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1864
Book "F"

1864
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BOOK 1864

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONAL LINES OF

T. 32 N. R. 11 E.

1864

1864

Of the Gila and Salt River B. & Meridian,

AS SURVEYED BY

Philip Contzen, United States Deputy Surveyor,

Under his Contract No. 124, dated Dec. 12th, 1904, 189

Survey commenced May 24th, 1905, 189

Survey completed May 31st, 1905, 189

NAMES AND DUTIES OF ASSISTANTS.

W. J. Kengla, chairman

Fred Taylor, chairman

Arthur Pogue, moundman

Manuel Salazar, axeman

George A. Hawley, flagman

BOOK 1864

INDEX DIAGRAM.

Township 32 N, Range 11 E

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PRELIMINARY OATHS OF ASSISTANTS.

WE, W. S. Kengla and Fred Eagles

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

the subdivisional lines of T. 32 N. R. 11 E.

W. S. Kengla, Chainman.

Fred Eagles, Chainman.

Subscribed and sworn to before me this 20th
day of March, 1895

W. G. Power



WE, Arthur Pogue and -

do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

the subdivisional lines of T. 32 N. R. 11 E.

Arthur Pogue, Moundman.

_____, Moundman.

Subscribed and sworn to before me this 20th
day of March, 1895

W. G. Power



WE, Manuel Salazar and -

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

the subdivisional lines of T. 32 N. R. 11 E.

Manuel Salazar, Axman.

_____, Axman.

Subscribed and sworn to before me this 20th
day of March, 1895

W. G. Power



I, G. A. Hawley, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

the subdivisional lines of T. 32 N. R. 11 E.

G. A. Hawley, Flagman.

Subscribed and sworn to before me this 20th
day of March, 1895

W. G. Power



(1)

Subdivisions of T. 32 N., R. 11 E.

10

Chs.

Survey commenced May 24th, 1905, and executed with a Young and Sons Light Mountain Transit, with Solar attachment, No. 5607. 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 instrument was examined and tested on the Meridian at Phoenix, Arizona, by the Surveyor-General and duly approved.

I examine the adjustments of the instrument and find them satisfactory; then to test the solar apparatus by comparing its indications, resulting from solar observations made during a. m., and p. m. hours, with a meridian determined by observation on Polaris, I proceed as follows-

May 24th, 1905- At the cor. to secs. 1, 2, 35 and 36, on the South boundary of Tp. 32 N., R. 11 E., as heretofore described, at 4 hours, 35 minutes, p. m., l. m. t., by my watch, which has correct l. m. t., I set off $36^{\circ} 07' N.$, on the Lat arc; $20^{\circ} 48' N.$, on the decl arc and determine a meridian with the Solar, and mark a point thereof, on a stone set firmly in the ground, 5 chs. N. of the cor.

May 24th, 1905.

May 25th, 1905- At 3 hours, 12 minutes, a. m., l. m. t., I observe Polaris at eastern elongation, in accordance with the manual of surveying instructions, and mark a point on the line thus determined, on a plug driven in the ground, 5 chs. N. of the cor.

At 6 hours, 20 minutes, a. m., l. m. t., I lay off the azimuth of Polaris $1^{\circ} 29'$ to the WEST, and mark the meridian thus determined, by cutting a small groove in the stone set May 24th, on which the meridian falls, .20 ins., west of the mark determined with the Solar.

At 7 hours, 30 minutes, a. m., l. m. t., I set off $20^{\circ} 54' N.$, on the decl arc; $36^{\circ} 07' N.$, on the Lat. arc and determine a meridian with the Solar, and mark a point thereof on the stone set yesterday 5 chs. N. of the cor; this mark falls .26 ins., west of the meridian determined by the Polaris observation.

As a result of the above results or observations, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8 a. m. properly reduced is $14^{\circ} 28' E.$

I commence at the cor. to secs. 1, 2, 35 and 36, on the South boundary of the Tp. thence I run, N. $0^{\circ} 01' W.$, bet. secs. 35 and 36.

Over rolling land.

Ascending gradually.

40.00

Set a limestone, 18 x 6 x 12 ins., 12 ins., in the ground for $1/4$ sec. cor. marked $1/4$ on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 5 ft. dist. and raise a mound of earth, 3 $1/2$ ft. base, 1 $1/2$ ft. high, W. of the corner.

51.17

Road bears N. N. W. and S. S. E.

80.00

Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the cor. to secs. 26, 35 and 36, mkd. with 1 notch on the S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 $1/2$ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor.

Land rolling.

Soil sandy and gravelly; 3rd and 4th rate.

No timber.

Chs. EAST, on a random line, bet. secs. 25 and 36.
 40. Set temp. 1/4 sec. cor.
 80.04 Intersect the E. boundary of the Tp. 5 lks. N. of the cor. of secs. 25, 30, 31 and 36, as heretofore described.
 Thence I run,
 N. 89° 58' W., on a true line, bet. secs. 25 and 36.
 Over rolling land.
 5.00 Enter sage brush, brs. northerly and southerly.
 35.00 Leave sage brush bears easterly and westerly.
 40.02 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, N. of the corner.
 80.04 The cor. to secs. 25, 26, 35 and 36.
 Land rolling.
 Soil sandy; 3rd rate.
 No timber; undergrowth sage and canotillo.

N. 0° 01' W., bet. secs. 25 and 26.
 Over rolling land.
 40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
 80.00 Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the corner to secs. 23, 24, 25 and 26, mkd. with 2 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor.
 Land rolling.
 Soil sandy and gravelly; 3rd and 4th rate.
 No timber.

S. 89° 58' E., on a random line, bet. secs. 24 and 25.
 40. Set temp. 1/4 sec. cor.
 80.02 Intersect the E. boundary of the Tp. 3 lks. N. of the cor. to secs. 19, 24, 25 and 30, as heretofore described; thence I run,
 N. 89° 57' W., on a true line, bet. secs. 24 and 25.
 Over sand ridges, ascending.
 40.01 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
 48.00 Top of ascent, brs. N. E. and S. W.
 68.00 Begin gradual descent.
 80.02 The cor. to secs. 23, 24, 25 and 26.
 Land rolling.
 Soil sandy and 4th rate.
 No timber.

N. 0° 01' W., bet. secs. 23 and 24.
 Over gently rolling land over sand ridges.
 15.17 Road bears east-northeast and west-southwest.
 40.00 Set a limestone, 18 x 8 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
 80.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 13, 14, 23 and 24, mkd. with 3 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft.

