

-1814-

Spain G. J.

FIELD NOTES

RE
OF THE SURVEY OF THE

BOOK 1814

*South and West Boundaries
of T. 18 N. R. 11 E.*

1814

-1814-

Of the Gila & Salt River Base Meridian,

AS SURVEYED BY

Wm. C. Dietrich, United States Deputy Surveyor,

under his Contract No. *123*, dated *September 15*, 190*5*

Survey commenced *April 8*, 190*5*

Survey completed *April 27*, 190*5*

NAMES AND DUTIES OF ASSISTANTS.

Frank K. Blair Chairman

Frank A. Dietrich

John M. Prager Moundman

Fred. Eagles Axman

Walter Percival Plagman

BOOK 1814

INDEX DIAGRAM.

Township 18 N, Range 11 E

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

73
1C
BOOK 1814

WE, Frank K. Blair and Frank A. Dietrich
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 the Resurvey of the South & West Bdy. T. 18 N. R. 11 E.
Frank K. Blair, Chainman.

Frank A. Dietrich, Chainman.

Subscribed and sworn to before me this 8th
day of April, 1905



Edgar C. Dietrich
U.S. Deputy Surveyor

John M. Prager and
do solemnly swear that ~~we~~ ^{me} will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the survey of the Resurvey of the South and West Bdy. T. 18 N. R. 11 E.

John M. Prager, Moundman.
Moundman.

Subscribed and sworn to before me this 8th
day of April, 1905



Edgar C. Dietrich
U.S. Deputy Surveyor

Fred. Pagler and
do solemnly swear that ~~we~~ ^{me} will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the survey of the South & West Boundaries T. 18 N. R. 11 E.

Fred. Pagler, Axman.
Axman.

Subscribed and sworn to before me this 8th
day of April, 1905



Edgar C. Dietrich
U.S. Deputy Surveyor

I, Walter Percival, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the South & West Boundaries T. 18 N. R. 11 E.

Walter Percival, Flagman.

Subscribed and sworn to before me this 8th
day of April, 1905



Edgar C. Dietrich
U.S. Deputy Surveyor

No notary public available

Survey commenced April 8th, 1905, and executed with a Young & Sons Light Mountain Transit No. 5609 with Solar attachments. 1 D

Instrument was examined and tested on the true meridian at Phoenix, and found correct, and was approved by the Surveyor General of Arizona.

I examined the adjustments of the transit and corrected the level and collimation errors, then to test the Solar apparatus by comparing this indication, resulting from Solar observations made during A.M. and P.M. hours, with the meridian determined by observations on Polaris;

I proceeed as follows:

At the Cor. of Tps. 17 & 18 N. Rs. 10 & 11 E. which is a cedar post marked and witnessed as described by the Surveyor General.

I observe that new bearing trees have been marked at this corner which bear as follows:-

A cedar 5 ins. diam. brs N. 32° E. 317 lks dist., marked T. 18 N R. 11 E. S 31 B T.

A cedar 10 ins. diam. brs S. 37° E. 64 lks dist., marked T. 17 S R 11 E S 6 B T.

A pinon 5 ins diam. brs. S 19° W. 128 lks. dist., marked T 17 N R 10 E. S 1 B T.

A cedar 7 ins. diam. brs. N. $81\frac{1}{2}^{\circ}$ W. 209 lks. dist., marked T 18 N R 10 E S 36 B T.

Lat. $34^{\circ} 54'$ N. Longitude $111^{\circ} 8' 20''$ W.

At this Cor. I set off $34^{\circ} 54'$ N. on the lat. and at $7^{\circ} 16'$ N. on the decl. arc and at 4h. 42m P.M.

l.m.t. determine with the solar a meridian and marked a point thereof on a stone firmly set in the ground 5 chs. N. of the cor. and at 6h 13^{PM} by my watch which is correct I observe Polaris at Western elongation in accordance with Manual of Instructions and mark the point thus determined on a peg driven in the ground 5 chs. N. of my station.

April 8 1905.

