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1913.

FIELD NOTES

OF THE SURVEY OF THE BOOK 1913

SUBDIVISIONS
of
T 9 S. R 32 E.

and
RESURVEY OF THE

NORTH & WEST BOUNDARIES
of
T 9 S. R 32 E.

1913

Of the GILA & SALT RIVER BASE & Meridian,

AS SURVEYED BY

CASIMIRO R. BARTHELEMY, United States Deputy Surveyor,

Under his Contract No. 139, dated APRIL 14, 1906., 190

Survey commenced OCTOBER 4th. 1906., 190

Survey completed OCTOBER 16 th. 1906., 190

NAMES AND DUTIES OF ASSISTANTS.

----- JOHN M. TRAYER, Chairman.

----- B. F. ARNOLD, Chairman.

----- H. S. PHILLIPS, Moundman.

----- T. G. WALKER, Axeman.
WALTER

----- CHARLES MEADMORE, FLAGMAN.

BOOK 1913

INDEX DIAGRAM.

Township 9 South, Range 32 East

| | | | | | | | | | |
|---|----|----|----|----|----|----|----|----|----|
| | 4 | | 4 | | 5 | | 6 | | |
| 2 | 6 | 10 | 5 | 13 | 4 | 19 | 8 | 2 | 1 |
| | 10 | | 13 | | 19 | | 19 | | |
| 2 | 7 | 9 | 8 | 13 | 9 | 18 | 10 | 11 | 12 |
| | 9 | | 12 | | 17 | | 18 | | |
| 2 | 18 | 9 | 17 | 12 | 16 | 17 | 15 | 14 | 13 |
| | 8 | | 12 | | 16 | | 17 | | |
| 3 | 19 | 8 | 20 | 11 | 21 | 16 | 22 | 23 | 24 |
| | 8 | | 11 | | 15 | | 15 | | |
| 3 | 30 | 7 | 29 | 11 | 28 | 15 | 27 | 26 | 25 |
| | 7 | | 10 | | 14 | | 14 | | |
| 3 | 31 | 6 | 32 | 10 | 33 | 14 | 34 | 35 | 36 |

Meanders Page

591C

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 1913

WE, John M. Trayer and B. F. Arnold
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon 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 Subdivision lines of Tp. 9 S., R. 32 E.

John M. Trayer, Chainman.
B. F. Arnold, Chainman.

Subscribed and sworn to before me this 2nd
day of October, 1906



H. G. Power

Notary Public, Pima County, Arizona
My Commission Expires April 23, 1911

WE, J. H. S. Phillips 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 ^{me} us, to the best of ^{my} our skill and ability, in the survey of Subdivision lines of Tp. 9 S., R. 32 E.

J. H. S. Phillips, Moundman.
Moundman.

Subscribed and sworn to before me this 2nd
day of October, 1906



H. G. Power

Notary Public, Pima County, Arizona
My Commission Expires April 23, 1911

WE, J. G. Walter 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 ^{me} us, to the best of ^{my} our skill and ability, in the survey of Subdivision lines of Tp. 9 S., R. 32 E.

J. G. Walter, Axman.
Axman.

Subscribed and sworn to before me this 2nd
day of October, 1906



H. G. Power

Notary Public, Pima County, Arizona
My Commission Expires April 23, 1911

I, Charles Meadmore, 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 Subdivision lines of Tp. 9 S., R. 32 E.

Charles Meadmore, Flagman.

Subscribed and sworn to before me this 2nd
day of October, 1906



H. G. Power

Notary Public, Pima County, Arizona
My Commission Expires April 23, 1911

BOOK 1913

INDEX DIAGRAM.

Township _____, Range _____

| | | | | | |
|----|----|----|----|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

Meanders Page _____

551D

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 1913

WE, John M. Trayer and B. F. Arnold
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon 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 N and W. Bdy of Tp. 9 S., R. 32 E.

John M. Trayer, Chainman.
B. F. Arnold, Chainman.

Subscribed and sworn to before me this 2nd
day of October, 1906



W. G. Power

WE, J. A. S. Phillips 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 ^{me} ~~us~~, to the best of ^{my} ~~our~~ skill and ability, in the ^{re} ~~re~~ survey of N and W. Bdy of Tp. 9 S., R. 32 E.

J. A. S. Phillips, Moundman.
Moundman.

Subscribed and sworn to before me this 2nd
day of October, 1906



W. G. Power

WE, J. G. Walter 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 ^{me} ~~us~~, to the best of ^{my} ~~our~~ skill and ability, in the ^{re} ~~re~~ survey of N and W. Bdy of Tp. 9 S., R. 32 E.

J. G. Walter, Axman.
Axman.

Subscribed and sworn to before me this 2nd
day of October, 1906



W. G. Power

I, Charles Meadmore, 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 ^{re} ~~re~~ survey of N and W. Bdy of Tp. 9 S., R. 32 E.

Charles Meadmore, Flagman.

Subscribed and sworn to before me this 2nd
day of October, 1906



W. G. Power

| Chs. | |
|--------|---|
| | <p>Returning to the corner of Tps. 9 and 10 S., Rs. 31 and 32 E., recently re-established by me, I proceed to test the alignment and position of the WEST Boundary of the Tp.</p> <p>Oct. 4th, 1906- Survey executed with a W. & L. E. Gurley Light Mountain Transit No. 1000 B with solar attachment, two plate verniers reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.</p> <p>I examine the adjustments of the instrument and find them satisfactory; then, to test the Solar apparatus by p. m. and a. m. observations on the Sun checked with an observation on Polaris.</p> <p>At the cor. of Tps. 9 and 10 S., Rs. 31 and 32 E., at 2 hours, 41 minutes, p. m., l. m. t., I set off $32^{\circ} 36' N.$, on the Lat. arc., $04^{\circ} 14' S.$, on the decl. arc, and determine a meridian with the Solar, marking a point thereof on a stone firmly set 5 chs. N. of the corner.</p> <p style="text-align: right;">Oct. 4th, 1906.</p> |
| | <p>-----</p> <p>Oct. 4th 1906- At 06 hours, 30 mins., p. m., l. m. t., by my watch which has correct l. m. t., I observe Polaris at Eastern Elongation, in accordance with instructions found in the Manual and mark a point thereof on a plug firmly set in the ground 5 chs. N. of my station.</p> |
| | <p>Oct. 5- At 7 a. m., l. m. t., I lay off the azimuth of Polaris $1^{\circ} 25'$ to the west, and mark the meridian thus determined by cutting a groove in the stone set yesterday, on which the meridian falls .4 ins. east of the mark determined by the solar.</p> <p>At 7 hs. 15 mins., a. m., l. m. t., I set off $32^{\circ} 36' N.$, on the Lat. arc; $04^{\circ} 28' S.$, on the decl. arc and determine a meridian with the Solar, which mer. falls .2 ins., east of the meridian determined by observation on Polaris.</p> <p>The solar apparatus defines by p. m., and a. m., observations a meridian practically coincident with Polaris meridian, hence I conclude that the adjustments of the instrument are satisfactory.</p> <p>The magnetic bearing of the true meridian at 7 h. 35m a. m., properly reduced is $12^{\circ} 30' E.$</p> <p>-----</p> |
| | <p>From the Tp. corner just mentioned, I run North on a random line on the west boundary of Tp. 9 S., R. 32 E.,</p> |
| 39.95 | Delapidated mound of stones 15 lks. W. |
| 80.25 | Mound of stones, and volcanic rock, with 5 grooves on N. 1 on the S. lying on the ground. |
| 128.00 | A volcanic rock, 14 x 12 x 8 ins., surrounded by a mound of stones 28 lks. W. marked 1/4. |
| 160.25 | Decayed post lying on the ground with marked obliterated. |
| 195.80 | A Volcanic rock, loosely set, mkd. 1/4 20 lks. E. |
| 239.73 | A volcanic rock, 10 x 9 x 8 ins., loosely set, with 3 grooves on N. and S. edges bears 10 lks. E. |
| 280.10 | A rock set in a mound of stones 14 lks. W. no marks. |
| 319.65 | A rock, loosely set in the ground with 2 grooves on N. and 4 grooves on S. edges, 12 lks. W. |
| 360.30 | A rock in a delapidated mound of stones mkd. 1/4 15 lks. E. |
| 439.90 | A rock mkd. 1/4 in a mound of stones 16 lks. E. |
| 480. | Could find no trace of cor. of secs. 1, 6, 7 and 12. |
| | An old 2 x 2 inch stake, with roman numerals, surrounded by a faint mound of earth, with marks partly obliterated. |
| | The corner of Tps. 8 and 9 S., Rs. 31 and 32 E. |
| | I re-establish this corner in the same place as follows- |
| | Set a malpais stone, 28 x 16 x 16 ins., 21 ins., in the ground for the cor. to Tps., 8 and 9 S., Rs. 31 and 32 E., marked with 6 grooves on the N. E. S. and W. edges, 31 E., on the N. W. S., on the N. E. S. 32 E., on the S. E. and 9 S., on the S. W. and raise a mound of stones, 4 ft. base, 2 ft. high, S. of the corner. Pits impracticable. |
| | Oct. 5th, 1906. |