Chs.	<p>dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land gently rolling. Soil sandy and 4th rate. No timber.</p>
40. 80.06	<p>S. 89° 57' E., on a random line, bet. secs. 13 and 24. Set temp. 1/4 sec. cor. Intersect the E. boundary of the Tp. 8 lks. S. of the corner of secs. 13, 18, 19 and 24, as heretofore described. Thence I run, WEST, on a true line, bet. secs. 13 and 24. Over rolling sand. Through sage and canotillo brush.</p>
40.03	<p>Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.</p>
80.06	<p>The corner to secs. 13, 14, 23 and 24. Land rolling. Soil sandy and 4th rate. No timber; undergrowth sage and canotillo brush.</p>
40.00	<p>N. 0° 01' W., bet. secs. 13 and 14. Over rolling land. Through sage and canotillo underbrush. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.</p>
80.00	<p>Set a limestone, 20 x 7 x 4 1/2 ins., 15 ins., in the ground for the cor. to secs. 11, 12, 13 and 14, mkd. with 4 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor. Land rolling. Soil sandy; 3rd and 4th rate. No timber; undergrowth sage and canotillo.</p>
40. 80.00	<p>EAST, on a random line, bet. secs. 12 and 13. Set temp. 1/4 sec. cor. Intersect the East boundary of the Tp. at 7 lks. S. of the cor. to secs. 7, 12, 13 and 13, as heretofore described. Thence I run, S. 89° 57' W., on a true line bet. secs. 12 and 13. Over sand ridges. Through sage and canotillo brush.</p>
40.00	<p>Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.</p>
80.00	<p>The corner to secs. 11, 12, 13 and 14. Land rolling. Soil sandy and 4th rate. No timber. Undergrowth sage and canotillo brush.</p>
40.00	<p>N. 0° 01' W., bet. secs. 11 and 12. Over rolling sand. Through sage and canotillo brush. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3</p>

Chs. ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
 80.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to secs. 1, 2, 11 and 12, mkd. with 5 notches on the S. and 1 notch on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.
 Land rolling.
 Soil sandy and 4th rate.
 No timber.

40.00 N. 89° 57' E., on a random line, bet. secs. 1 and 12.
 80.00 Set temp. 1/4 sec. cor.
 Intersect the east boundary of the Tp. at 3 lks. N. of the cor. to secs. 1, 6, 7 and 12, as heretofore described; thence I run,
 S. 89° 58' W., on a true line, bet. secs. 1 and 12.
 Over sand ridges.

40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.
 80.00 Thence over sand ledges and broken ridges of sandstone. The cor. to secs. 1, 2, 11 and 12.
 Land mountainous.
 Soil sandy and rocky; 4th rate.
 No timber.
 Mountainous land 80. chs.

N. 0° 01' W., on a true line, bet. secs. 1 and 2.
 Over sand ridges.

20.00 Leave sandstone and enter rolling sand.
 40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

80.02 Intersect the 8th Standard Parallel N., at a point from which the standard 1/4 sec. cor. of Sec. 35, as heretofore described, brs. W. 16.81 chs. dist.
 Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for closing cor. to secs. 1 and 2, mkd. C C T 32 N R 11 E on the S. with 1 groove on the E. and 5 grooves on the W. faces; dig pits, 24 x 18 x 12 ins., E. and W. crosswise on each line, 3 ft. dist. and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor.
 Land mountainous and rolling.
 Soil sandy and rocky; 4th rate.
 No timber.
 Mountainous land 20. chs.

May 25th, 1905.

May 26th, 1905- At the cor. to secs. 2, 3, 34 and 35 on the south boundary of the Tp, as heretofore described; at 7 hours, 6 minutes, a. m., 1. m. t. I set off 36° 07' N., on the Lat arc; 21° 06' N., on the decl arc and determine a meridian with the Solar. thence I run,

N. 0° 01' W., bet. secs. 34 and 35.
 Over gently rolling land.
 32.00 Begin steep ascent S. slope of sandridge.
 39.00 Top bears northeasterly and southwesterly, and descend
 40.00 Set a limestone, 20 x 8 x 4 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base,

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Subdivisions of T. 32 N., R. 11 E.

Chs. 80.00	<p>1 1/2 ft. high, W. of the cor. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to secs. 26, 27, 34 and 35, marked with 1 notch on the S. and 2 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling and mountainous. Soil sandy and 4th rate. No timber. Mts. land 7.00 chs.</p>
40. 80.04	<p>EAST, on a random line, bet. secs. 26 and 35. Set temp. 1/4 sec. cor. Intersect N. and S. line, 6 lks. N. of the cor. to secs. 25, 26, 35 and 36; thence I run, N. 89° 57' W., on a true line, bet. secs. 26 and 35. Over mountainous land ascending over sandstone ledges. Road brs. N. W. and S. E.</p>
31.00 40.02	<p>Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.</p>
50.00 57.00 80.04	<p>Leave sandstone ledges. Top bears N. E. and S. W. and begin gradual descent. The cor. to secs. 26, 27, 34 and 35. Land mountainous and rolling. Soil sandy and rocky; 4th rate. No timber. Mts. land 50. chs.</p>
14.00 40.00	<p>N. 0° 01' W., bet. secs. 26 and 27. Over gently rolling land. Sandstone butte bears about 12 chs. E. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.</p>
57.88 80.00	<p>Road bears easterly and westerly. Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the cor. to secs. 22, 23, 26 and 27, mkd. with 2 notches on the S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land gently rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber.</p>
	<p>May 26th, 1905.</p>
40. 80.04	<p>May 27th, 1905- At the corner to secs. 22, 23, 26 and 27, just previously described, at 7 hours, 35 minutes, a. m., l. m. t., I set off 21° 16' N., on the decl. arc and 36° 09' N., on the lat. arc and determine a meridian with the Solar; thence I run, S. 89° 57' E., on a random line, bet. secs. 23 and 26. Set temp. 1/4 sec. cor. Intersect the N. and S. line, 8 lks. S. of the cor. to secs. 23, 24, 25 and 26; thence I run, WEST, on a true line, bet. secs. 23 and 26. Over gently rolling land.</p>
22.00 40.02	<p>Road bears N. E. and S. W. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2</p>