BOOK 1814

April 9th. at 6h and 50m A.M. 1.m.t. I lay off the azimuth of Polaris $1^{\circ} 27'$ to the E. and mark the meridian thus determined by cutting a small groove in the stone set April 8th, on which the meridian falls $.3^{\text{ins}}$ E. of the mark determined by the Solar. At 8h 30m 1.m.t. I set off $34^{\circ} 54'$ on the lat. arc. and $7^{\circ} 31'$ on the decl. arc and mark a point on the meridian by a cross on the stone already set 5 chs. N of my station. This mark falls 0.3 ins. W. of the meridian as established by the Polaris observation. The solar apparatus by P.M. and A.M. observations defines positions for meridians respectively $0' 16''$ E. and W. on the meridian established by the Polaris observations. Therefore, I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 8h 30m is N. $13^{\circ} 45'$ W. The angle thus determined gives the magnetic variation $13^{\circ} 45'$ E.

Thence I run,

40.34

E. bet. secs. 6 and 31 marking and blazing old line Over rolling land through cedar timber.
 I reset a malpais stone 18 X 8 X 3 ins. 12 ins. in the ground in its original position for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which
 A cedar 4 ins. diam. brs N. $27-1/2^{\circ}$ W. 14 lks dist, marked $\frac{1}{4}$ S 31 B T.
 A cedar 18 ins. diam. brs. S. $56\frac{1}{2}^{\circ}$ E 149 lks dist. marked $\frac{1}{4}$ S 6 B T
 Thence E. from $\frac{1}{4}$ Sec. Cor.

40.45

Reset malpais stone 18 X 8 X 4 ins. 12 ins in the ground for cor. of secs. 5, 6, 31 and 32, in its original position, marked with 5 notches on E. and 1 notch on W. edges. from which
 A cedar 10 ins. diam. brs. N. $84-1/2^{\circ}$ E. 50 lks dist, marked T 18 N R 11 E S 32 B T.
 A cedar 8 ins. diam brs. S. $23\frac{1}{2}^{\circ}$ E. 10 lks dist, marked T. 17 N R 11 E S 5 B T.

A cedar 8 ins. diam brs S $58\frac{1}{2}^{\circ}$ W. 28 lks dist,
marked T 17 N R 11 E S 6 B T.

BOOK 1814

A cedar 8 ins diam. brs. N. $4-1/2^{\circ}$ W. 26 lks dist,
marked T. 18 N R 11 E S 31 B T.

Land, rolling.

Soil, rocky; 4th rate.

Timber cedar.

Heavily timbered land 80.79 chs.

East bet. secs. 5 & 32

Over rolling land, through cedar timber.

2.50 Descend, brs N.W. & S.E.

14.85 Wash 50 lks wide, course S.E. Ascend.

25.50 Top of ascent brs. N.W. and S.E.

40.00 *OK* *M* Reset a malpais stone 18 X 8 X 4 ins. 12 ins. in the
ground in its original position for $\frac{1}{2}$ Sec. Cor.
marked $\frac{1}{2}$ on N. face, from which

A cedar 5 ins. diam. brs N $14-3/4^{\circ}$ W. 82 lks dist,
marked $\frac{1}{2}$ S 32 B T.

A pinon 7 ins diam. brs S. $7\frac{1}{2}^{\circ}$ E. 78 lks dist.,
marked $\frac{1}{2}$ S. 5 B T.

65.80 Thence E. from $\frac{1}{2}$ Sec. Cor,

23.80 Descend

39.80 *OK* *M* Reset a malpais stone 18 X 8 X 4 ins. 12 ins in the
ground in its original position for cor. of secs.
4, 5, 32 & 33 marked with 2 notches on W. and 2 notches
on E. edges. from which

A cedar 4 ins. diam. brs. N. 42° E. 16 lks dist.,
marked T 18 N R 11 E S 33 B T.

A pinon 4 ins. diam. brs. S. 64° W. 70 lks dist.,
marked T. 17 N R 11 E S 4 B T.

A pinon 6 ins. diam. brs S. 30° W 43 lks dist.,
marked T 17 N R 11 E S 5 B T.

A cedar 8 ins. diam brs. N. $26\frac{1}{2}^{\circ}$ W 29 lks dist ,
marked T 18 N R 11 E S 32 B T.

Land, rolling & mountainous.

Soil, rocky; 4th rate.

BOOK 1814

Timber, cedar.

Mountainous and heavily timbered land 79.90 chs.

East bet. secs. 4 & 33

Over rolling and mountainous land, through cedar timber

29.50

Descend

39.98 ReSet a malpais 18 X 10 X 6 ins. 12 ins. in the ground

in its original position for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face. from which,

A cedar 4 ins. diam. brs S. 6° W. 40 lks dist., marked $\frac{1}{4}$ S 4 B T.