| | |
|-------|--|
| | Oct. 6th, 1906. At the corner to Tps. 8 and 9 S., Rs. 31 and 32 E., just re-established by me, at 7 hs. 50' a. m., 1. m. t. I set off $52^{\circ} 41' \frac{1}{2}''$, on the Decl. arc; $94^{\circ} 53' \frac{1}{2}''$, on the decl. arc and determine a meridian with the Solar. |
| | Thence South on a true line, re-establishing the west boundary of the Township, inasmuch as the corners are poorly set, delapidated, lost or out of alignment and position. |
| 15.00 | Over level land through greasebrush. |
| 17.00 | Leave brush bearing N. E. |
| 21.65 | Dry wash, 10 lks. wide, course N. E. |
| 28.40 | Dry wash, 10 lks. wide course N E |
| 40.00 | Dry wash 30 lks. wide course easterly. |
| | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on the W. face, and raise a mound of stones 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of the corner. Pits impracticable. |
| 46.90 | Dry wash, 30 lks. wide, course N. E. |
| 65.50 | Dry wash, 10 lks. wide, course N. E. |
| 73.00 | Dry wash, 10 lks. wide, course E. |
| 80.00 | Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for the corner to sections, 1, 6, 7 and 12, mkd. with 1 groove on the N. and 5 grooves on the S. edges dug 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 the corner. |
| | Land level and gently rolling. |
| | Soil sandy loam gravelly and stony; 2nd, 3rd and 4th rate. No timber. Undergrowth greasewood. |
| | ----- |
| | South bet. secs. 7 and 12. |
| | Over level land. |
| 22.70 | Dry wash, 20 lks. wide, course E. N. E. |
| 39.20 | Dry wash, 10 lks. wide, course N. E. |
| 40.00 | Set a malpais stone, 18 x 10 x 7 ins., 12 ins., in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of the corner. |
| 67.00 | Enter dense greasewood. |
| 76.00 | Leave dense greasewood brush bearing to the N. E. and ascend. |
| 79.00 | Ridge bearing E. and W. and descend. |
| 80.00 | Set a volcanic stone, 18 x 10 x 8 ins., 12 ins., in the ground for the corner to secs. 7, 12, 13 and 18, mkd. with 2 grooves on the N. and 4 grooves on the S. edges, with a mound of stones, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of the corner. Pits impracticable. |
| | Land level and gently rolling. |
| | Soil sandy loam gravelly and stony, 2nd 3rd and 4th rate. No timber undergrowth greasewood. |
| | ----- |
| | South bet. secs. 13 and 18. |
| | Over rolling land descending. |
| 5.00 | Foot of gentle slope to the N. E. |
| 7.20 | Dry wash, 15 lks. wide, course N. E. ascend. |
| 20.00 | Top bears E. and W. |
| 29.00 | Descend. |
| 36.00 | Foot bearing E. and W. thence over level land. |
| 40.00 | Set a malpais stone, 21 x 8 x 8 ins., 16 ins., in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on the W. face; dug pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of the corner. |
| 42.05 | Road course N. E. |
| 48.50 | Dry wash, 25 lks. wide, course E. |
| 62.03 | Dry wash, 25 lks. wide, course E. |
| 64.20 | Dry wash, 40 lks. wide, course N. E. |
| 66.70 | Dry wash, 40 lks. wide, course N. E. |
| 70.50 | Ascend. |

| | |
|-------|--|
| Chs. | |
| 77.40 | Ridge bearing E. and W. and descend. |
| 79.00 | Foot E. and W. |
| 80.00 | Set a malpais stone, 18 x 14 x 12 ins., 12 ins., in the ground for the corner to secs. 13, 18, 19 and 24, marked with 3 grooves on the N. and S. edges, with a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land rolling and level. Soil sandy loam. Soil stony; 2nd, 3rd and 4th rate. |
| | ----- |
| | South bet. secs. 19 and 24. |
| | Over level land. |
| 10.15 | Dry wash, 15 lks. wide, course N. W. and ascend. |
| 22.05 | Ridge bearing E. and W. and descend. |
| 26.60 | Dry wash, 20 lks. wide, course N. E. |
| 32.65 | Ridge bears E. and W. and descend. |
| 39.50 | Dry wash, 40 lks. wide, course E. and ascend. |
| 40.00 | Set a volcanic stone, 18 x 10 x 7 ins., 12 ins., in the ground for 1/4 sec. cor. marked 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. |
| 42.00 | Enter dense greasewood bearing E. and W. |
| 46.00 | Top bears E. and W. |
| 59.00 | Begin steep descent. |
| 62.00 | Enter draw bearing E. leave undergrowth. |
| 74. | Leave draw and ascend. |
| 80.00 | Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for the corner to sections 19, 24, 25 and 30, marked with 2 grooves on the S. and 4 grooves on the N. edges, and raise a mound of earth 4 ft. base, 2 ft. high, W. of the corner. Dug pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. Land rolling and level. Soil sandy and gravelly; 3rd and 4th rate. No timber. Underbrush greasewood and yucca. Dense underbrush, 20.00 chains. |
| | ----- |
| | South bet. secs. 25 and 30. |
| | Over rolling land. |
| 2.00 | Enter dense brush bearing E. and W. |
| 23.10 | Descend abruptly 40 feet. |
| 23.40 | Enter dry wash, course E. |
| 27.70 | Leave wash and ascend. |
| 32.00 | Top bearing N. E. |
| 40.00 | Set a malpais stone 20 x 14 x 8 ins., 15 ins., in the ground for 1/4 sec. cor. marked 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. |
| 55.00 | Descend to the N. E. |
| 58.40 | Dry wash, 2.00 chains wide, course N. E. and ascend. |
| 65.00 | Top bearing N. E. and descend. |
| 77.10 | Dry wash, 10 lks. wide, course N. E. |
| 80.00 | Set a malpais stone, 21 x 12 x 10 ins., 16 ins., in the ground for the corner to sections 25, 30, 31 and 36, marked with 5 grooves on the N. and 1 groove on the S. 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 level. Soil sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood, tesotilla and yucca. Dense underbrush- 50.70 chains. |
| | ----- |
| | South bet. secs. 31 and 36. |
| | Descending gradually. |
| 8.20 | Dry wash, 15 lks. wide, course N. E. |
| 10.00 | Begin steep ascent. |
| 33.70 | Top and descend. |
| 40. | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the |

Chs. ground for 1/4 sec. cor. marked 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 impract.
 49.00 Dry wash, 15 lks. wide, course N. E.
 62.00 Ridge bears E. and W. and descend.
 80.00 The corner to Tps. 9 and 10 S., Rs. 31 and 32 E., previously re-established by me.

Oct, 6th, 1906.

 Re-survey of the North boundary of Tp. 9 S., R. 32 E.

Oct. 7th, 1906- I return to the corner of Tps. 8 and 9 S., Rs. 31 and 32, and proceed to test the alignment and position of the North boundary of this Tp.

At 7hours, 18 mins., a. m., l. m. t., by my watch which has correct l. m. t., I set off 32° 41' N., on the Lat. Arc. 05° 15' S., on the decl arc and determine a meridian with the Solar, thence I run, EAST bet. secs. 6 and 31.

Over level land through greasewood brush.
 17.00 Leave brush bearing N. E.
 24.20 Dry wash, 15 lks. wide, course N. E.
 36.90 Dry wash 10 lks. wide, course N. E.
 40.00 Find no traces of old 1/4 Sec. cor. Set temp. stake.
 56.20 Dry wash, 60 lks. wide, course N. E.
 68.30 Road bears N. and S.
 80.20 Fall, 10 lks. N. of old sec. cor. and undersized stone with proper grooves in a delapidated mound of stones.

I reset this corner in the original place by setting a malpais stone, 18 x 8 x 8 ins., 12 ins., in the ground for the corner to sections 5, 6, 31 and 32, marked with 1 groove on the W. and 5 grooves on the E. edges; dug 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.

The course of this line bet. secs. 6 and 31 being S. 89° 56' E., I return to the temp. stake previously set by me at 40. chain point, and on a course S. 89° 56' E., from the Tp. Corner, 40.10 chs. dist. I establish 1/4 sec. cor. bet. secs. 6 and 31 as follows-

Set a malpia stone, 18 x 8 x 6 ins., 12 ins., in the ground marked 1/4 on the N. face; dug 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.

Land level.
 Soil gumbo and sandy, 2nd, 3rd and 4th rate.
 No timber.
 Brush greasewood.

 From the corner of sections 5, 6, 31 and 32, I run, EAST, on a true line bet. secs. 5 and 32.

