

Recd. Aug. 14-06

4-679.

Capital G. I. 27709

1911

BOOK 1911

FIELD NOTES

OF THE SURVEY OF THE

NORTH AND EAST BOUNDARY

OF

TOWNSHIP 20 SOUTH,

RANGE 18 EAST.

1911

Of the GILA & SALT RIVER Meridian,

ARIZONA

AS SURVEYED BY

Casimiro R. Barthelemy, United States Deputy Surveyor,

Under his Contract No. 139, dated April 14, 1906.

Survey commenced June 10, 1906

Survey completed June 14, 1906

12
1A

NAMES AND DUTIES OF ASSISTANTS.

BOOK 1911

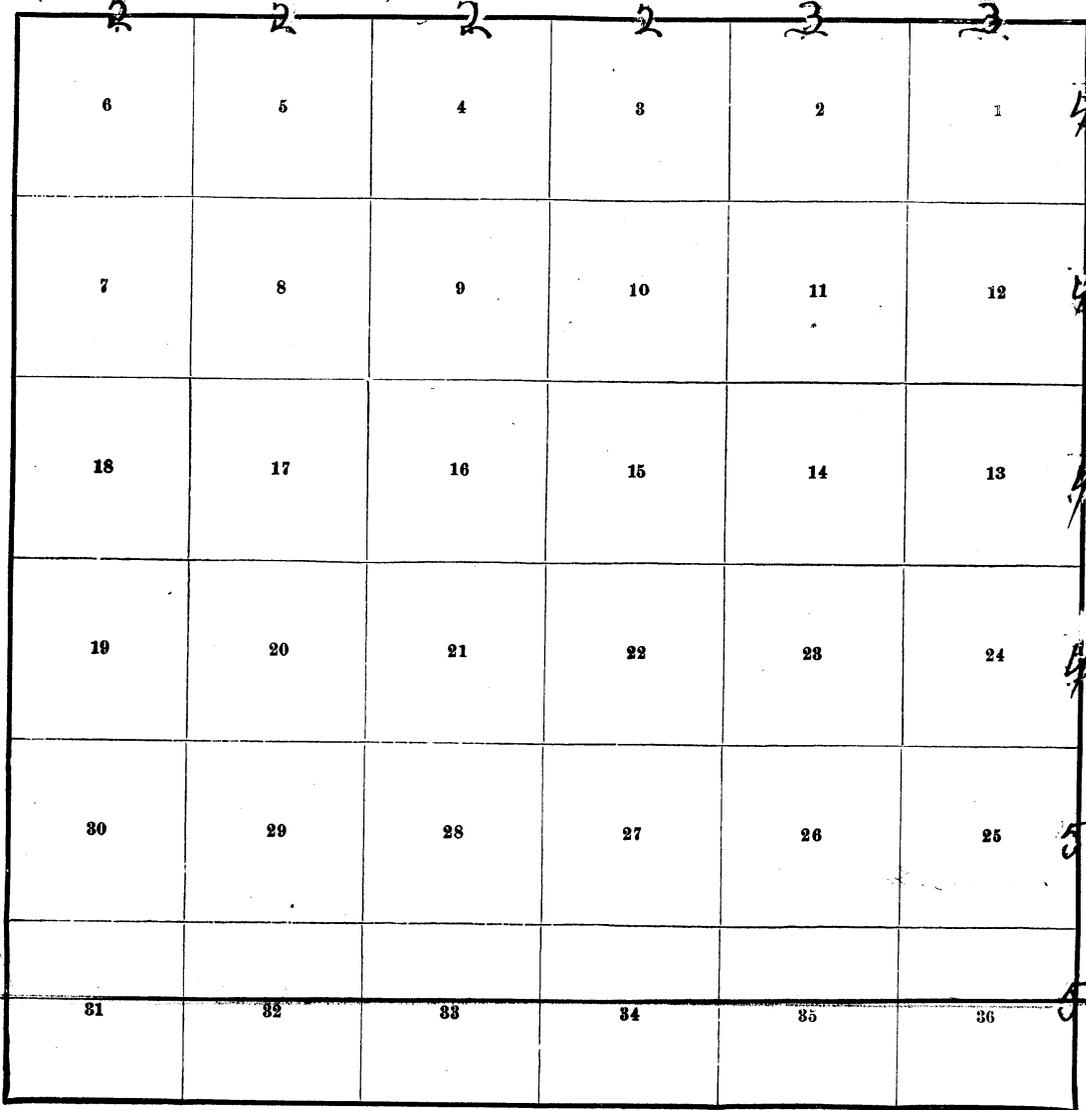
Arthur Pogue, Chairman,
Harry Mallory, Chairman,
Louis Renaud, Moundman
L. C. Millar, Assman,
H. B. Milliken Flagman.