A cedar 5 ins. diam. brs N 9-1/2° W. 31 lks. dist, marked $\frac{1}{4}$ S 33 B T.

Thence, ^{East} from $\frac{1}{4}$ Sec. Cor.

8.00

Enter rolling land.

40.78

Reset a malpais stone 18 X 8 X 3 ins 12 ins in the ground in its original position for cor. of secs.

3, 4, 33 & 34, marked with three notches on E & W edges, from which

A cedar 8 ins. diam brs. N. 41° E. 258 lks. dist., marked T 18 N R 11 E S 34 B T

A cedar 10 ins. diam. brs S. 86 1/2° E. 170 lks dist., marked T 17 N R 11 E S 3 B T.

A cedar 20 ins. diam. brs S. 81° W. 439 lks. dist. marked T 17 N R 11 E S 4 B T.

A cedar 18 ins. diam. brs N. 88 1/2° W. 436 lks. dist., marked T 18 N R 11 E S 33 B T.

Land, mountainous and rolling.

Soil, rocky & sandy, 4th rate.

Timber cedar.

Heavily timber land 80.76 chs.

E. bet. secs. 3 & 34

Over rolling land, through cedar timber.

BOOK 1814

39.95 Reset a limestone 18 X 8 X 6 ins. 12 ins. in the ground in its original position for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which

A pinon 8 ins. diam. brs N. 66° E. 26 lks. dist., marked $\frac{1}{4}$ S 34 B T.

A cedar 10 ins. diam brs S 34° W. 43 lks dist., marked $\frac{1}{4}$ S 3 B T.

Thence East from $\frac{1}{4}$ Sec. Cor.

31.80 Descend, brs. N.W. & S.E.

26.50 Foot of descent

27.10 Wash 50 lks wide, course S.E.

40.72 Reset a limestone 18 X 10 X 3 ins 12 ins. in the ground in its original position marked with 2 notches on E. and 4 notches on W. edges. from which

A pinon 6 ins. diam. brs N. 29-3/4° E. 75 lks dist., marked T 18 N R 11 E S 35 B T

A pinon 4 ins. diam. brs. S. 8° E. 24 lks dist., marked T 17 N R 11 E S 2 B T.

A pinon 4 ins. diam. brs S. 70-3/4° W. 50 lks dist., marked Tp. 17 N R 11 E S 3 B T.

A pinon 5 ins. diam. brs. N. 42-1/2° W. 201 lks. dist marked T 18 N R 11 E S 34 B T.

Land, rolling and mountainous.

Soil, sandy & rocky; 3rd and 4th rates.

Timber, cedar.

Heavily timbered land 80.07.chs.

April 9th, At this cor. I set off 7° 33' N. on the decl. arc and at 12h 2m l.m.t. observe the sun on the meridian. The resulting lat. is 34° 54' N.

East bet. secs. 2 & 35

Descending through cedar timber.

6.30 Foot of descent, and wash 50 lks wide, course N. Ascend.

40.48 Reset a limestone 18 X 10 X 5 ins. 12 ins. in the ground in its original position for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on

OK

N. face, from which

A cedar 5 ins. diam brs. N. $46-1/2^\circ$ E. 26 lks. dist,
marked $\frac{1}{2}$ S 35 B T.

A cedar 5 ins. diam brs. S. $72\frac{1}{2}^\circ$ W. 68 lks. dist.,
marked $\frac{1}{2}$ S 2 B T.

Thence East from $\frac{1}{2}$ Sec. Cor.

39.35

OK

Reset a limestone 18 X 10 X 5 ins. 12 ins. in the
ground in its original position for cor. of secs.

1, 2, 35 & 36 marked with 1 notch on E. and 5 notches
on W. edges, from which

A cedar 8 ins. diam. brs. N. $73\frac{1}{2}^\circ$ E. 32 lks. dist,
marked T 18 N R 11 E S 36 B T.

A cedar 10 ins. diam. brs S $42\frac{1}{2}^\circ$ E. 51 lks. dist
marked T 17 N R 11 E S 1 B T.

A cedar 10 ins. diam. brs S $59-3/4^\circ$ W. 67 lks. dist.,
marked T 17 N R 11 E S 2 B T.

A cedar 8 ins. diam. brs N $28-3/4^\circ$ W. 32 lks dist.,
marked T 18 N R 11 E S 35 B T.

Land, mountainous and rolling.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous & heavily timbered land 80.33 chs.

East bet. secs. 1 & 36

Over rolling land, through cedar timber.