Over level land.
 2.50 Dry wash, 15 lks. wide, course N. E.
 5.90 Road bears N. and S.
 10.42 Dry wash, 15 lks. wide, course N. E.
 15.40 Dry wash, 15 lks. wide, course N. E.
 17.00 Ranch house 20. chs. N.
 20.06 Intersect fence bearing N. and S. Cor. of fence bears 46 lks. S.
 36.66 Wire fence bears N. and S.
 37.80 Dry wash, 15 lks. wide, course N.
 38.00 Ranch house 25 Chs. N.
 39.80 Ranch house 30. chs. N.
 40.00 Find no traces of old 1/4 sec. cor.
 Set a stake on line.
 40.20 Wire fence bears N. and S.
 43.00 Ranch house 30. chs. N.
 46.12 Middle of irrigating canal, 20 lks. wide, 2 ft. deep, course

| chs. | |
|-------|--|
| | N. N. W.; thence westerly. |
| 56.00 | Wire fence bears N. E. and S. W. |
| 56.40 | Ditch 8 lks. wide, course N. E. and enter lane. |
| 56.50 | Shed 2.00 chs. S. |
| 57.30 | D. E. Wilkins house 170 lks. S. |
| 70.40 | Telegraph line N. W. |
| 71.28 | Single track of the Arizona and New Mexico R. R. course N. W. |
| | Leave lane. |
| 72.00 | George Gale's ranch house bears 10. chs. N. |
| | Enter road bearing E. and W. |
| 79.00 | Bridge across R. R. wash, 80 lks. long. |
| 80.49 | Fall 25 lks. of corner point of secs. 4, 5, 32 and 33, which point falls in road, on the south end of a small bridge over an irrigating ditch course N. This corner point was given me by several settlers, who had buried a large boulder to mark the point where the old sec. corner stood. I verified this point by running a line South 80.00 chains from the corner of sections 28, 29, 32 and 33 of Tp. 8 S., R. 32 E. |
| | From the corner point, a corner of fences bears N. 48 lks. and S. 38 lks. dist. |
| | As the township line E. and W. of this point is traversed by a wagon road E. and W. and not suitable for the constructions of a witness corner to perpetuate the corner point within the allowable limits, I offset North 80 links from cor. point and establish a witness corner to the corner of sections 4, 5, 32 and 33, as follows. |
| | Set a malpais stone, 18 x 12 x 9 ins., 12 ins., in the ground, with 2 grooves on the W. and 4 grooves on the E. edges, and W. C. on the S. edge, dug 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. |
| | I then return to the point previously set by me, 40. chains E. of the corner of secs. 5, 6, 31 and 32, and on a course S. 89° 49' E., from the corner of said sections 40. 25 chs. dist. I establish 1/4 sec. cor. bet. secs. 5 and 32 as follows- |
| | A malpais stone, 18 x 8 x 8 ins., 12 ins., in the ground marked 1/4 on the N. face; and raised a md. of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner Land level and gently rolling. Pits impracticable. Soil clay and sandy, 2nd and 4th rate. No timber. |
| | Oct., 7th, 1906. |
| | At the corner point of secs. 4, 5, 32 and 33, ^{Oct.} July 8th, at 7 hours, 19 mins., a. m., l. m. t., I set off 32° 41' N. on the decl. arc 05° 38' S., on the Lat. arc and determine a meridian with the Solar, thence I run, EAST, bet. secs. 4 and 33. |
| | Over level land in County road. |
| 19.25 | Irrigating Ditch 19 lks. N. |
| 23.00 | Ranch house 10. chs. N. |
| 34.00 | Ranch house 12.00 chs. N. |
| 38.70 | Franklin School House 120 lks. N. |
| 39.60 | Irrigating Ditch 8 lks. N. |
| 40.06 | In road. This point was indicated to me by old settlers as the point where the old 1/4 sec. cor. stood, and was perpetuated by a boulder. The old 1/4 sec. cor. having been originally a stake 2 x 2 ins., 2 ft. long. |
| | Inasmuch as a well traveled road runs east and west from the 1/4 sec. cor. point beyond the allowable limits for establishing a witness corner on line, I offset 66 lks. N. where I establish a witness 1/4 sec. cor. to secs. 4 and 33 as follows- |
| | A malpais stone, 20 x 8 x 5 ins., set 15 ins., in the ground marked 1/4 on the N. face, and W. C. on S. face, dug 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. |

BOOK 1913

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| Chs. | Whence, |
| | A Cottonwood, 5 ins., in diam. bears S. 55° 30' W., 180 lks. dist. |
| 55.06 | From corner point In road, EAST, bet. secs. 4 and 33. David Campbell's Ranch house bears 30. chs. S. |
| 73.32 | Frame house 120 lks. N. |
| 74.60 | Granary 3.00 chs. N. |
| 79.20 | River boulder buried in road 8 lks. S. which was pointed out to me by two old settlers, a Thos. Nations, and the Fee Moyeras the place where the old sec. cor. a post, formerly erected and stood. |
| 79.50 | As it is impossible to establish a corner at this point on account of road I continue my line East, and at Leave road and set A malpais stone, 18 x 14 x 8 ins., 12 ins., in the ground for witness corner to the corner of sections 3, 4, 33 and 34, marked with 3 grooves on the E. and W. edges, and W. C. on the W. Dug 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. Course of line bet. secs. 4 and 33 last 1/2 mile, S. 89° 57' E. Land level. Soil sandy and gumbo, 3rd and 4th rate. No timber. |
| | ----- |
| | From cor. point to secs. 33, 34, 3 and 4, I run East, bet. secs. 3 and 34. Over level land. |
| .30 | Witness Corner and leave road. |
| .46 | Wire fence running N. and S. |
| 1.60 | Thos Nations house 4. chs. N. |
| 19.20 | J. D. Hughes house 40 lks. N. |
| 28.70 | William Gales house 26.00 chs. S. |
| 39.69 | Fall 4 lks. S. of old 1/4 sec. cor. to secs. 3 and 34, and old post and marked stone at intersections of 4 wire fences. Reset corner at same point as follows- A malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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, 2 ft. high, N. of the corner. |
| 40. | Reuben Gales house 20. chs. S. |
| 55. 40 | Left bank of Gila River running N. 20° 22' W., and S. 20° 22' E. At this point, I set Witness corner to the closing corner of Fract. Tps. 8 and 9 S., R. 32 E., as follows A malpais stone, 24 x 14 x 12 ins., 18 ins., in the ground marked with 4 grooves and W. C. C. C. ARIZ. on the W, 6 grooves on the N. and S. and N. M. on the E. faces, dug pits, 30 x 24 x 12 ins., Crosswise on each line, N. and S. 4 ft. dist. and west of stone 8 ft. dist. and raise a mound of earth 5 ft. base 2 1/2 ft. high, W. of the corner. Thence In River Bed. |
| 78.00 | D. Elledges' house bears 6 chs. S. |
| 79.70 | Intersect the Arizona and New Mexico Territorial Boundary line at a point 20.96 chs. S. of the 297 Mile Monument. This point falls on Right Bank of the Gila River, subject to overflow, hence the necessity for establishment of the witness corner. Land level. Soil sandy loam, 1st, and 2nd rate. Timber cottonwood and willow in River bottom. Oct., 8th, 1906. |
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| | SUBDIVISIONAL LINES OF FRACT. Tp. 9 S., R. 32 E. Oct., 9th, 1906- At 7 a. m., 1. m. t., 5, 6, 31 and 32, on the South boundary of the Tp., I set off 32° 36' N., on the Lat. Arc; 36° 01' S., on the decl. arc and determine a meridian with the Solar; thence I run, N. 0° 01' E., on a true line, bet. secs. 31 and 32. Over gently rolling land. |
| 15.00 | Enter dense brush bearing N. E. |