Chs. 80.04	ft. high, N. of the corner. The cor. of secs. 22, 23, 26 and 27. Land gently rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber.
40.00	N. 0° 01' W., bet. secs. 22 and 23. Over rolling land. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
80.00 OK	Set a limestone, 19 x 7 x 4 1/2 ins., 15 ins., in the ground for the cor. to secs. 14, 15, 22 and 23, marked with 3 notches on the S. and 2 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor. Land gently rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber.
40.00	EAST, on a random line, bet. secs. 14 and 23. Set temp. 1/4 sec. cor.
80.00	Intersect the N. and S. line, at the cor. to secs. 13, 14, 23 and 24; thence I run, WEST, on a true line, bet. secs. 14 and 23. Over gently rolling land.
40.00	Set a limestone, 18 x 8 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.
80.00	The cor. to secs. 14, 15, 22 and 23. Land gently rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber.
40.00	N. 0° 01' W., bet. secs. 14 and 15. Over sandstone ridges. Set a limestone, 17 x 8 x 4 ins., 11 ins., in the ground, for 1/4 sec. cor., mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 10, 11, 14 and 15, mkd. with 4 notches on the S. and 2 notches on the E. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land mountainous. Soil rocky; 4th rate. No timber. Mts. land 80. chs.
40.	EAST, on a random line, bet. secs. 11 and 14. Set temp. 1/4 sec. cor.
80.02	Intersect the N. and S. line, at 10 lks. N. of the cor. to secs. 11, 12, 13 and 14; thence I run, N. 89° 56' W., on a true line, bet. secs. 11 and 14. Over sandstone ridges.
40.01	Set a limestone, 18 x 8 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.

Chs.	NOTE- At this 1/4 sec. cor. at 12 O'clock noon, I set off 21° 17' N., on the decl. arc and observe the Sun on the Meridian; the resulting latitude is 36° 11' N. ✓
80.02	The cor. to secs. 10, 11, 14 and 15. Land mountainous. Soil sandy and rocky; 4th rate. No timber. Mts. land 80.02 chs.

	N. 0° 01' W., bet. secs. 10 and 11. Over sand ridges.
33.00	Leave sand; thence over rolling masses of sandstone.
40.00	The corner pt. for cor. falls on ledge of sandstone, set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground, for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable.
80.00	Pt. for cor. falls on blanket ledge of sandstone, set a limestone, 20 x 7 x 5 ins., in a mound of stone, mkd. with 5 notches on the S. and 2 notches on the E. edges; for the cor. to secs. 2, 3, 10 and 11, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable. Land mountainous. Soil sandy and rocky; 4th rate. No timber. Mts. land 80. chs.

	S. 89° 56' E., on a random line, bet. secs. 2 and 11.
40.	Set temp. 1/4 sec. cor.
80.05	Intersect the N. and S. line, 5 lks. S. of the cor. to secs. 1, 2, 11 and 12; thence I run, N. 89° 58' W., on a true line, bet. secs. 2 and 11. Over sandstone ridges.
40.025	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor. Leave sandstone; thence over rolling heaps of sand.
80.05	The cor. to secs. 2, 3, 10 and 11. Land mountainous and rolling. Soil sand and rocks; 4th rate. No timber. Mts. land; 40. chs.

	N. 0° 01' W., on a true line, bet. secs. 2 and 3. Over sandstone ledges.
40.00	Pt. for 1/4 cor. falls on ledge of sandstone, Set a limestone, 18 x 7 x 5 ins., 8 ins., in the ground (impracticable to set further in ledge), for 1/4 cor. surrounded by a mound of stones and mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable.
42.20	Road from Tuba to Red Lake, brs. northeasterly and southwesterly.
80.04	Intersect the 8th Standard Parallel North, at a pt. from which the Stand. 1/4 Sec. Cor. to Sec. 34, T. 33 N R 11 E brs. W. 16.80 chs. dist., Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for closing corner to secs. 2 and 3, mkd. C C T 32 N R 11 E on the S, with 2 grooves on E. and 4 grooves on W. faces; dig pits, 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. dist.

Chs.	<p>and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor. Land broken and rolling. Soil sandy and rocky; 4th rate. No timber. May 27th, 1905.</p> <hr/> <p>May 28th, 1905- At the cor. to secs. 3, 4, 33 and 34, on the south boundary of the township, as heretofore described, I set off 36° 08' N., on the Lat. arc; 21° 26' N., on the decl arc; and at 8 a. m., l. m. t. determine a meridian with the Solar; thence I run, N. 0° 02' W., bet. secs. 33 and 34. Over level bottom land.</p>
.62	Descend.
2.10	Foot, ^{Moose Lake} branch, 30 lks. wide, course northwesterly and ascend.
2.57	Top, road brs. N. W. and S. E.
2.70	Wire fence bears E. and W.
3.30	Wire fence bears E. N. E. W. N. W.
3.50	Cottonwood tree, on line, 18 ins., in diam. mkd. with 2 notches on the E. and W. sides.
3.70	Wire fence bears E. N. E. W. N. W. and enter cornfield.
14.50	Leave corn-field.
15.70	Leave Moencopie Valley and ascend vertical 200 ft. Top of bluff brs. N. E. and S. W. thence ascend.
30.00	Top brs. easterly and westerly and descend.
33.00	Foot, and begin steep ascent of S. slope of sandstone ridge.
37.00	Top of ridge and descend N. slope.
40.00	Pt. for cor. falls on blanket ledge of sandstone, set a limestone, 18 x 6 x 5 ins., in a mound of stone impracticable to set in ground, for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pit: impracticable.
67.00	Foot, and enter Tanner Canon, course S. W.
69.00	Tanner Creek, 15 lks. wide, course south-westerly.
70.80	Road bears northeast and southwest.
80.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for the cor. to secs. 27, 28, 33 and 34, mkd. with 1 notch on the S. and 3 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land mountainous and level. Soil sandy loam; gravelly and rocky; 1st, 2nd and 4th rate. Timber, a few cottonwoods in valley. Mts. land, 52.00 chs.
40.	EAST, on a random line, bet. secs. 27 and 34. Set temp. 1/4 sec. cor.
80.06	Intersect the N. and S. line, at the cor. to secs. 26, 27, 34 and 35; thence I run, WEST, on a true line, bet. secs. 27 and 34. Over gently rolling land.
1.00	Road bears northwesterly and southeasterly.
40.03	Set a limestone, 19 x 7 x 5 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
74.00	Tanner Creek, 20 lks. wide, course S. W.
77.10	Road bears northeasterly and southwesterly.
80.06	The cor. to secs. 27, 28, 33 and 34. Land gently rolling and level. Soil, sandy loam and gravelly; 2nd and 3rd rate. No timber.

(9)

Subdivisions of T 32 N., R. 11 E.