40.06 OK
Reset a limestone 18 X 12 X 5 ins. 12 ins in the
ground in its original position for $\frac{1}{2}$ Sec. Cor.

marked $\frac{1}{2}$ on N. face. from which

A cedar 6 ins. diam. brs N. 41° W. 10 lks dist.
marked $\frac{1}{2}$ S 36 B T.

A cedar 4 ins. diam. brs S. 7° W. 28 lks dist.,
marked $\frac{1}{2}$ S 1 B T.

Thence E. from $\frac{1}{2}$ Sec. Cor.

40.04

The cor. of Tps. 17 & 18 N. R. 11 & 12 E.

Land, rolling.

Soil, rocky; 4th rate.

Timber, cedar.

BOOK 1814

Heavily timbered land 80.²⁰~~00~~ chs.

April 9th.

General Description

This line runs over rolling and mountainous land, through cedar timber. There is no water except during the rainy season on this land. There are no settlers living in Tp. 17 N R 11 E.

Edgar L. Dietrich
U.S. Deputy Surveyor.

For the purpose of testing the closings of the subdivision lines on said boundary and certain irregularities that appear to exist in measurement and alignment, I proceed to resurvey the same as follows:

Survey commenced April 25th, 1905, and executed with a Young & Sons Light Mountain Transit No. 5609 with Solar attachment, the horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers with latitude and declination arcs.

Instrument was examined and tested on the true meridian at Phoenix, Arizona, and found correct, and was approved by the Surveyor General of Arizona.

I examined the adjustments of the Transit and corrected the level and collimation errors, then to test the Solar apparatus by comparing this indication, resulting from Solar observations made during A.M. and P.M. hours with the meridian determined by observations on Polaris.

I proceed as follows:-

At the Cor. of Tps. 17 and 18 N. R. 10 & 11 E. as heretofore described I set off $34^{\circ} 54'$ on the lat. arc and $13^{\circ} 13'$ N. on the decl. arc and at 3h 32m P.M. l.m.t. and determined with the Solar a meridian; mark a point thereof on the stone set firmly in the ground April 8th 5 chs. N. of cor.

A

April 25th

April 26th at 5h 4m A.M. by my watch, which is correct I observe Polaris at Eastern elongation in accordance with manual of Instructions, and mark the point thus determined with a pin driven in the ground 5 chs. N. of my station. At 6h 45m A.M. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 27'$ to the W. and mark the meridian thus determined by cutting a small

groove in the stone set April 8th, on which the meridian fall 0.4 ins. W. of the mark determined by the Solar.

At 8h 25m 1.m.t. I set off $34^{\circ} 54'$ ^{or lat. arc.} and $13^{\circ} 27'$ N. _{ARC} on the decl.--and mark a point in the meridian determined by the Solar in the stone 5 chs. N. of my station, the mark falls 0.4 ins. W. of the meridian as established by the Polaris observations.

The Solar apparatus by P.M. and A.M. observations defines positions for meridians respectively about $0^{\circ} 21'$ E. and W. of the meridian established by the Polaris observation. Therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 25m is N. $13^{\circ} 46'$ W. The angle thus determined gives the magnetic variation $13^{\circ} 46'$ E.

Thence I run,

N. bet. secs. 31 & 36

Over rolling and mountainous land.

40.13 Reset a malpais 18 X 8 X 4 ins 12 ins in the ground in its original position for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$ on the W. face, from which

A cedar 6 ins. diam. brs S. 82° W. 40 lks dist. marked $\frac{1}{4}$ S 36 B T.

No other tree available, and raise a mound of stone 2 ft base 1-1/2 ft high W. of cor.

Thence N. from $\frac{1}{4}$ Sec. Cor.

33.40 Washa 20 lks wide, course S.E Ascend.

40.21 Reset a malpais stone 18 X 6 X 4 ins. 12 ins in the ground in its original position, marked with 1 notch on S. and 5 notches on N. edges, from which

A pine 10 ins. diam brs N. $48-1/2^{\circ}$ E. 17 lks dist., marked T 18 N R 11 E S 30 B T.

A pine 10 ins diam. brs. S. $39-1/2^{\circ}$ E. 58 lks. dist, marked T. 18 N R 11 E S 31 B T.

A cedar 4 ins. diam brs S. $35\frac{1}{2}^{\circ}$ W. 106 lks. dist.

marked T. 18 N R ¹⁰ ~~11~~ E S 36 B T.