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| Chs. | |
| 16.60 | Dry wash, 20 lks. wide, course N. E. |
| 22.40 | Dry wash, 20 lks. wide, course E. |
| 37.75 | Dry wash, 15 lks. wide, course E. |
| 40.00 | Set a malpais stone, 18 x 6 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 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. |
| 46.42 | Dry wash, 15 lks. wide, course E. |
| 54.80 | Dry wash, 15 lks. wide, course E. |
| 57.90 | Dry wash, 15 lks. wide, course E. |
| 75.00 | Leave dense brush, E. and W. and over level land. |
| 80.00 | Set a malpais stone, 20 x 12 x 12 ins., 15 ins., in the ground for the corner to sections, 29, 30, 31 and 32, marked with, 1 groove on the S. and 5 grooves 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 gently rolling and level. Soil gravelly and stony; 3rd and 4th rate. No timber; Undergrowth greasewood, tesotilla, yucca and cacti. Dense undergrowth, 60.00 chains. |
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| 40. | WEST, on a random line bet. secs. 30 and 31. |
| 80.40 | Set temp. 1/4 sec. cor. Intersect the W. boundary of the Tp. at a point 42 lks. N. of the corner to sections, 25, 30, 31 and 36, previously described by me. Thence I run, N. 89° 42' E., on a true line bet. secs. 30 and 31. 11. Over rolling land through dense greasewood. |
| 12.20 | Enter dry wash course East. |
| 23.00 | Leave dry wash, course N. E. |
| 35.30 | Dry wash, 10 lks. wide, course N. E. |
| 40.20 | Set a malpais stone, 18 x 12 x 10 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. |
| 53.70 | Draw, 120 lks. wide course N E. |
| 65.95 | Dry wash, 20 lks. wide, course N. E. |
| 69.05 | Over level land. |
| 75.00 | Leave dense brush, N. and S. |
| 80.40 | The corner to sections, 29, 30, 31 and 32. Land rolling and level. Soil sandy loam, gravelly and stony, 3rd and 4th rate. No timber. Undergrowth, greasewood, yucca, tesotilla, pal seco and cactus. Dense undergrowth, 75.00 chains. At 12 O'Clock noon, at this corner, by my watch, which has correct local mean time, I observe the Sun on the Meridian, by setting off 06° 07' S., on the decl. arc, the resulting latitude is 32° 37' N. |
| | ----- |
| | N. 0° 01' E., bet. secs. 29 and 30. Over level land. |
| 10.00 | Ascend slope, E. and W. |
| 14.30 | top of ridge bears E. and W. and descend. |
| 18.00 | Foot; thence over gently rolling land. |
| 33.50 | Dry wash, 10 lks. wide, course N. E. |
| 34.10 | Land becomes very level. |
| 40.00 | Set a malpais stone 21 x 6 x 6 ins., 16 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face, dug 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. |
| 44.55 | Dry wash, 10 lks. wide, course N. E. |
| 70.70 | Dry wash, 25 lks. wide, course E. and ascend over stony ground. |
| 80.00 | Set a malpais stone, 21 x 8 x 8 ins., 16 ins., in the ground for the corner to sections, 19, 20, 29 and 30, marked with 2 grooves on the S. and 5 grooves on the E. edges, and raise a mound of stones 2 ft. base, 1 1/2 ft. |

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| Chs. | high, W. of the corner. Pits impracticable. Land level. and rolling. Soil sandy loam, gravelly and stony, 2nd, 3rd and 4th rate. No timber. Undergrowth scattering greasewood and yucca. |
| 40. | S. 89° 42' W., on a random line bet. secs. 19 and 30. Set temp. 1/4 sec. cor. |
| 80.20 | Intersect the West boundary of the Tp. at a point 02 lks. S. of the corner to sections 19, 24, 25 and 30, Thence I run, N. 89° 43' E., on a true line, bet. secs. 19 and 30. Over rolling land through dense greasewood. |
| 40.10 | Set a malpai stone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, & raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. |
| 66.00 | Leave dense brush course N. E. |
| 80.20 | The corner of sections, 19, 20, 29 and 30. Land rolling. Soil gravelly and stony, 3 rd and 4th rate. No timber. Undergrowth, greasewood, yucca and palo santo. Dense undergrowth 66.00 chains. |
| | N. 0° 01' E., bet. secs. 19 and 20. Ascending. |
| 7.10 | Ridge bears E. and W. and descend. |
| 11.00 | Foot, bears E. and W; thence over level land. |
| 11.65 | Dry wash, 10 lks. wide, course N. E. |
| 20.90 | Drywash, 10 lks. wide, course N. E. |
| 40.00 | Set a malpai stone, 20 x 8 x 6 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dug 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. |
| 49.50 | Dry wash, 30 lks. wide, course N. E. |
| 66.70 | Dry wash, 15 lks. wide, course E. |
| 74.00 | Leave level and over rolling land. |
| 80.00 | Set a malpais stone, 21 x 10 x 10 ins., 16 ins., in the ground for the corner to sections 17, 18, 19 and 20, marked with 3 grooves on the S. and 5 grooves 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 level and rolling. Soil sandy loam, gravelly and stony, 2nd, 3rd and 4th rate. No timber. |
| | Oct., 9th, 1906. |
| | Oct., 10th, 1906, at 7 hours, 44 minutes, a. m., 1. m. t., I set off 32° 30' N., on the Lat. Arc; 06° 25' S., on the decl. arc and determine a meridian with the Solar at the corner of sections 17, 18, 19 and 20. Thence I run, S. 89° 43' W., on a random line, bet. secs. 18 and 19. |
| 40. | Set temp. 1/4 sec. cor. |
| 79.92 | Intersect the West boundary of the Tp. at a point 12 lks. S. of the corner to sections 13, 18, 19 and 24, Thence I run, N. 89° 48' E., on a true line bet. secs. 18 and 19. Over level land through dense brush. |
| 9.00 | Enter broken ground. |
| 35.07 | Re-enter level land. |
| 39.96 | Set a malpai stone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. |
| 52.00 | Leave dense brush. |

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| Chs. | |
| 67.15 | Road bears N. and S. |
| 68.85 | Dry wash, 15 lks. wide, course N. E. |
| 73.00 | Enter rolling land. |
| 79.92 | The corner of sections, 17, 18, 19 and 20. Land level rolling and broken. Soil sandy and gravelly, 3rd and 4th rate. No timber. Undergrowth greasewood, yucca, tesotilla and palo santo. Dense undergrowth 52.00 chains. |
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| | N. 0° 01' E., bet. secs. 17 and 18. Over rolling land. |
| 21.40 | Enter level land bearing N. E. |
| 24.50 | Dry wash, 15 lks. wide, course N. E. |
| 29.00 | Enter gently rolling land bears N. E. |
| 40.00 | Set a malpai stone, 18 x 8 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 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. Thence over nearly level land. |
| 73.92 | Wagon road bears N. E. |
| 80.00 | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for the corner to sections 7, 8, 17 and 18, marked with 4 grooves on the S. and 5 grooves 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 nearly level and rolling. Soil sandy loam, gravelly and stony, 2nd, 3rd and 4th rate. No timber. Undergrowth scattering greasewood, yucca and palo santo. |
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| 40. | S. 89° 48' W., on a random line, bet. secs. 7 and 18. Set temp. 1/4 sec. cor. |
| 79.85 | Intersect the W. boundary of the Tp. at a point, 19 lks. N. of the corner to sections 7, 12, 13 and 18, thence I run, N. 89° 40' E., on a true line, bet. secs. 7 and 18. Over rolling land. |
| 39.98 | Set a malpais stone, 18 x 8 x 8 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. |
| 72.04 | Enter level land. |
| 73.45 | Dry wash, 40 lks. wide, course N. E. |
| 79.85 | The corner to sections, 7, 8, 17 and 18. Land rolling and level. Soil gravelly and stony; 3rd and 4th rate. No timber. No brush. |
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| | N. 0° 01' E., bet. secs. 7 and 8. Over level land. |
| 17.65 | Dry wash, 50 lks. wide, course N. E. |
| 23.60 | Dry wash, 35 lks. wide, course E. and enter rolling land. |
| 35.00 | Enter draw course E. |
| 36.40 | Dry wash, 8 lks. wide, course E. |
| 38.90 | Dry wash, 10 lks. wide, course E. |
| 40.00 | Set a malpais stone, 20 x 6 x 6 ins., 15 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face; dug 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. |
| 42.04 | Leave draw. |
| 60.00 | Enter nearly level land. |
| 63.92 | Dry wash, 10 lks. wide, course N. E. |
| 75.20 | Wagon road bears N. N. W. |
| 80.00 | Set a malpais stone, 21 x 10 x 8 ins., 16 ins., in the ground for the corner to sections, 5, 6, 7 and 8, marked with 5 grooves on the E. and S. edges, dug 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. |

Chs. Land nearly level. and rolling.
Soil gravelly stony and gumbo, 2nd, 3rd and 4th rate.
No timber. Brush scattering yucca.

40. S. 89° 40' W., on a random line, bet. secs. 6 and 7.
80.07 St. temp. 1/4 sec. cor.
Intersect the N. and S. line, at a point, 18 lks. S. of
the corner to secs. 1, 6, 7 and 12, thence I run,
N. 89° 48' E., on a true line, bet. secs. 6 and 7.
Over nearly level land.

26.45 Dry wash, 40 lks. wide, course N. E.
40.03 Set a malpais stone, 18 x 6 x 6 ins., 12 ins., in the
ground for 1/4 sec. cor. marked 1/4 on the N. face;
dug pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft.
dist. and raise a mound of earth and stone, 3 1/2 ft.
base, 1 1/2 ft. high, N. of the corner.

73.95 Dry wash, 10 lks. wide, course N. E.
79.24 Road bears N. and S.
80.07 The corner of sections, 5, 6, 7 and 8.
Land nearly level.
Soil gumbo, sandy and gravelly, 2nd and 3rd rate.
No timber.

40. N. 0° 01' E., on a random line, bet. secs. 5 and 6.
79.87 Set temp. 1/4 sec. cor.
Intersect the N. bdy. of Tp. at a point, 10 lks. W. of
the corner to secs. 5, 6, 31 and 32, Thence I run,
S. 0° 5' W., on a true line, bet. secs. 5 and 6.
Over nearly level land.

