW.
 1915 in S.

From which a

Mesquite 5 ins. dia., brs. N. 73 $\frac{1}{2}$ ° E., 309 lks. dist.,
 mkd. T 15 S R 11 E S 26 B T.

Mesquite 4 ins. dia., brs. N. 8 $\frac{1}{4}$ ° W., 122 lks. dist.,
 mkd. T 15 S R 11 E S 27 B T.

No other B. T.s available.

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains	<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, nearly level. Soil, 2nd rate. Timber, scattered mesquite and palo verde, 39.99 chs. Mesquite and palo verde brush and cactus, 39.99 chs.</p>	

	<p>Thence N. 89° 24' E. on a true line bet. secs. 26 and 35.</p> <p>Over nearly level land, sloping gently towards N., through scattered mesquite, palo verde and cactus.</p> <p>1.50 Road, brs. N. 89° E. and S. 89° W.</p> <p>34.30 Wash, 10 lks. wide, course N.</p> <p>37.30 Wash, 15 lks. wide, course N.</p> <p>40.20 The proportional dist. for the ¼ sec. cor. bet. secs. 26 and 35.</p> <p>Set an iron post 1 in. dia., stamped on cap</p> <p style="padding-left: 40px;">¼ in W. S 26 in N. S 35 1915 in S.</p> <p>From which a</p> <p>Palo verde 8 ins. dia., brs. S. 35¼° W., 215 lks. dist. mkd. ¼ S 35 B T.</p> <p>No other B. T. available.</p> <p>Dig pits 18 x 18 x 12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.</p>	
80.41	<p>The cor. of secs. 25, 26, 35 and 36, previously described.</p> <p>Land, nearly level. Soil, 2nd rate. Timber, scattered mesquite and palo verde, 80.41 chs. Mesquite and palo verde brush and cactus, 80.41 chs.</p>	

11.00 40.13	<p>Returning to the cor. of secs. 26, 27, 34 and 35, I run S. 89° 12' W. on a true line bet. secs. 27 and 34.</p> <p>Over nearly level land, sloping gently towards N., through scattered mesquite, palo verde and cactus.</p> <p>11.00 Wash, 20 lks. wide, course N.</p> <p>40.13 The proportional point for the ¼ sec. cor. bet. secs. 27 and 34.</p> <p>Set an iron post 1 in. dia., stamped on cap.</p>	

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

$\frac{1}{4}$ in W.
 S 27 in N.
 S 34 1915 in S.

From which a

Mesquite 6 ins. dia., brs. S. $19\frac{1}{2}^{\circ}$ E., 172 lks. dist.,
 mkd. $\frac{1}{4}$ S 34 B T.

Palo verde 5 ins. dia., brs. S. $73\frac{1}{2}^{\circ}$ E., 127 lks. dist.,
 mkd. $\frac{1}{4}$ S 34 B T.

80.20

(40.07) The reestablished cor. of secs. 27, 28, 33
 and 34, on W. bdy. of Papago Indian Reservation,
 previously described.

Land, nearly level.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 80.20 chs.

Mesquite and palo verde brush and cactus, 80.20 chs.

Returning to the cor. of secs. 26, 27, 34 and 35, I run

N. $0^{\circ} 28'$ W. on a true line bet. secs. 26 and 27.

Desc. gradually over nearly level land, through
 scattered mesquite, palo verde and cactus.

23.60

Wash, 10 lks. wide, course N. 15° E.

39.99

The proportional point for the $\frac{1}{4}$ sec. cor. of secs.
 26 and 27.

Set an iron post 1 in. dia. stamped on cap

$\frac{1}{4}$ in N.
 S 27 in W.
 S 26 in E.
 1915 in S.

From which a

Mesquite 4 ins. dia., brs. N. $5\frac{1}{4}^{\circ}$ E., 131 lks. dist.,
 mkd. $\frac{1}{4}$ S 26 B T.

Mesquite 10 ins. dia., brs. S. $50\frac{1}{2}^{\circ}$ W., 71 lks. dist.,
 mkd. $\frac{1}{4}$ S 27 B T.

79.99

(40.00) The cor. of secs. 22, 23, 26 and 27, on N.
 bdy. of Papago Indian Reservation, previously
 described.

Land, nearly level.

Soil, 2nd rate.

Timber, scattered mesquite and palo verde, 79.99 chs.

Mesquite and palo verde brush and cactus, 79.99 chs.

July 17, 1915.

Resurvey of Subdivision lines in T. 15 S., R. 11 E.

Chains

GENERAL DESCRIPTION.



The land in this frac. township is nearly level, sloping gently toward the N.

The soil is a sandy loam, 2nd rate, and if irrigated would be suitable for agriculture.

This frac. township is covered with scattered mesquite and palo verde timber, mesquite and palo verde brush, and numerous species of cacti.

There is very little grass, and no water of any kind.

The washes mentioned are merely deposits of sand washed down from the higher country and are almost level with the ground.

There are no settlers nor improvements within this frac. township.

Charles M. Leedy,

U. S. Surveyor.

Denver, Colo., *June 27-1916*

I hereby certify that the resurvey of subdivision lines in T. 15 S., R. 11 E., within the Papago Indian Reservation, Arizona, was made under my supervision and direction, and to the best of my knowledge and belief the field work was executed in strict accordance with instructions given me dated Oct. 6, 1914, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Dunnington

Topographer in Charge of
Indian Surveys.

FINAL OATH OF UNITED STATES SURVEYOR.

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 _____

For final oath of U. S. Surveyor, see Book "A" (3rd Standard Parallel N., through Rgs. 11, 12 and 13 E.)

_____ 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 _____ }



2988.

APPROVAL.

OFFICE OF THE COMMISSIONER OF THE GENERAL LAND OFFICE
~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL~~

Washington, D.C., May 5, 1921

The foregoing field notes of the ^{re} survey of _____ subdivision lines in T. 15 S., R. 11 E., within the Papago Indian Reservation, Arizona,

executed by Charles M. Leedy, U.S. Surveyor, under direction of A.F. Dunnington Topographer in Charge of Indian Surveys, Oct. 6, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) William Spry
~~U.S. Surveyor General~~
Commissioner of the General Land Office

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 15 S., R. 11 E., Arizona, has been correctly copied from the original notes on file in this office.

W. Spry
U.S. Surveyor General
Commissioner of the General Land Office