13
1B

BOOK 1911

INDEX DIAGRAM.

Township 20 South, Range 18 East



Meanders Page.....

4012
H xc

BOOK 1911

PRELIMINARY OATHS OF ASSISTANTS.

WE, Arthur Pogue and Harry Mallory
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

~~_____~~ day of 9 20 S. R. 18 E

Arthur Pogue, Chainman.
Harry Mallory, Chainman.

Subscribed and sworn to before me this 1st
day of June, 1906 ✓ }

H. G. Power



I, Louis Renaud 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

~~_____~~ day of 9 20 S. R. 18 E

Louis Renaud, Moundman.

Subscribed and sworn to before me this 1st
day of June, 1906 ✓ }

H. G. Power



I, L. C. Millar 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

East & North Boundary of 9 20 S. R. 18 E

L. C. Millar, Axman.

Subscribed and sworn to before me this 1st
day of June, 1906 ✓ }

H. G. Power



I, H. B. Milliken, 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

East & North Boundary of 9 20 S. R. 18 E

H. B. Milliken, Flagman.

Subscribed and sworn to before me this 1st
day of June, 1906 ✓ }

H. G. Power



Survey commenced June 10, 1906, and executed with a W. and L.E. Gurley light mountain transit No. 1000 B with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arc.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona on June 5, 1906.

I examined the adjustments of the transit, and correct the level and collimation errors, 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 observations on Polaris, I proceed as follows:

At the closing cor. of secs. 31 and 36, T. 20 S., Rs. 18 and 19 E., on the San Ignacio del Babocomari Land Grant, in latitude $31^{\circ} 39' N$, longitude $110^{\circ} 33' 30'' W$, I set off $31^{\circ} 39' N$ on the lat. arc; $23^{\circ} 01' N$ on the decl. arc; and at 5h, p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

June 10, 1906.

June 11: At 2 h., 14m., a.m., l.m.t., I observe Polaris at eastern elongation in accordance with Manual of Instruction and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of my station. At 6 h., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 24'$ to the west, and mark the meridian thus determined by cutting a small groove in the stone set June 10, on which the meridian falls .3 ins. E. of the mark determined by the solar. At 7.30 a.m., I set off $31^{\circ} 39' N$ on the lat. arc; $23^{\circ} 4' N$ on the decl. arc, and mark a point in the meridian determined with the solar by a cross in the stone already set 5 chs. N. of my station; this mark falls .2 ins. E. of the meridian established by the Polaris observations; The solar apparatus by the a.m. and p.m. observations defines positions for meridians respectively about $16'' W$. and $10'' E$. of the meridian established by the Polaris observations. Therefore I conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m., is N. $12^{\circ} 45' E$.

North Boundary of Tp. 20-South, R. 18-East.

chains.

June 12, 1906.

At the cor. of tps. 19 and 20-S., rs. 17 and 18-E., re-established by me yesterday, I set off $23^{\circ} 8' N$ on the decl. arc; and $31^{\circ} 43' N$ on the lat. arc; and determined the true meridian with the solar at 7h. 0m. A.M. Thence: ~~run~~

East on the true line

Bet. secs. 6 and 31.

Over rolling land.

6.15 Dry wash 20. ~~lks.~~ wide course N.W.

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

31.00 Draw 60 lks. wide course N.W.

39.55 Set a silicate stone, 18 X 10 X 8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on the N. face; and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

51.80 Draw 1.00 ch. wide course S.W.

79.55 Set a limestone, 18 X 8 X 7 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked with 5 notches on the E. edge and 1 notch on the W. edge, and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, rolling.

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

No timber.

East bet. secs. 5 and 32.

Over nearly level land.