(Continued).

chs.	N. 0° 02' W., bet. secs. 27 and 28. Over mountainous land ascending through Tanner Canon. Top, brs. easterly and westerly.
10.00	
18.00	Begin steep descent.
33.00	Foot, and enter Tanner Canon, course south-easterly.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
52.90	Tanner Creek, 25 lks. wide, course southeasterly
54.00	Road bears E. and W.
64.05	Wire fence bears E. N. E. and W. S. W.
70.27	Old stone house, brs. about 10 chs. E.
74.43	Wire fence bears N. W. and S. E., and leave Tanner canon and begin ascent over sand banks.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 21, 22, 27 and 28, mkd. with 2 notches on the S. and 3 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor. Land mountainous, level and rolling. Soil, sandy loam and rocky, 1st, 2nd and 4th rate. No timber. Mts. land 30. chs.

	EAST, on a random line, bet. secs. 22 and 27.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect the N. and S. line, 9 lks. S. of the cor. to secs. 22, 23, 26 and 27 thence I run, S. 89° 56' W., on a true line, bet. secs. 22 and 27. Over gently rolling land.
40.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., N. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high. N. of the corner.
75.00	Indian wickiup, brs. 4 chs. N.
76.00	Begin steep rocky descent toward Tanner Canon.
80.00	The cor. to secs. 21, 22, 27 and 28. Land rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber.

	N. 0° 02' W., bet. secs. 21 and 22. Over Mts. land ascending.
4.00	Top of sandstone cliff, brs. easterly and westerly; thence over gently rolling land.
40.00	On a blanket ledge of sandstone. Set a limestone, 20 x 7 x 5 ins., in a mound of stones, for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. and begin steep descent. Pits impracticable.
44.00	Foot, and enter Tanner Canon, course southerly.
45.28	Wire fence brs. N. N. E. and S. S. W.
50.90	Tanner Creek, 20 lks. wide, course southwesterly.
55.00	Leave canon.
56.24	Wire fence brs. N. N. E. and S. S. W.
59.00	Smith's house, brs. 8.00 chs. E.
61.10	Road brs. N. W. and S. E.
77.00	Road brs. easterly and westerly.
80.00	Set a limestone, 18 x 6 x 5 ins. ^{12 ins. in ground} for the cor. to secs. 15, 16, 21 and 22, mkd. T 32 N on the N E R 11 E on the S E. faces; with 3 notches on the

	<p>S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a md. of earth, 4 ft. base, 2 ft. high, W. of the cor. Land rolling, level and mountainous. Soil sandy and gravelly; 2nd and 4th rate. No timber. Mts. land 8.00 chs.</p>
40.00	<p>N. 89° 56' E., on a random line, bet. secs. 15 and 22. Set temp. 1/4 sec. cor. Intersect N. and S. line, 10 lks. N. of the cor. to secs. 14, 15, 22 and 23; thence I run, WEST, on a true line, bet. secs. 15 and 22. Over gently rolling land.</p>
30.00	<p>Enter sandstone ledges and broken ridges.</p>
40.00	<p>The point for 1/4 sec. cor. falls on a ledge of sandstone, set a limestone, 18 x 6 x 5 ins., in a mound of stone, (impract. to set in ground) for 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high, N. of the cor. Pits impracticable.</p>
67.90	<p>Road brs. N. E. and S. W.</p>
70.00	<p>Enter reservoir, brs. N. W. and S. E.</p>
73.00	<p>Leave reservoir.</p>
80.00	<p>The cor. to secs. 15, 16, 21 and 22. Land mountainous and rolling. Soil sandy and rocky; 4th rate. No timber. Mts. land 50.00 chs.</p>
40.00	<p>N. 0° 02' W., bet. secs. 15 and 16. Over sandstone ledges. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Pits impracticable.</p>
44.00	<p>Leave sandstone and begin steep ascent of S. slope of sand ridge; through sage underbrush.</p>
75.00	<p>Top of ridge bears northeasterly and southwesterly.</p>
80.00	<p>Set a limestone, 20 x 6 x 5 ins., 15 ins., in the ground for the cor. to secs. 9, 10, 15 and 16, mkd. with 4 notches on the S. and 3 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling and mountainous. Soil sandy and rocky; 4th rate. No timber. Undergrowth sage brush. Mts. or land covered with undergrowth; 36.00 chs.</p>
40.00	<p>EAST, on a random line, bet. secs. 10 and 15. Set temp. 1/4 sec. cor.</p>
79.94	<p>Intersect the N. and S. line, 12 lks. S. of the cor. to secs. 10, 11, 14 and 15; thence I run, S. 89° 55' W., on a true line, bet. secs. 10 and 15. Over sand ridges.</p>
10.00	<p>Leave sand; thence over rough and broken masses of sandstone.</p>
38.00	<p>Sandstone chimney, 30 ft. in diameter, 50 ft. high, brs. 40 lks. N.</p>
39.97	<p>On a blanket ledge of decomposed sandstone, set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground, for 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.</p>
46.60	<p>Enter Tanner Canon, and des. abruptly, 60. ft.</p>

Chs.
 47.00 Foot and enter canon, course S. W.
 48.00 Tanner Creek, 10 lks. wide, course southwesterly.
 49.00 Enter Peach orchard.
 51.50 Leave orchard.
 52.00 Wire fence bears N. and S. and leave canon and begin ascent of E. slope of sand ridge.
 60.00 Top of ridge bears N. E. and S. W.; thence *descend* over rolling heaps of sand.
 79.94 The cor. to secs. 9, 10, 15 and 16.
 Land mountainous.
 Soil sandy and rocky; 4th rate.
 Timber a few cottonwoods in canon.
 Mts. land 79.94 chs.

May 28th, 1905.

May 29th, 1905. At the cor. to secs. 9, 10, 15 and 16, as heretofore described I set off $36^{\circ} 11' N.$, on the lat. arc; $21^{\circ} 35' N.$, on the decl. arc, and at 7 hours, 3 minutes, a. m., 1. m. t., determine a meridian with the Solar; thence I run, N. $0^{\circ} 02' W.$, bet. secs. 9 and 10.

Over rolling sand through sage brush.

40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.

Leave sand and sage brush; thence over broken ridges of sandstone.

80.00 Set a limestone, 19 x 7 x 4 1/2 ins., 15 ins., in the ground for the cor. to secs. 3, 4, 9 and 10, mkd. with 5 notches on the S. and 3 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec., 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.

Land mountainous and rolling.

Soil sandy and rocky; 4th rate.

No timber.

Undergrowth sage brush.

N. $89^{\circ} 55' E.$, on a random line, bet. secs. 3 and 10.

40. Set temp. 1/4 sec. cor.

80.08 Intersect the N. and S. line, at 5 lks. N. of the cor. to secs. 2, 3, 10 and 11; thence I run,

S. $89^{\circ} 57' W.$, on a true line bet. secs. 3 and 10.

Over broken sandstone ridges.