.75 Dry wash, 15 lks. wide, course easterly.
38.45 Road bears N. E.
39.87 Set a malpais stone, 18 x 8 x 5 ins., 12 ins., in the
ground for 1/4 sec. cor. marked 1/4 on the W. face; dug
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.

48.75 Dry wash, 15 lks. wide, course N. E.
50.80 Dry wash, 20 lks. wide, course N. E.
57.05 Dry wash, 20 lks. wide, course N. E.
79.87 The corner to sections, 5, 6, 7 and 8.
Land nearly level.
Soil gumbo and gravelly.
No timber.

Oct. 10th, 1906.

Oct. 11th, 1906- At 7 hours, 15 mins., a. m., l. m. t.,
I set off 32° 36' N., on the Lat. Arc; 06° 46' S., on
the Decl. arc and determine a meridian with the Solar
at the corner to secs. 4, 5, 32 and 33, on the S. bdy.
of the Tp. Thence I run,
N. 0° 01' E., bet. secs. 32 and 33.
Over gently rolling land through dense greasewood.

18.10 Draw, 2.00 chains, wide, course E. by N. E.
40.00 Set a malpais stone, 18 x 6 x 5 ins., 12 ins., in the
ground for 1/4 sec. cor. marked 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.

59.00 Dry wash, 20 lks. wide, course Northeast.
80.00 Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the
ground for the corner to sections 28, 29, 32 and 33,
marked with 1 groove on the S. and 4 grooves on the E.
edges and raise a mound of stones, 2 ft. base, 1 1/2
ft. high, W. of the cor. Pits impracticable.
Land gently rolling.
Soil gravelly and stony; 3rd and 4th rate.
No timber; Undergrowth greasewood, tesotilla and yucca.
Dense underbrush 80 chains.

40. WEST, on a random line, bet. secs. 29 and 32.
80.06 Set temp. 1/4 sec. cor.
Intersect the N. and S. line at the corner to secs.
29, 30, 31 and 32, thence I run,
EAST, on a true line, bet. secs. 29 and 32.

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| Chs. | Over rolling land through dense greasewood. Desc. |
| 19.94 | Foot, and enter dense greasewood brush. Ascend. |
| 21.80 | N. E. End of a ridge descend. |
| 40.03 | Set a malpais stone, 18 x 6 x 6 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. Descend. |
| 70.30 | Draw, 1.00 chain wide, course N. E. |
| 80.06 | The corner of sections, 28, 29, 32 and 33. Land level. and rolling. Soil gravelly and sandy; 3rd and 4th rate. No timber; undergrowth greasewood, yucca and palo santo with some tesotilla. Dense undergrowth 60.00 chains. |
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| | N. 0° 1' E., bet. secs. 28 and 29. |
| | Over rolling land through dense greasewood. |
| 14.00 | Enter draw bears N. |
| 34.00 | Enter valley bears N. E. and descend, leave dense greasewood. |
| 37.00 | Dry wash, S. bank, course N. E. |
| 40. | Point for 1/4 sec. cr. falls in wash. |
| 42.20 | Set a malpai stone, 18 x 8 x 8 ins., 12 ins., in the ground for witness corner to the 1/4 sec. cor. marked 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 imprac |
| 75.00 | Dry wash, 10 lks. wide, course N. E. |
| 80.00 | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for the corner to sections, 20, 21, 28 and 29, marked with 2 grooves on the S. and 4 grooves 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 level and rolling. Soil gumbo, gravelly and stony, 2nd, 3rd and 4th rate. No timber. Undergrowth, greasewood, tesotilla, yucca, and palo santo, Dense Undergrowth 34.00 chains. |
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| | WEST, on a random line, bet. secs. 20 and 29. |
| 40. | Set temp. 1/4 sec. cor. |
| 80.00 | Intersect the N. and S. line, at a point 4 lks. N. of the corner to sections 19, 20, 29 and 30, thence I run, N. 89° 58' E., on a true line, bet. secs. 20 and 29. Over level land. |
| 15.15 | Dry wash, 10 lks. wide, course S. E. and enter gently rolling land. |
| 40.00 | Set a malpais stone, 20 x 8 x 6 ins., 15 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. |
| 75.00 | Dry wash, 50 lks. wide, course EN. E. |
| 80.00 | The corner to sections 20, 21, 28 and 29. Land gently rolling and level. Soil sandy loam gravelly and stony; 2nd, 3rd and 4th rate. No timber. Undergrowth, scattering yucca, and palo santo. |
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| | N. 0° 01' E., bet. secs. 20 and 21. |
| | Over level land. |
| 2.10 | Dry wash, 40 lks. wide, course easterly. |
| 5.70 | Top of knoll. |
| 27.10 | Enter gently rolling land to the S. E. |
| 36.00 | Enter level land bearing E. and W. |
| 40.00 | Set a malpais stone, 18 x 8 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dug 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. |
| 75.00 | Enter dense palo santo underbrush. |
| 80.00 | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for the cor. to secs. 16, 17, 20 and 21, mkd. |

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| | Chs. | with 3 grooves on the S. and 4 grooves on the E. edges, and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impract. Land level and gently rolling. Soil gumbo, sandy, graelly and stony, 2nd, 3rd and 4th rate. No timber; Undergrowth palo santo and yucca. Dense brush, 5.00 chains. |
| 40. | 79.96 | S. 89° 58' W., on a random line, bet. secs. 17 and 20. Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point 4 lks. S. of the cor. to secs. 17, 18, 19 and 20, thence I run, EAST, on a true line, bet. secs. 17 and 20. Over gently rolling land through palo santo brush. |
| 39.20 | 39.98 | Dry wash, 15 lks. wide, course N. E. Set a malpais stone, 18 x 10 x 6 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. |
| 43.10 | 50.30 | Dry wash, 40 lks. wide, course N. N. E. |
| 60.50 | 79.96 | Dry wash, 20 lks. wide, course N. E. |
| | | Dry wash, 10 lks. wide, course N. E. |
| | | The cor. to secs. 16, 17, 20 and 21. Land level and gently rolling. Soil sandy loam; gravelly and stony, 2nd, 3rd and 4th rate. No timber. Undergrowth palo santo and yucca. Dense undergrowth, 8.000chs. |
| | | N. 0° 01' E., bet. secs. 16 and 17. Over nearly level land through dense brush. |
| 10.00 | 40.00 | Leave dense brush, bears N. E. Set a malpais stone, 18 x 12 x 6 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. Pits impract. |
| 46.30 | 79.40 | Dry wash, 8 lks. wide, course Easterly. |
| 80.00 | | Dry wash, 30 lks. wide, course easterly. Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for the corner to sections 8, 9, 16 and 17, marked with 4 grooves on the S. and E. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land level. Soil gumbo, sandy and gravelly, 2nd, 3rd and 4th rate. No timber. Undergrowth palo sant and yucca. Dense undergrowth, 10.00 chains. |
| | | Oct, 11th, 1906. |
| | | Oct, 12th, 1906, At 7 hours, 11 minutes, a. m., 1. m. t. by my watch which is correct, I set off 32° 39' N., on the Lat. arc; 07° 09' 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, WEST, on a random line, bet. secs. 8 and 17. |
| 40. | 79.92 | Set temp. 1/4 sec. cor. Intersect the N. and S. line, at a point 5 lks. S. of the corner of secs. 7, 8, 17 and 18, thence I run, S. 89° 58' E., on a true line, bet. secs. 8 and 17. |
| 1.07 | 34.76 | Road northeasterly. Dry wash, 15 lks. wide, course N. E. |
| 39.96 | | Set a malpais stone, 21 x 10 x 5 ins., 16 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. |
| 63.10 | 71.90 | Dry wash, 10 lks. wide, course N. E. |
| 79.92 | | Dry wash, 15 lks. wide, course N. E. The cor. to secs. 8, 9, 16 and 17. Land nearly level. Soil sandy loam; gravelly and stony, 2nd, 3rd and 4th rate. No timber. |