17.30 Old road bears N.W. and S.E.

40.00 Set a sandstone 18 X 6 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. bet. secs. 5 and 32, marked $\frac{1}{4}$, on N. face, dug pits, 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist.; and raised a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

30.00 Set a sandstone 18 X 7 X 5 ins., 12 ins. in ground, for cor. of secs. 4, 5, 32 and 33, marked with 4 notches on the E. face and 2 notches on the W. face; dug pits, 18 X 18 X 12 ins., in each sec. $5\frac{1}{2}$ ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, nearly level.

Soil, gravelly loam, 2nd and 3rd rate.
No timber.

East bet. secs. 4 and 33.

Over level land.

38.30 Old road bears S.E. and N.W.

40.00 Set a limestone 18 X 6 X 6 ins., 12 ins., in the ground, for $\frac{1}{4}$ sec. cor. bet. sec. 4 and 33, marked $\frac{1}{4}$, on N. face; dug pits, 18 X 18 X 12 ins. E. and W. of stone, 3 ft. dist.; and raised a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

54.90 Old road bears N.W. and S.E.

80.00 Set a limestone, 18 X 6 X 5 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked with 3 notches on the E. and W. edges; dug pits, 18 X 18 X 12 ins., in each sec. $5\frac{1}{2}$ ft. dist.; and raised a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level.

Soil, sandy and gravelly loam; 2nd and 3rd rate.
No timber.

June 12, 1906, At this cor. I set off $23^{\circ} 8' N$ on the decl. arc; and at 12h., M. l.m.t., observe the sun on the meridian; the resulting lat. is $31^{\circ} 43' N$.

East bet. secs. 3 and 34.

Over level land.

chains

40.00

Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. bet. secs. 3 and 34, marked $\frac{1}{4}$, on N. face; dug pits, 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist.; and raised a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

54.00

Enter Yucca and tesotilla undergrowth bears N and S.

72.30

Draw 20 lks. wide course S.E.

80.00

Set a silicate stone, 18 X 8 X 5 ins., 12 ins. in the ground for cor. of secs. 2, 3 34 and 55, marked with 2 notches on the E. edge and 2 notches on the W. edge, and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, level.

Soil, sandy and gravelly loam, 2nd and 3rd rate.

Timber, a few oak and ash trees along wash, undergrowth of yucca and tesotilla.

East bet. secs. 2 and 35.

Over gently rolling land, through scattering yucca.

35.30

Draw ~~bears~~ 15 lks. wide course S.W.

40.00

Set a sandstone, 18 X 8 X 8 ins., 12 ins. in ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$, on N. face; dug pits, 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist.; and raised a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

79.70

Draw 15 lks. wide course S.S.E.

80.00

Set a limestone, 18 X 8 X 8 ins., 12 ins. in ground, for cor. of secs. 1, 2, 35 and 36, marked with 1 notch on the east edge and 5 notches on the West edge, and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, gently rolling.

Soil, sandy and gravelly loam, 2nd and 3rd rate.

No timber, scattering yucca.

East bet. secs. 1 and 36.

Over gradually rising ground, through scattering yucca.

1.60

Draw 40 lks. wide course S.

15.00

Old road bears N.W. and S.E.

18.20

Draw 20 lks. wide course S.

32.70

Draw 40 lks. wide course S., ascend.

Enter mountainous land.

40.00

Set a limestone 18 X 10 X 8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

51.50

Top spur of Whetstone Mts., falls S.S.E.

Begin steep descent.

54.60

Gulch 25 lks. wide course S., ascend.

58.60

Spur falls south; descend.

66.00

Foot of steep descent.

Leave mountainous land, thence over gently rolling land.

80.00

Set a sandstone 18 X 8 X 8 ins., 12 ins. in ground, for cor. of Tps. 19 and 20 S., Rs. 18 and 19 E., marked with 6 notches on each edge, and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor.

Land, gently rolling and mountainous.

Soil, gravelly loam, stony and rocky; 2nd, 3rd and 4th rate.

No timber, undergrowth yucca, mezcal, cacti.

Mountainous land, 33.30 chs.

June 12, 1906.

78
4

chains.

June 13, 1906.

At the cor. of tps. 19 and 20 S., Rs. 18 and 19 East, reestablished by me yesterday, I set off $23^{\circ} 12'$ on the decl. arc, and $31^{\circ} 43'$ on the lat. arc, and determine a true meridian with the solar. at 7 h. O.M.A.M.