16.15 Left bank of Tanner Canon and descend abruptly 80 ft.

17.00 Foot, and enter canon course southwesterly.

17.50 Tanner Creek, 10 lks. wide, course southwesterly.

18.00 Begin steep ascent of right bank of canon.

21.50 Top, thence over tumbled masses of sandstone.

40.04 The cor. pt. falls on a ledge of sandstone, set a limestone, 18 x 6 x 5 ins., in a mound of stone, for 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner.

Pits impracticable.

80.08 The cor. to secs. 3, 4, 9 and 10.

Land mountainous.

Soil rocky and 4th rate.

No timber.

Mts. land 80.08 chs.

N. $0^{\circ} 02' W.$, on a true line, bet. secs. 3 and 4.

Over rolling sandstone.

9.15 Road to Red Lake, brs. northeasterly and southwesterly.

40.00 Set a limestone, 20 x 8 x 4 1/2 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; and

Chs. 79.98
~~78.98~~

raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor.

Pits impracticable.

Intersect the Eight Standard Parallel N., at a point from which the Stand. 1/4 sec. cor. to sec. 33, T. 32 N., R. 11 E., brs. W. 16. 70 chs. dist.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for closing cor. to secs. 3 and 4, mkd. C C T 32 N R 11 E on the S. with 3 grooves on the E. and W. faces; dig pits, 24 x 18 x 12 ins., crosswise on each line, 3 ft. and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor.

Land rolling.

Soil sandy and rocky; 4th rate.

No timber.

May 29th, 1905.

May 30th, 1905-At the cor. to secs. 4, 5, 32 and 33, on the south boundary of the township, as heretofore described, I set off 36° 07' N., on the Lat. arc; 21° 45' N., on the Decl. arc and determine a meridian with the solar, at 7 hours, 35 minutes, a. m.

Thence I run,

N. 0° 03' W., bet. secs. 32 and 33.

From Cor. pt. in reservoir, over level bottom land.

Wire fence bears northwesterly and southeasterly.

Irrigating ditch, 10 lks. wide, course southwesterly.

Road brs. northeasterly and southwesterly.

Road bears northeasterly and southwesterly.

Leave Moencopie Valley brs. easterly and westerly and ascen sandstone cliff, vertical 220 ft.

Top of mesa brs. easterly and westerly.

Moqui Indian Village brs. S. 60° E., about 1/2 mile distant.

Set a limestone, 20 x 10 x 4 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

Grave yard brs. about 10.00 chs. E.

Enter dense canotillo brs. easterly and westerly.

Spring branch, 5 lks. wide, course southeasterly.

Road brs. N. W. and S. E.

Set a limestone, 20 x 16 x 8 ins., 15 ins., in the ground for the cor. to secs. 28, 29, 32 and 33, mkd. with 1 notch on the S. and 4 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.

Land level and mountainous.

Soil sandy loam; gravelly and rocky, 1st 3rd and 4th rate.

No timber.

Undergrowth, canotillo and sage brush.

Mts. or land covered with undergrowth, 30.50 chs.

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

Set temp. 1/4 sec. cor.

Intersect the N. and S. line, 18 lks. N. of the cor. to secs. 27, 28, 33 and 34; thence I run,

N. 89° 52' W., on a true line, bet. secs. 28 and 33.

Over rolling land.

Set a limestone, 18 x 10 x 4 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.

Enter sage and canotillo brush brs. northerly and southerly.

1.50
5.50
7.00
15.61
22.00
31.00
36.56
40.00
54.00
60.00
66.90
78.50
80.00

40.
80.10

40.05

46.00

(13)

Subdivisions of T 32 N R 11 E.

(Continued)

Chs. 80.10	The cor. to secs. 28, 29, 32 and 33. Land rolling. Soil gravelly; 3rd and 4th rate. No timber.
14.00	N. 0° 03' W., bet. secs. 28 and 29 Over rolling land through sage and canotillo brush. Leave undergrowth, brs. northeasterly and southwesterly.
38.61	Road brs. N. W. and S. E.
40.00	Set a limestone, 18 x 8 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
52.20	Algerts store brs. about 9.00 chs. W.
55.20	Road brs. easterly and westerly.
62.70	Road brs. easterly and westerly.
76.22	Wire fence bears easterly and westerly.
80.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the cor. to secs. 20, 21, 28 and 29, marked with 2 notches on the S. and 4 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec., 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor. Land rolling. Soil sandy and gravelly; 2nd and 3rd rate. No timber. Undergrowth; sage and canotillo brush.
40.	S. 89° 52' E., on a random line, bet. secs. 21 and 28.
80.06	Set temp. 1/4 sec. cor. Enter Tanner Canon Valley, brs. N. and S. N. 89° 50' W., on a true line, bet. secs. 21 and 28. Wire fence, bears N. N. W. and S. S. E.
3.29	Tanner Creek, 8 lks. wide, course southerly.
9.70	Wire fence bears northwesterly and southeasterly.
16.75	Leave canon, brs. northwesterly and southeasterly and ascend over sand dunes.
19.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
40.03	Begin steep ascent.
47.00	Top of ridge bears N. and S.
52.00	Descend, steeply.
53.90	Foot; thence along gently rolling land.
59.00	Wire fence brs. N. and S.
61.50	The cor. to secs. 20, 21, 28 and 29.
80.06	Land rolling, mountainous and level. Soil, sandy loam and gravelly; 2nd, 3rd and 4th rate. No timber. Mts. land; 34.00 chs.
	N. 0° 03' W., bet. secs. 20 and 21. Over rolling land.
21.50	Irrigating ditch, 10 lks. wide, course S. S. E.
28.53	Wire fence brs. easterly and westerly and enter reservoir.
35.00	Leave reservoir and ascend.
40.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base,