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| Chs. | N. 0° 01' E., bet. secs. 8 and 9. Over level land. |
| 29.30 | Dry wash, 25 lks. wide, course N. E. |
| 31.00 | Ascend. |
| 34.05 | Ridge bears E. and W. and descend. |
| 37.98 | Foot, thence over level land. |
| 40. | Set a malpais stone, 18 x 8 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 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. |
| 76.35 | Dry wash, 10 lks. wide, course easterly. |
| 80.00 | Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for the corner to sections 4, 5, 8 and 9, marked with 5 grooves on the S. and 4 grooves on the E. edges and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impract. Land level and rolling. Soil gumbo, gravelly and sandy, 2nd, 3rd and 4th rate. No timber. |
| 40. | N. 89° 58' W., on a random line bet. secs. 5 and 8. Set temp. 1/4 sec. cor. |
| 79.90 | Intersect the N. and S. line, at the corner of secs. 5, 6, 7 and 8, thence I run, S. 89° 58' E., on a true line bet. secs. 5 and 8. |
| 9.30 | Dry wash, 15 lks. wide, course N. E. |
| 26.70 | Dry wash, 20 lks. wide, course N. E. |
| 39.94 | Set a malpais stone, 18 x 10 x 6 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. Beg. grad. desc. |
| 49.70 | Dry wash, 15 lks. wide, course N. E. |
| 52.50 | Dry wash, 35 lks. wide, course N. E. |
| 56.15 | Dry wash, 15 lks. wide, course N. E. |
| 58.60 | Dry wash, 15 lks. wide, course N. E. |
| 65.00 | Foot. |
| 69.90 | Small dry wash, course N. |
| 79.90 | The corner to secs. 4, 5, 8 and 9. Land nearly level and rolling. Soil gravelly and stony, 3rd and 4th rate. No timber. Brush scattering yucca. |
| 7.00 | N. 0° 01' E., on a true line, bet. secs. 4 and 5. Over level land. Enter dry wash, course Northerly. |
| 11.00 | Leave dry wash. |
| 13.50 | Dry wash, 15 lks. wide, course E. |
| 22.07 | R. R. wash, 160 lks. wide, course N. N. W. |
| 40.00 | Set a malpais stone, 18 x 8 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner. |
| 43.30 | Channel of railroad wash, 80 lks. wide, course N. N. E. |
| 46.70 | Same 100 lks. wide, course N. W. |
| 47.90 | Middle of Canal, 2 lks. wide, 2 ft. deep, N. W. |
| 48.00 | Barn 20. chs. E. |
| 53.50 | Dry wash, 20 lks. wide, course N. N. W. |
| 54.00 | A. Gillilands house 16.00 chs. E. |
| 54.10 | Wire fence E. and W. |
| 55.38 | Wire fence N. 21° 10' W. |
| 55.55 | Telegraph line course N. 21° 10' W., and S. 21° 10' E. |
| 57.80 | Middle of Single track of Arizona & New Mexico R. R. bears N. 21° 10' W., and S. 21° 10' E. |
| 62.01 | Wire fence parallels railroad track. |
| 62.35 | F. Gilliland's house 160 lks. E. |
| 79.54 | Intersect the N. bdy. of the Tp. 60 lks. N89° 58' W of the point for the cor. to secs. 4, 5, 32 and 33. Set a malpais stone, 18 x 6 x 6 ins., 12 ins., in the ground for the closing corner to secs. 4 and 5, mkd. with 4 grooves on the E. and 2 grooves on the W. C. C. on the S. faces, and raise a md. of stones, 2 ft. base, |

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| | <p>1 1/2 ft. high, S. of the corner. Land level. Soil gumbo. 2nd, 3rd and 4th rate. No timber. Brush scattering greasewood, and palo santo. Oct. 12th, 1906.</p> |
| | <p>At the corner of secs. 3, 4, 33 and 34, on the S. bdy. of Tp. Oct., 13th, 1906, at 7 hs. 26 mins., a. m. 1. m. t., I set off 32° 36' N., on the lat. arc. 07° 32' S., on the decl. arc and determine a meridian with the solar thence I run, N. 0° 2' E., bet. secs. 33 and 34. Over nearly level land through dense greasewood.</p> |
| 10.00 | Leave dense greasewood bears E. and W. |
| 37.30 | Dry wash, 60 lks. wide, course Northeasterly. |
| 40.00 | Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dug 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 malpais stone, 18 x 10 x 10 ins., 12 ins., in the ground for the corner to sections 27, 28, 33 and 34, marked with 1 groove on the S. and 3 grooves on the E. edges, dug 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. Soil gumbo and sandy, 3rd and 4th rate. No timber. Dense undergrowth, 10.00 chains. |
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| 40. | WEST, on a random line, bet. secs. 28 and 33. |
| 80.00 | Set temp. 1/4 sec. cor. Intersect the N. and S. line at the corner to secs. 28, 29, 32 and 33. Thence I run, EAST, bet. secs. 28 and 33 on a true line, Over level land. |
| 20.00 | Enter rolling land and dense greasewood brush. |
| 40.00 | Set a malpais stone, 18 x 10 x 8 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. |
| 64.70 | Dry wash, 15 lks. wide, course N. |
| 80.00 | The corner to sections, 27, 28, 33 and 34. Land rolling and level. Soil sandy, gravelly and gumbo, 2nd, 3rd and 4th rate. No timber; undergrowth greasewood, yucca, tesotilla and palo santo with some cactus. Dense undergrowth 60.00 chains. |
| | ----- |
| | EAST, on a true line, bet. secs. 27 and 34. Over level land. |
| 11.60 | Dry wash, 70 lks. wide, course Northeasterly. |
| 22.80 | Dry wash, 20 lks. wide, course northerly. |
| 29.60 | Ascend slope bearing N. and S. |
| 31.00 | Top of the south end of knoll; descend. |
| 33.05 | Enter Railroad wash, course N. N. W. |
| 36.70 | Leave Railroad wash, course N. N. W. |
| 40.00 | Set a malpais stone, 18 x 8 x 6 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. |
| 44.84 | Wire fence bears N. 23° W. |
| 45.80 | Telegraph line bears N. 23° W. |
| 46.28 | Side track, A. & N. M. R. R. bears N. 23° W. |
| 46.50 | Single track of the A. & N. M. R. R. bears N. 23° W. same E. |
| 48.14 | Wire fence bears N. 23° W., and S. 23° E. |
| 49.95 | Wagon road bears N. and S. |
| 53.00 | Enter dense greasewood bearing N. and S. |
| 57.00 | Enter rolling land bearing N. and S. |
| 67.70 | Dry wash, 15 lks. wide, course N. N. W. |

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| Chs. 79.54 | Intersect the Boundary line between the Territories of Arizona and New Mexico, at a point 19.00 chs. S. of the 302 Mile Monument, as described by the Surveyor-General. Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for the closing corner to sections 27 and 34, marked with 1 groove on the S. 5 grooves on the N. and C. C. on the W. faces and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land level and rolling. Soil gumbo, 1st, 2nd, 3rd and 4th rate. Undergrowth, greasewood, palo santo and yucca. Dense undergrowth 26.54 chains. |
| | ----- No. 0° 02' E. bet. secs. 27 and 28. Over level land. |
| 13.15 | Dry wash, 15 lks. wide, course northeasterly. |
| 32.30 | Dry wash, 15 lks. wide, course northeasterly. |
| 40.00 | Set a malpais stone, 16 x 14 x 10 ins., 11 1/2 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 3 ft. dist. and raise a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, W. of the corner. |
| 55.75 | Enter Railroad wash course northerly. |
| 63.41 | Road bears W. N. W. |
| 69.00 | Leave Railroad wash course N. W. |
| 80.00 | Set a malpais stone, 18 x 10 x 10 ins., 12 ins., in the ground for the corner to sections 21, 22, 27 and 28, marked with 2 grooves on the S. and 3 grooves on the E. edges dug pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 2 ft. base, 4 ft. high, W. of the corner. Land level. Soil gumbo and sandy loam, 1st, 2nd, 3rd and 4th rate. No timber. Undergrowth, scattering greasewood, sage brush and yucca. Oct. 13th 1906. |
| | ----- Oct. 14 1906, at 8 ^h 42 ^m a. m., 1. m. t., I set off 32° 38' ✓ N. on the Datl. arc; 7° 57' 3 on the decl. arc and determine a meridian with the Solar; thence I run, WEST, on a random line, bet. secs. 21 and 28. |
| 40. | Set temp. 1/4 sec. cor. |
| 80. | Intersect the N. and S. line, at a point 2 1/2 lks. N. of the corner to sections 20, 21, 28 and 29, thence I run, N. 89° 59' E., on a true line, bet. secs. 21 and 28. |
| 4.90 | Dry wash, 20 lks. wide, course northerly. |
| 16.00 | Dry wash, 80 lks. wide, course northerly. |
| 40.00 | Set a malpais stone, 20 x 6 x 6 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. |
| 50.04 | Leave level and over rolling land. |
| 59.50 | Dry wash, 20 lks. wide, course N. E. |
| 69.15 | Enter R. R. wash, course Northerly. |
| 76.40 | Leave R. R. wash. |
| 80.00 | The corner to sections, 21, 22, 27 and 28. Land level and rolling. Soil gumbo, sandy loam, gravelly, 1st, 2nd, 3rd and 4th rate. No timber. Undergrowth scattering palo santo and yucca. |
| | ----- EAST, on a true line, bet. secs. 22 and 27. Over level land. |
| 4.26 | Wire fence bears N. 20° 50' W., and S. 20° 50' E. |
| 5.03 | Telegraph line bears N 20° W., and S. 20° E. |
| 5.90 | Single track of the A. & N. M. R. R. bears N. 20° 50' W., and S. 20° 50' E. |
| 6.98 | Wire fance bears N. 20° 50' W., and S. 20° 50' E. |
| 15.00 | Begin gradual ascent. |