Thence I run
South on the true line
Bet. secs. 1 and 6.
Over gradually descending ground.

12.00 Old road bears E. and W.
40.00 Set a sandstone, 18 X 6 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on 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 cor.

48.20 Draw 60 lks. wide course S.W.
66.75 Old road bears S.E. and N.W.
80.00 Set a sandstone, 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked with 1 notch on the N. edge and 5 notches on the S. edge; and raised a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, gently rolling.
Soil, gravelly loam and stony; 2nd, 3rd and 4th rate.
No timber; undergrowth, yucca.

South, bet. secs. 7 and 12.
Over gradually descending ground.

33.60 Draw 1ch. wide, course S.W.
40.00 Set a sandstone 18 X 10 X 10 ins., 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stones 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

49.00 Enter level land.
55.40 Draw 25 lks. wide, course E.S.E.
80.00 Set a sandstone, 16 X 12 X 10 ins., 12 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked with 2 notches on the N. edge and 4 notches on the S. edge; dig pits, 18 X 18 X 12 ins., in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling and level.
Soil, sandy and gravelly loam, 2nd and 3rd rate.
No timber; undergrowth, yucca.
June 13: At this cor. I set off ob the decl. arc $23^{\circ} 12'$ N. and at 12 h. M.L.M.T. observe the sun on the meridian, the resulting lat. is $31^{\circ} 42' N$.

South, between secs. 13 and 18
Over level land,
Beg. gradual ascent.

18.00 Set a limestone, 18 X 8 X 8 ins., 12 ins. in the ground,
40.00 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

45.15 Old road bears N.E. and S.W.
46.70 Draw 20 lks. wide course N.E.
58.00 Top of west slope of rocky knoll, and descend gradually.
77.40 Draw 20 lks. wide course E.
80.00 Set a limestone 18 X 12 X 12 ins., 12 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, gently rolling and level.
Soil, sandy and gravelly loam and stony; 2nd, 3rd and 4th rate.
Timber, scattering oak.

South, bet. secs 19 and 24.
Over gently rolling land.

10.15 Draw 20 lks. wide, course E.N.E.
26.70 Draw 40 lks. wide course S.E., thence N.E.

chains	
40.00	Set a porphyry stone 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft., high, W. of cor. Pits impracticable.
54.15	Draw 40 lks. wide course E.
62.60	Draw 20 lks. wide course E. Enter mountainous land.
68.40	Top of round hill; descend a steeper slope.
77.50	Enter scattering oak timber bears E. and W.
80.00	Set a porphyry stone 18 X 10 X 6 ins., 12 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. edge; from which An oak, 6 ins. diam., bears N. 59 $\frac{1}{2}$ ° E, 177 lks. dist., marked T. 20 S R 19 E S 19 B. T. An oak, 12 ins. diam., bears S. 32° E., 130 lks. dist., marked T. 20 S R 19 E S 30 B. T. An oak, 24 ins. diam., bears S. 21° 15' W., 61 lks. dist., marked T. 20 S R 18 E S 25 B. T. An oak, 9 ins. diam., bears N. 60° W., 205 lks., dist., marked T. 20 S R 18 E S 24 B. T. Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of Cor. Pits impracticable. Land, gently rolling and mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, scattering oak. Mountainous land, 17.40 chs.
	June 13, 1906.
	June 14: At 7 h., a.m., l.m.t. I set off 31° 40' on the lat. arc; 23° 15' N. on the Decl. arc; and determine a true meridian with the solar, at the cor. of secs. 19, 24, 25 and 30. Thence I run South, bet. secs. 25 and 30. Over mountainous land, ascending through scattering oak timber. Ridge bears E. and W., descend steep slope. Deep gulch 30 lks. wide course E., ascend. Top of spur of Mustang Mountains, extends East, descend. Foot of steep descent bears N.E. and S.W., descend gradually. Leave mountainous land. Set a limestone 16 X 14 X 9 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. This cor. is 800 ft. below top of ridge. Draw 20 lks. wide course S.E. Draw 20 lks. wide course E., thence over gently rolling land. Draw 20 lks. wide course E. Draw 20 lks. wide course S.E. Set a limestone 18 X 8 X 7 ins., 12 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked with 5 notches on the N. edge and 1 notch on the S. edge; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of Cor. Pits impracticable. Land, gently rolling and mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, scattering oak; undergrowth, salicosa, mezcal, amole, cacti. Mountainous land, 39.00 chs.
	South, bet. secs. 31 and 36. Over rolling land. Deep gulch 40 lks. wide course S.E., enter dense tesotilla. undergrowth. Gulch 20 lks. wide course E. Leave dense undergrowth, brs. E. and W. Intersect N. bdy. of the San Ignacio del Babocomari land grant at a point from which the 36 mile cor. of the grant bears N. 70° 55' E, 19.46 chs. dist.
7.00	
14.00	
28.50	
39.00	
40.00	
61.90	
63.20	
66.30	
73.40	
80.00	
3.30	
18.30	
20.36	
30.36	