Chs.	1 1/2 ft. high, W. of the cor.
47.00	Stone house, brs. about 30 chs. W.
60.40	Road brs. easterly and westerly.
69.00	Top, thence over rough sandstone ledges.
73.00	Leave ledges.
80.00	Set a limestone, 20 x 9 x 5 ins., 15 ins., in the ground for the cor. to secs. 16, 17, 20 and 21, mkd. with 3 notches on the S. and 4 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a md. of earth, 4 ft. base, 2 ft. high, W. of the cor.
	Land rolling and mountainous.
	Soil sandy and rocky; 4th rate.
	No timber.
	Undergrowth sage brush.
	Mts. or land covered with undergrowth; 41.00 chs.
	NOTE- At this cor. at 12 O'clock Noon, I set off 21° 46' N., and observe the Sun on the Meridian the resulting latitude is 36° 10' N.
	S. 89° 50' E., on a random line, bet. secs. 16 and 21.
40.	Set temp. 1/4 sec. cor.
79.96	Intersect the N. and S. line, at 14 lks. S. of the cor. to secs. 15, 16, 21 and 22.
	Thence I run,
	N. 89° 56' W., on a true line, bet. secs. 16 and 21.
	Over mountainous land ascending.
6.60	Road bears northerly and southerly.
12.50	Top of sandstone ridge brs. northerly and southerly and descend through underbrush.
39.98	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
45.00	Foot, thence over gently rolling land.
79.96	The cor. to secs. 16, 17, 20 and 21.
	Land mountainous and gently rolling.
	Soil sandy and 4th rate.
	No timber.
	Undergrowth; sage and canotillo.
	Mts. or land covered with undergrowth; 79.96 chs.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over rolling land through sage brush.
1.00	Road bears N. E. and S. W.
40.00	Set a limestone, 18 x 6 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
46.15	Road bears northeasterly and southwesterly.
76.00	Leave sage bears easterly and westerly.
80.00	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for the cor. to secs. 8, 9, 16 and 17, mkd. with 4 notches on the S. and E. edges; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
	Land rolling.
	Soil sandy and rocky; 4th rate.
	No timber.
	Undergrowth sage; 76.00 chs.
	S. 89° 56' E., on a random line, bet. secs. 9 and 16.
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect the N. and S. line, 5 lks. S. of the cor. to secs. 9, 10, 15 and 16; thence I run,
	N. 89° 58' W., on a true line, bet. secs. 9 and 16.

(15)

Subdivisions of T. 32 N., R. 11 E.

(Continued).

Chs.	Over broken rolling bodies of solid sandstone.
23.00	Road brs. N. and S.
40.07	The point for 1/4 sec. cor. falls on a blanket ledge of sandstone in place, set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner.
64.00	Road brs. N. E. and S. W.
80.14	The cor. to secs. 8, 9, 16 and 17. Land mountainous. Soil rocky and 4th rate. Mountainous land; 80.14 chs. No timber.

	N. 0° 03' W., bet. secs. 8 and 9.
40.00	Over rolling sand and sandstone ledges. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
80.00	The point for the cor. to secs. 4, 5, 8 and 9, falls on a blanket ledge of sandstone, set a limestone, 20 x 9 x 5 ins., in a mound of stones, for sec. cor. mkd. with 5 notches on the S. and 4 notches on the E. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Land rolling and broken. Soil sandy and rocky; 4th rate. No timber.

40.	S. 89° 58' E., on a random line, bet. secs. 4 and 9.
80.00	Set temp. 1/4 sec. cor. Intersect the N. and S. line, 10 lks. S. of the cor. to secs. 3, 4, 9 and 10. Thence I run, S. 89° 58' W., on a true line, bet. secs. 4 and 9.
7.20	Over sandstone ledges.
15.00	Road to Red Lake, brs. N. E. and S. W.
40.00	Leave sandstone and enter sage brush. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable.
80.00	The cor. to secs. 4, 5, 8 and 9. Land rolling. Soil sandy and rocky; 4th rate. No timber; undergrowth sage brush.

	N. 0° 03' W., on a true line, bet. secs. 4 and 5.
5.00	Over flat sandstones.
38.00	Leave sandstone and enter sage brush.
40.00	Leave sage and enter sandstones. The point for the 1/4 sec. cor. falls on a blanket ledge of sandstones, set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
74.00	Leave sandstones and re-enter sage brush.
80.02	Intersect the Eighth Standard Parallel North, at a point from which the stand. 1/4 sec. cor. to sec. 32, T. 33 N., R. 11 E., brs. W. 16.95 chs. dist., Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for closing cor. to secs. 5 and 4, mkd. C C on the S. with 4 grooves on the E., and 2 groove on the W. faces; dig pits, 24 x 18 x 12 ins., crosswise

Chs.	on each line, E. and W. 3 ft. and S. of stone, 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the cor. Land mountainous and rolling. Soil sandy and rocky; 4th rate. No timber. Undergrowth sage. Mountainous or land covered with undergrowth 75.00 chs.
	May 30, 1905.

	May 31st, 1905- At the cor. to secs. 5, 6, 31 and 32 on the South boundary of the township, as heretofore described, I set off 36° 07' N., on the Lat. arc; 21° 54' N., on the decl arc; and at 8 a. m., 1. m. t., determine a meridian with the Solar; thence I run, N. 0° 03' W., bet. secs. 31 and 32. Over level bottom land. Through sage brush. Cabin, brs. 7 chs. W.
6.00	
6.15	Left Bank of Meancopie Wash, brs. easterly and westerly, and leave sage brush.
8.00	Right bank of Meancopie Wash. 75 lks. wide
8.37	Irrigating ditch 8 lks. wide, course southwesterly.
17.30	Stable; wire fence brs. N. N. E. and S. S. W., and enter alfalfa field.
27.25	Road, to Moqui Village, brs. N. N. W. and S. S. E.
28.80	Road to Tuba City, brs. easterly and westerly.
29.00	Lee's house, brs. about 10. chs. E.
34.00	Leave valley and begin steep ascent.
40.00	The point for 1/4 sec. cor. falls on steep slope of spur of mesa.
43.00	Ascend vertical 100 ft.; top brs. easterly and westerly, and ascend.
50.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for witness corner to the 1/4 sec. cor., mkd. W C 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
53.00	Begin steep ascent.
63.00	Top, brs. easterly and westerly; thence over rolling sand.
78.00	Enter sage brush, brs. easterly and westerly.
80.00	Set a limestone, 20 x 8 x 4 ins., 15 ins., in them ground for the cor. to secs. 29, 30, 31 and 32, mkd. with 1 notch on the S. and 5 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land level, mountainous and rolling. Soil sandy and rocky; 1st, 2nd, and 4th rate. No timber; undergrowth sage brush. Mountainous or land covered with undergrowth 37.15 chs.

40.	EAST, on a random line, bet. secs. 29 and 32.
80.08	Set temp. 1/4 sec. cor. Intersect N. and S. line, 10 lks. S. of the cor. to secs. 28, 29, 32 and 33. Thence I run, S. 89° 56' W., on a true line, bet. secs. 29 and 32. Over rolling land. Through sage brush.
.97	Road to Tuba City, brs. N. westerly and S. easterly.

(17)

Subdivisions of T. 32 N., R. 11 E.

(Continued).