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| chs. | |
| 21.50 | Road bears N. and S. |
| 24.00 | Enter dense greasewood bears N. and S. |
| 40.00 | Set a malpais stone, 18 x 6 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. |
| 55.60 | Dry wash, 20 lks. wide, course S. W. |
| 64.00 | Leave dense undergrowth bearing northeast. |
| 68.00 | Begin steep ascent over broken ground. |
| 79.57 | Intersect the Boundary line, bet. the Territories of Arizona and New Mexico, at a point, 19.49 chs. S. of the 201 Mile Mon., as des. by the Sur. Genl. Set a malpais stone, 18 x 10 x 6 ins., 12 ins., in the ground for closing corner to secs. 22 and 27, marked with 2 grooves on the S. 4 on the N. and C. C. on the W. faces and raise a mound of stones, 2 ft. base 1 1/2 ft. high, W. of the corner. Pits impracticable. Land rolling gently level and broken. Soil, gumbo, sandy and gravelly loam, 1st, 2nd, 3rd and 4th rate. No timber; Undergrowth greasewood, yucca and cactus. Dense undergrowth 40.00 chains. |
| | ----- |
| | No. 0° 02' E., bet. secs. 21 and 22. Over level land. |
| 11.12 | Wire fence bears N. 20° 50' W., and S. 20° 50' E. |
| 12.15 | Telegraph line, bears N. 20° 50' W., and S. 20° 50' E. |
| 15.40 | Single track of the A. & N. M. R. R. bears N. 20° 50' W., and S. 20° 50' E. |
| 19.29 | Wire fence bears N. 20° 50' W., and S. 20° 50' E. |
| 21.00 | Dry wash, 15 lks. wide, course N. W. |
| 33.40 | Dry wash, 10 lks. wide, course S. W. |
| 40.00 | Set a malpais stone, 20 x 10 x 8 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dug 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. |
| 58.85 | Dry wash, 10 lks. wide, course N. W. |
| 80.00 | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for the corner to sections 15, 16, 21 and 22, marked with 3 grooves on the S. and E. edges, and 9 S., on the N. E. and 32 E., on the S. E. dug pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth 2 ft. high, 4 ft. base, W. of stone. Land nearly level. Soil gumbo, sandy loam and gravelly; 1st, 2nd, and 3rd rate. No timber. Undergrowth, scattering yucca, greasewood, palo santo and sage brush. |
| | ----- |
| | S. 89° 59' W., on a random line, bet. secs. 16 and 21. Set temp. 1/4 sec. cor. |
| 40. | |
| 80.00 | Fall 2 lks. S. of the corner to sections 16, 17, 20 and 21, thence I run EAST, on a true line, bet. secs. 16 and 21. Through dense underbrush. |
| 6.00 | Leave dense brush. |
| 13.00 | Over gently rolling land. |
| 17.45 | Dry wash, 25 lks. wide, course N. E. |
| 22.60 | Dry wash, 40 lks. wide, course northeasterly. |
| 40.00 | Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. |
| 51.10 | Enter R. R. wash, course N. |
| 54.20 | Leave R. R. wash, |
| 62.15 | Wire fence bears N. 14° 29' W., and S. 14° 29' E. |

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| Chs. | |
| 62.65 | Middle of Single track of the A. & N. M. R. R. bears N. 14° 29' W., and S. 14° 29' E. |
| 63.75 | Wire fence bears N. 14° 29' W., and S. 14° 29' E. |
| 80.00 | The corner to sections 15, 16, 21 and 22. Land level and rolling. Soil gumbo and sandy loam. 2nd and 3rd rate. No timber. Undergrowth greasewood, palo santo and yucca. Dense undergrowth 6.00 chains. |
| | Oct. 14, the, 1906. |
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| | Oct. 15th, 1906. At 7 hours, 43 mins., a. m., 1. m. t. I set off 32° 38' N., on the decl. arc; 08° 18' S., on the Lat. arc and determine a meridian with the Solar. Thence I run, EAST, on a true line, bet. secs. 15 & 22. Over gradually rising ground through scattering greasewood brush. |
| 12.35 | Wagon road bears N. and S. |
| 30.04 | N. end of a knoll. |
| 40.00 | Set a malpais stone, 18 x 10 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. |
| 42.05 | Begin steep ascent over broken ground. |
| 70.04 | N. end of a ridge and descend. |
| 79.61 | Intersect the Boundary Line between the Territories of Arizona and New Mexico, at a point South 19.55 chs. of the 300 Mile Monument. Set a sandstone, 21 x 10 x 5 ins., 16 ins., in the ground for closing corner to sections 15 and 22, marked with 3 grooves on the N. and S. faces and C. C. on the W. face and raise a mound of stones 2 ft. base, 1 1/2 ft. high, W. of the corner. Land level, rolling and broken. Soil sandy and gravelly; 3rd and 4th rate. No timber. Undergrowth greasewood, palo santo, tesotilla and cactus. |
| | ----- |
| | N. 0° 02' E., bet. secs. 15 and 16. Over nearly level land. |
| 26.30 | Dry wash, 10 lks. wide, course W. |
| 40.00 | Set a malpais stone, 16 x 10 x 10 ins., 11 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. |
| 50.72 | Dry wash, 12 lks. wide, course westerly. |
| 56.50 | Dry wash, 12 lks. wide, course westerly. |
| 80.00 | Set a malpais stone, 21 x 8 x 8 ins., 16 ins., in the ground for the corner to sections 9, 10, 15 and 16, marked with 4 grooves on the S. and 3 grooves on the E. edges, dug 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 nearly level. Soil sandy loam and gravelly, 2nd and 4th rate. No timber. Undergrowth, scattering greasewood and yucca. |
| | ----- |
| | WEST, on a random line, bet. secs. 9 and 16. |
| 40. | Set temp. 1/4 sec. cor. |
| 80.00 | Intersect the N. and S. line at the cor. to secs. 8, 9, 16 and 17, thence I run, EAST, on a true line bet. secs. 9 and 16. Over gradually ascending land. |
| 2. 20 | Dry wash, 30 lks. wide, course northeasterly. |
| 10.60 | Dry wash, 15 lks. wide, course northeasterly. |
| 29.10 | Railroad wash, 100 lks. wide, course N. |
| 40.00 | Set a malpais stone, 16 x 10 x 10 ins., 11 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and |

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| Chs. | raise a mound of stones 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. |
| 40.50 | Wire fence bears N. W. and S. E. |
| 41.25 | Telegraph line bears N. W. and S. E. |
| 42.07 | Middle of single track of the A. & N. M. R. R. bears N. W. and S. E. |
| 43.65 | Wire fence bears N. W. and S. E. |
| 80.00 | The corner to sections 9, 10, 15 and 16. Land level and gently rolling. Soil gumbo, sandy loam and gravelly, 1st, 2nd, 3rd and 4th rate. No timber. No trees or underbrush. |
| ----- | |
| | N. 0° 2' E., bet. secs. 9 and 10. Over nearly level land. |
| 9.70 | Enter dense greasewood bears E. and W. |
| 12.55 | Dry wash, 40 lks. wide, course W. |
| 23.22 | Dry wash, 10 lks. wide, course W., and thence over gently rolling land. |
| 40.00 | Set a malpais stone, 24 x 8 x 8 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dug 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. |
| 41.00 | Leave dense brush bearing E. and W. |
| 52.00 | Dry wash, 15 lks. wide, course westerly. |
| 80.00 | Set a malpais stone, 21 x 8 x 8 ins., 16 ins., in the ground for the corner to sections, 3, 4, 9 and 10, marked with 5 grooves on the S. and 3 grooves on the E. Edges, dug 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 and nearly level. Soil sandy loam and gravelly 3rd and 4th rate. No timber. Undergrowth greasewood, yucca and tesotilla. Dense undergrowth 31.30 chains. |
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| | Returning to the corner of sections 9, 10, 15 and 16, I run EAST, on a true line bet. secs. 10 and 15. Over gradually rising ground. |
| 4.00 | Enter dense greasewood bears N. W. |
| 14.35 | Road bears N. and S. |
| 27.60 | Dry wash, 20 lks. wide, course N. N. W. |
| 40.00 | Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. |
| 50.40 | Dry wash, 10 lks. wide, course S. W. |
| 59.90 | Begin steep ascent over broken ground. |
| 72.00 | Dry wash, 20 lks. wide, course S. thence westerly. |
| 77.04 | Top of rolling mesa bears N. and S. |
| 79.54 | Intersect the Boundary line between the Territories of Arizona and New Mexico, at a point 19.90 chs. S. of the 299 Mile Monument. Set a malpais stone, 18 x 10 x 5 ins., for closing corner to sections 10 and 15, 12 ins., in the ground marked with 4 grooves on the S. and 2 grooves on the N. faces, C. C. ARIZ on the W. and N. M. on the E. and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land gently rolling and broken. Soil sandy loam and gravelly; 2nd and 4th rate. No timber; undergrowth greasewood, yucca and tesotillo. Dense undergrowth 31.30 chains. |

Oct. 15th, 1906.