East Boundary of Tp. 20 South, R. 18 East.

Set a sandstone 24 X 10 X 10 ins., 18 ins. in the ground, for closing corner of Tp. 20 S., Rs 18 and 19 East, marked C C on N, S I D B on S. faces, with 6 grooves on N.E. and W edges, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
Land, gently rolling.
Soil, gravelly and stony; 3rd and 4th rate.
No timber; undergrowth, tesotilla.
Dense undergrowth, 17.06 chs.

June 14, 1906

Boundaries of T. 20 S., R. 18 E.
Latitudes, departures and closing errors.

Lines Designated	True Bearing	Distance chs.	Latitudes		Departures		
			N.	S.	E.	W.	
		chs.	chs.	chs.	chs.	chs.	chs.
Boundary ST	S. 70° 55' W.	59.76		19.54			56.47
D B Grant	N. 88° 7' W.	422.13	13.90				422.70
West Boundary	North	38.18	38.18				
	N. 0° 8' E.	39.80	39.80		.09		
	N. 0° 9' E.	39.70	39.70		.10		
	N. 0° 10' E.	39.63	39.63		.12		
	N. 0° 10' W.	39.89	39.89				.12
	N. 0° 6' W.	39.96	39.96				.07
	N. 0° 20' W.	39.85	39.85				.23
	N. 0° 9' W.	39.78	39.78				.10
	N. 0° 8' W.	39.72	39.72				.09
	N. 0° 20' W.	39.76	39.76				.23
	N. 0° 2' W.	39.66	39.66				.02
North bdy.	East	479.55			479.55		
East bdy.	South	430.36		430.36			
Convergency					.41		
Totals			450.13	459.85	480.27	480.65	
			449.80	459.85	480.03	480.65	
Errors in lat. and dep.			0.33	0.00	0.24	0.00	

General Description.

These lines run over gently rolling, level and mountainous land. Tp. 20 S., R. 18 E., is mountainous in the Northwest and Southeast and gently rolling in the central and Eastern parts. The township should be subdivided.

U. S. Deputy Surveyor.

J. R. Barthelany

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Passimiro 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 survey of East of North Boundary of T 20 S R 18 E

showing the respective capacities in which they acted:

Arthur Pogue Chairman.

Harry Mallory Chairman.

Louis Renaud Moundman.

..... Moundman.

S. C. Miller Axman.

..... Axman.

H. B. Milliken Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Passimiro R. Barthelmy

....., United States Deputy Surveyor, in surveying all those parts or portions of the East of North Boundary of T 20 S R 18 E.

..... of the Sila of Salt River Base and 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

Arthur Pogue Chairman. ✓

Harry Mallory Chairman. ✓

Louis Renaud Moundman. ✓

..... Moundman.

S. C. Miller Axman. ✓

..... Axman.

H. B. Milliken Flagman. ✓

Subscribed and sworn to before me this 11th day of August, 1906

H. G. Power



BOOK 1911

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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 14th 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 East and North Boundary of Township 20 South Range 18 East

of the Gila and Salt River Base and 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 11th day of August, 1906



Allan B. James
CLERK U. S. DISTRICT COURT
FIRST JUDICIAL DISTRICT, Phoenix

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix A., March 15th, 1907

The foregoing field notes of the survey of the North and East Boundaries of T 20 S R. 18 E, of the Gila and Salt River Base and Meridian, in the Territory of Arizona

executed by Casimiro R. Barthelmy U. S. deputy surveyor under his contract No. 139, dated April 14th, 1906, 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.