Chs. 40.04	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
41.35	Road brs. northwesterly and southeasterly.
59.06	Road bears northwesterly and southeasterly,
80.08	The cor. to secs. 29, 30, 31 and 32. Land rolling. Soil sandy; 4th rate. No timber; undergrowth sage.
40. 78.37	WEST, on a random line, bet. secs. 30 and 31. Set temp. 1/4 sec. cor. Intersect the W. boundary of the Tp. 4 lk. N. of the cor. to secs. 25, 30, 31 and 36, as heretofore described. Thence I run, N. 89° 58' E., on a true line, bet. secs. 30 and 31. Over rolling land. Through sage brush.
38.37	Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
46.70	Spring on line.
78.37	The cor. of secs. 29, 30, 31 and 32. Land gently rolling. Soil sandy and gravelly; 3rd. and 4th rate. No timber; undergrowth sage brush.
40.00	N. 0° 03' W., bet. secs. 29 and 30. Over rolling land. Through sage brush. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
43.85	Road to Tuba City, brs. easterly and westerly.
80.00	Set a limestone, 20 x 14 x 12 ins., 15 ins., in the ground for the cor. to secs. 19, 20, 29 and 30. marked with 2 notches on the S. and 5 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy; 4th rate. No timber; undergrowth sage brush.
40. 80.00	N. 89° 56' E., on a random line, bet. secs. 20 & 29. Set temp. 1/4 sec. cor. Intersect N. and S. line, 9 lks. N. of the cor. to secs. 20, 21, 28 and 29. Thence I run, WEST, on a true line, bet. secs. 20 and 29. Over gently rolling land. Through sage and canotillo brush.
13.00	Leave sage brush, brs. easterly and westerly.
19.00	Road, brs. northerly and southerly.
29.18	Wire fence bears N. and S.
32.57	Wire fence bears N. and S.
40.00	Set a limestone, 24 x 12 x 4 ins., 18 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; whence, A Cottonwood, 18 ins., in diam. brs. N. 6° W.,

Chs.	188 lks. dist. mkd. 1/4 S. 20 B. T. No other trees within limits; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
42.00	Adobe house brs. 2 chs. N.
42.57	Road brs. northwesterly and southeasterly.
43.79	Middle of Main Street of Tuba City, brs. N. and S.
44.48	Wire fence brs. N. and S.
44.70	Powell's house, brs. 1.20 chs. N.
45.00	Lee's house, brs. 1.50 chs. S.
47.78	Powell's house brs. 2.00 chs. N.; Allgert's store brs. about 12.00 chs. S.
49.52	Wire fence brs. N. and S.
51.00	Road, brs. N. and S.
53.00	Enter dense sage brush, brs. northerly and southerly.
80.00	The cor. to secs. 19, 20, 29 and 30. Land gently rolling. Soil sandy and gravelly; 1st, 2nd, and 4th rate. Timber a few cottonwoods in street; undergrowth, sage and canotillo brush.
	<hr/> S. 89° 58' W., on a random line, bet. secs. 19 and 30.
40.	Set temp. 1/4 sec. cor.
78.30	Intersect the W. boundary of the Tp. at 3 lks. N. of the cor. to secs. 19, 24, 25 and 30, as heretofore described. Thence I run, N. 89° 57' E., on a true line, bet. secs. 19 and 30. Over rolling land.
38.30	Set a limestone, 20 x 8 x 4 1/2 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
78.30	The corner of secs. 19, 20, 29 and 30. Land rolling. Soil sandy; 4th rate. Timber, scattering hackberry.
	<hr/> N. 0° 03' W., bet. secs. 19 and 20. Over rolling land. Through sage brush.
7.00	Spring, brs. 20 lks. E.
27.00	Leave sage brush, and begin steep ascent.
30.00	Top, bears easterly and westerly.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
40.15	Road brs. easterly and westerly.
62.00	Enter sage brush, brs. easterly and westerly.
80.00	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to sections, 17, 18, 19 and 20, mkd. with 3 notches on the S. and 5 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil sandy; 4th rate. No timber. Undergrowth; sage and canotillo.
	<hr/> EAST, on a random line, bet. secs. 17 and 20.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect the N. and S. line, 5 lks. S. of the cor.

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Subdivisions of T. 32 N., R. 11 E.

Continued.

Chs.	of secs. 16, 17, 20 and 21, Thence I run, S. 89° 58' W., on a true line, bet. secs. 17 and 20. Over rolling land. Through sage brush. Road brs. N. E. and S. W. Leave sage. Road brs. S. E. W. and N. N. E. Set a limestone, 20 x 8 x 5 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner. The cor. to secs. 17, 18, 19 and 20. Land rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber. Undergrowth sage.
1.02	
6.00	
23.80	
40.02	
80.04	
40.00	S. 89° 57' W., on a random line, bet. secs. 18 and 19. Set temp. 1/4 sec. cor.
78.20	Intersect the W. boundary of the Tp. 6 lks. S. of the cor. to secs. 13, 18, 19 and 24; thence I run, EAST, on a true line, bet. secs. 18 and 19. Over rolling land. Through sage brush.
58.20	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
59.80	Road brs. northwesterly and southeasterly.
59.00	Road brs. northwesterly and southeasterly.
78.20	The cor. to secs. 17, 18, 19 and 20. Land rolling. Soil sandy and 4th rate. No timber; undergrowth sage brush.
40.00	N. 0° 03' W., bet. secs. 17 and 18. Over rough and broken sandstone. The point for the 1/4 cor. falls on a ledge of sandstone, set a limestone, 20 x 7 x 5 ins., in a mound of stones, for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.
60.00	Leave sandstone; thence over sand dunes.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to secs. 7, 8, 17 and 18. mkd. with 4 notches on the S. and 5 notches on the E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land mountainous and rolling. Soil sandy and rocky; 4th rate. No timber. Mountainous land; 60.00 chs.
40.	N. 89° 58' E., on a random line, bet. secs. 8 and 17. Set temp. 1/4 sec. cor.
80.06	Intersect the N. and S. line, 10 lks. N. of the corner to secs. 8, 9, 16 and 17; thence I run, N. 89° 58' W., on a true line, bet. secs. 8 and 17. Over broken ridges of solid sandstone.
38.00	Leave sandstone; thence over rolling land through sage brush.
40.03	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3ft.

Chs.
80.06 dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.
The cor. of secs. 7, 8, 17 and 18.
Land mountainous and rolling.
Soil sandy and rocky; 4th rate.
No timber.
Undergrowth: sage.