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| Chs. | Oct. 16th, 1906- At 7 hours, 26 minutes, a. m., 1. m. t., I set off 32° 40' N., on the Latitude Arc; 08° 39' S., on the decl. arc and determine a meridian with the Solar at the corner of sections 3, 4, 9 and 10. Thence I run, WEST, on a random line, bet. secs. 4 and 9. 40. set temp. cr. 79.96 Intersect the corner of sections 4, 5, 8 and 9; thence I run, EAST, on a true line, bet. secs. 4 and 9. Over rolling and level land. 4.80 Dry wash, 10 lks. wide, course N. E. 6.50 Dry wash, 10 lks. wide, course N. 28.50 Railroad wash, 1.00 chain wide, course N. 19.85 Wire fence bears N. 14° 29' W., and S. 14° 29' E. 20.48 Telegraph line bears N. 14° 29' W., and S. 14° 29' E. 21.31 Middle of Single track of the A. & N. M. R. R. bears N. 14° 29' W., and S. 14° 29' E. 22.89 Wire fence bears N. 14° 29' W., and S. 14° 29' E. 34.30 Dry wash, 10 lks. wide, course N. 38.04 Foot; N. and S. thence over rolling land gradually asc. 40.00 Set a malpais stone, 20 x 6 x 6 ins., 15 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. 65.00 N. end of ridge and descend. 77.50 Dry wash, 10 lks. wide, course N. E. and ascend. 79.96 The corner to sections, 3, 4, 9 and 10. Land level and rolling. Soil gumbo, gravelly and stony, 2nd, 3rd and 4th rate. No timber. |
| | ----- EAST, on a true line, bet. secs. 3 and 10. Over nearly level land. 3.50 Dry wash, 15 lks. wide, course N. 14.05 Dry wash, 12 lks. wide, course N. N. W. 14.11 Wagon road bears N. and S. 14.33 Wagon road bears S. W. 22.70 Ascend. 23.70 N. end of ridge and descend. 25.00 Foot N. and S. 30.10 Knoll, 5 chains N. 37.00 Enter dense greasewood. 40.00 Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dug 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. 52.00 Knoll, 3.00 chains N. 79.35 Dry wash, 15 lks. wide, course N. 79.53 Intersect the Boundary line, bet. the Territories of the Arizona and New Mexico at a point 20. 28 chs. S. of the 298 Mile Monument. Set a malpais stone, 21 x 8 x 6 ins., 16 ins., in the ground for closing corner to sections 3 and 10, marked with 5 grooves on the S. and 1 groove on the N. faces and C. C. on the W. and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impract. Land nearly level and gently rolling. Soil sandy loam and gravelly, 2nd and 4th rate. No timber. Undergrowth greasewood, yucca and cactus. Dense undergrowth 42.53 chains. |
| | ----- N 0° 2' E., on a random line, bet. secs. 3 and 4. 40. Set temp. 1/4 sec. cor. 79.43 Intersect the N. boundary of the Tp. at a point 12 lks. E. of the corner to sections 3, 4, 33 and 34 on the N. boundary; thence I run, S. 0° 7' W., on a true line, bet. secs. 3 and 4. Over gently rolling land. 7.13 F. Mognis house bears 2.00 chs. W. 7.43 J. Elledges house bears 1.20 chs. E. |

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| Chs. | |
| 8.03 | Stable 4.00 chs. W. |
| 9.43 | Stable 3.00 chs. E. |
| 22.13 | B. Echoll's house bears 2.30 chs. W. |
| 22.43 | E. Dalla's house bears 2.00 chs. E. |
| 39.43 | Set a malpais stone, 18 x 6 x 6 ins., 12 ins., in the ground for 1/4 sec. cor. marked 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. |
| | Road N. of cor. |
| 39.73 | Middle of irrigating canal, 20 lks. wide, 2 ft. deep, course westerly. |
| 41.43 | Road bears E. N. E. |
| 77.00 | Dry wash, 10 lks. wide, course N. E. thence Northerly. |
| 79.43 | The corner to sections 3, 4, 9 and 10. |
| | Land level and rolling. |
| | Soil gumbo sandy loam and gravelly. 1st, 2nd, 3rd and 4th rate. |
| | No timber. No underbrush. |

GENERAL DESCRIPTION.

This Fractional Township is generally rolling land, portions of which are very level, the ground slopes gradually to the Southwest.

The soil is sandy, gravelly and gumbo or dobe, and is generally fit for grazing purposes. There is running water in the N. E. portion in irrigating canals and in the Gila River, from which the canals derive their water.

The Arizona and New Mexico Railroad traverses the township from the Southeast to the Northwest. This railroad is a branch line, from Lordsburg New Mexico to the Copper Mining Towns of Morenci and Clifton, Ariz.

There are numerous settlers in this Township as follows-

- Sec. 5, D. E. Wilkins.
 Sec. 4, F. Gilliland.
 F. Mognis.
 A. Gilliland.
 B. Echolls.
 D. and J. Campbell.
 A General store and Postoffice.
 Sec. 3, J. Elledge.
 E. Dalla.
 R. Gale.
 Wm. Gale.
 D. Elledge.

There is no timber on the township, but portions of the same is covered with dense and scattering brush, consisting of greasewood, palo santo, yucca and cactus.

Savinio R. Barthelmy
 U. S. Deputy Surveyor.

Tucson, Arizona.

LIST OF NAMES.

BOOK 1913

A list of the names of the individuals employed by Casimiro R. Barthelmy

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the ^{re} survey of the ~~North~~ Boundaries of T 9 S. R. 32 E. showing the respective capacities in which they acted:

John M. Trayer Chainman.

B. F. Arnold Chainman.

H. S. Phillips Moundman.

..... Moundman.

J. G. Walter Axman.

..... Axman.

Charles Meadmore Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Casimiro R. Barthelmy

....., United States Deputy Surveyor, in ^{re} surveying all those parts or portions of the North boundaries of T. 9 S., R. 32 E.

..... of the Gila and Salt River meridian, Territory of Arizona, 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

John M. Trayer Chainman.

B. F. Arnold Chainman.

H. S. Phillips Moundman.

..... Moundman.

J. G. Walter Axman.

..... Axman.

Charles Meadmore Flagman.

Subscribed and sworn to before me this 30th day of October, 1906

J. G. Power



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

7722
BOOK 1913

I, Casimiro R. Barthelmy 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 14 day of April, 1908 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: resurvey of North and West boundary of T. 9 S. R. 32 E

of the Gila and 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.

Casimiro R. Barthelmy
United States Deputy Surveyor.

Subscribed by said Casimiro R. Barthelmy, and sworn to before me

this 5th day of March, 1907
U. S. Commissioner, First Judicial District,
Territory of Arizona, residing at Tucson.



W. C. ...
Commissioner

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 190

The foregoing field notes of the survey of

executed by
under his contract No., dated, 190 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....
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.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

78
23

BOOK 1913

LIST OF NAMES.

A list of the names of the individuals employed by Casimiro R. Barthelemy
....., 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 Subdivision
lines of Tp. 9 S., R. 32 E
.....
showing the respective capacities in which they acted:

John M. Trayer....., Chainman.

B. F. Arnold....., Chainman.

H. S. Phillips....., Moundman.

T. G. Walter....., Axman.

Charles Meadmore....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Casimiro R. Barthelemy
....., United States Deputy Surveyor, in surveying all
those parts or portions of the Subdivisions lines Tp. 9 S. R. 32 E.
.....

..... of the Gila and
Salt River meridian, territory of Arizona, 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

John M. Trayer....., Chainman.

B. F. Arnold....., Chainman.

H. S. Phillips....., Moundman.

T. G. Walter....., Axman.

Charles Meadmore....., Flagman.

Subscribed and sworn to before me this 30th
day of October, 1906

H. G. Power



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

79
24
BOOK 1913

I, Casimiro R. Barthelemy, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Lusk, United States Surveyor General for Arizona, bearing date of the 14 day of April, 1906, 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 subdivisions ~~lines~~ of T. 9 S. R. 32 E

of the Gila and 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.

Casimiro R. Barthelemy
United States Deputy Surveyor.

Subscribed by said Casimiro R. Barthelemy, and sworn to before me }
this 5th day of March, 1907

U. S. Commissioner, First Judicial District,
Territory of Arizona, residing at Tucson.



W. H. ...
U. S. Commissioner

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, ARIZONA.

March 15, 1907.

DMX

The foregoing field notes of the survey of the subdivisions and resurvey of
the North and West boundaries of T. 9 S., R. 32, E. of the
Gila and Salt River Base and Meridian.

executed by Casimiro R. Barthelemy, U. S. Deputy Surveyor,
under his contract No. 139, dated April 14, 1906, 190, 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. Lusk
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.