40.00 WEST, on a random line, bet. secs. 7 and 18.
78.15 Set temp. 1/4 sec. cor.
Intersect the W. boundary of the Tp. at 7 lks. S. of the corner to secs. 7, 12, 13 and 18.
Thence I run,
S. 89° 57' E., on a true line, bet. secs. 7 and 18.
Over broken sandstone ridges and ledges.
38.15 The point for 1/4 sec. cor falls on a blanket ledge of sandstone, set a limestone, 18 x 6 x 5 ins., in a mound of stones, for the 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of the cor.
Pits impracticable.
54.00 Leave sandstone ridges; thence over rolling sand.
78.15 The cor. of secs. 7, 8, 17 and 18.
Land mountainous and rolling.
Soil sandy and rocky; 4th rate.
No timber.
Mountainous land, 54.00 chs.

23.00 N. 0° 03' W., bet. secs. 7 and 8.
Over sand ridges.
Through sage brush.
26.00 Leave sand and dense sage; begin steep ascent of S. slope of rocky ridge.
Top bears easterly and westerly.
Descend.
30.00 Foot, and re-enter sage brush.
40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
43.00 Leave sage brush brs. easterly and westerly.
80.00 Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the cor. to secs. 5, 6, 7 and 8, mkd. with 5 notches on the S. and E. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.
Land rolling and mountainous.
Soil sandy and rocky; 4th rate.
No timber.
Undergrowth: sage brush.
Mountainous or land covered with sage brush; 43.00 chs.

40.00 S. 89° 58' E., on a random line, bet. secs. 5 and 8.
79.96 Set temp. 1/4 sec. cor.
Intersect the N. and S. line, 5 lks. S. of the corner to secs. 4, 5, 8 and 9.
Thence I run,
WEST, on a true line, bet. secs. 5 and 8.
Over rolling land.
Through sage brush.
32.00 Leave sage bears easterly and westerly.
39.96 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner.
Pits impracticable.

Chs. 79.96

Leave sandstone and re-enter sage brush. The cor. to secs. 5, 6, 7 and 8. Land rolling and mountainous. Soil sandy and rocky; 4th rate. No timber. Mountainous or land covered with undergrowth; 79.96 Chs.

40. 78.04

N. 89° 57' W., on a random line, bet. secs. 6 and 7. Set temp. 1/4 sec. cor. Intersect the W. boundary of the Tp. at 8 lks. N. of the cor. to secs. 1, 6, 7 and 12 as heretofore described.

Thence I run, EAST, on a true line, bet. secs. 6 and 7. Over rolling land.

38.04

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner.

78.04

The cor. to secs. 5, 6, 7 and 8. Land rolling. Soil sandy; 4th rate. No timber.

N. 0° 03' W., bet. secs. 5 and 6. Over rolling land.

40.00

Set a limestone, 19 x 6 1/2 x 5 ins., 15 ins., in the ground, for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.

79.96

Intersect the 8th. Standard Parallel North, at a pt. from which the Standard 1/4 Sec. Cor. of Sec. 31, T 33 N R 10 E, bears WEST 16.90 chs. dist.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the closing cor. to secs. 5 and 6, mkd. C C on the S, with 5 grooves on the E. and 1 groove on the W. faces; dig pits, 24 x 18 x 12 ins., crosswise on each line, E. and W. 3 ft. and S. of stone, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, S. of the corner. Land rolling. Soil sandy; 4th rate. No timber.

May 31st, 1905.

GENERAL DESCRIPTION.

This township consists, principally, of a sandy desert, traversed by numerous sand ridges and rocky ledges; there is, however, some good farming land under cultivation along Tanner Canon, which runs, centrally, from north to south; also, along the Moencopie Wash, which runs westerly along the south bdy. of the Tp.

Within the City of Tuba, which was originally established by Mormons, but now occupied by the Government for Indian purposes, there are many Indian families, who are living on small tracts, or fields which are irrigated by springs.

The original white settlers have nearly all left the country and disposed of their holdings to the Indians or to the Government.

The Brinkerhoff et. al. farms, near the S. W. cor. of the Tp. are now owned by the Government and are used for agency purposes.

There is no timber within this township excepting a few cottonwoods along the Moencopie Wash, Tanner Creek, and within the settlement of Tuba.

There is quite a large Indian settlement in Sec 33.

A number of Navajo Indians have small farms along the Moencopie Wash, where they raise corn, beans and melons.

The total agricultural land within this Tp. aggregates about two sections.

NOTE.

In surveying this township, I made a protracted and diligent search, for corners that were alleged to have been established by Deputy Charles von. Erxleben. I found one corner (stone) which I judge was an Indian Allotment Corner, established under the direction of Special Agent Mc Laughlin, marked "X1" on the S. face. This cor. is located at a point 55.43 chs. N. of the cor. of secs. 4, 5, 32 and 33 on the South Boundary of the Tp.

The reasons for my not finding any Indian Allotment Corners, I believe is due to the fact, that the same were never established, or if they were they must have been destroyed by the Indians or perhaps by white settlers. They may be covered up, as sandstorms of great violence frequent this locality.

May 31-1905

Philip Couzner
U. S. Deputy Surveyor.

LIST OF NAMES.

A list of the names of the individuals employed by Philip Conyers

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the
subdivisional lines of T. 32 N. R. 11 E
showing the respective capacities in which they acted:

W. Skengla....., Chairman.

Fred Tagles....., Chairman.

Arthur Pogue....., Moundman.

....., Moundman.

Mmanuel Salazar....., Axman.

....., Axman.

G. A. Hawley....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Philip Conyers

....., United States Deputy Surveyor, in surveying all those parts or portions of the subdivisional lines of
T. 32 N. R. 11 E

..... of the Gila
and Salt River meridian, Arizona of....., which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for Arizona

W. Skengla....., Chairman.

Fred Tagles....., Chairman.

....., Moundman.

Arthur Pogue....., Moundman.

....., Axman.

Mmanuel Salazar....., Axman.

G. A. Hawley....., Flagman.

Subscribed and sworn to before me this 10th
day of June, 1895

W. G. Power



132 24
BOOK 1864

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Philip Cortzen, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 12th day of December, 1894, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisional lines of T 32 N. R 11 E

of the Gila & Salt-River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Philip Cortzen
United States Deputy Surveyor.

Subscribed by said Philip Cortzen, and sworn to before me }
this 16th day of June, 1895

Frank S. Ingalls
U. S. Surveyor General
for Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ar., July 26th 1905

The foregoing field notes of the survey of the subdivisional lines of T 32 N R 10 E of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by Philip Cortzen, U. S. deputy Surveyor under his contract No. 124, dated December 12th 1904, 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. Ingalls
United States 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.~~

~~United States Surveyor General~~