A pine 10 ins. diam. brs. N. $47-1/2^\circ$ W. 14~~8~~ lks. dist.,

marked T 18 N R 10 E S 25 B T.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

Timber cedar, and a few pine.

Mountainous land, 6.81 chs.

April 26, 1905.

April 27th at 9h 35m A.M. 1.m.t. I set off $34^\circ 55'$ N. on the lat. arc; and $13^\circ 47'$ N. on the decl. arc. and determine a meridian with the solar at the cor. of secs. 25, 30, 31 and 36.

Thence I run,

N. $0^\circ 27' 00''$ E. through dense cedar timber.

10.00 Leave dense cedar timber. Brs. E. & W.

39.90 Reset a malpais stone 18 X 8 X 6 ins. 12 ins in the ground in its original position for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on W. face, and

Raise a mound of stone 2 ft. base 1-1/2 ft high W. of cor.

Thence from $\frac{1}{2}$ Sec. Cor.

N. $0^\circ 27' W.$

39.86 Reset a malpais stone 18 X 8 X 6 ins. 12 ins. in the ground in its original position for cor. of secs. 19, 24, 25 & 30, marked with 2 notches of S. and 4 notches on ~~2~~ ² faces. and

Raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.

Land, rolling and mountainous.

Soil, rocky; 4th rate'

Timber, cedar and a few pine.

Mountainous land 79.76 chs.

Thence N. 3° 20' W. over rolling land, through dense cedar.

Bet. secs. 19 & 24.

40.63 *OK* Reset old $\frac{1}{4}$ sec. cor in its original position. Set a malpais stone 18 X 10 X 4, 12 ins. in the ground, marked $\frac{1}{4}$ on W. face, from which

A cedar 12 ins. diam. brs. S. 80-1/2° ^W 172 lks. dist, marked $\frac{1}{4}$ S 24 B T.

A cedar 12 ins. diam. brs. N. 82-1/2° E. 169 lks dist, marked $\frac{1}{4}$ S 18 B T.

Thence from $\frac{1}{4}$ Sec. Cor.

N. 2° 50' W. through dense cedar timber.

6.40 Gulch 10 lks wide, course N.E. & leave dense timber.

40.05 *OK* The cor. of secs. 13 and 24. Reset a malpais 18 X 8 X 8 ins' 12 ins. in the ground in its original position, marked with 3 notches of N. & S. edges. And which ~~Raise a mound of stone 2 ft. base 1-1/2 ft. high W.~~ of Cor.

Land, rolling

Soil, rocky; 4th rate.

Timber, cedar and a few pine.

Dense Timber 47.03

April 27. 12h 5m P.M. l.m.t. Unable to take lat. on account of clouds obscuring sun.

N. 1° 20' W. bet secs. 13 & 18 through dense cedar timber

39.64 *OK* Reset a malpais stone 18 X 10 X 8 ins. 12 ins. in the ground in its original position marked $\frac{1}{4}$ on W. face. and raise a mound of stone 2 ft. base 1-1/2 ft high W. of cor.

Thence N. from $\frac{1}{4}$ Sec. Cor.

32.80 Descend steep bluff, brs N.W. & S.E.

40.73 Reset a malpais stone 18 X 10 X 6 ins. 12 ins in the ground in its original position for cor of secs. 12 & 13, Tp 18 ^N R 10 E., from which

A cedar 6 ins. diam. brs N. 320/° W. 18 lks. dist., marked T 18 N R 10 E S 12 B T.

A cedar 10 ins. diam brs S. 30° W. 24 lks dist, marked T 18 N R 10 E S 13 B T.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

Timber, cedar and a few pine.

Mountainous land, 80.37 chs.

N. 1° 14' W. bet. secs. 7 & 12, over mountainous land, through dense cedar timber.

13.50 Gulch, 10 lks wide, course N.E.

39.70 ^{a. malpais} Reset, 18 X 10 X 8 ins. 12 ins. in the ground in its original position, marked with $\frac{1}{4}$ on W. face, from which,

A pinon 6 ins" diam brs S. 51-1/2° E. 27 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A cedar 14 ins. diam. brs. N 39-1/2° W. 31 lks dist., marked $\frac{1}{4}$ S 12 B T.

Thence from $\frac{1}{4}$ Sec. Cor. N. 5° 5' W. through dense cedar timber.

39.53 The cor. of secs. 1, 6, 7 & 12.

Reset a malpais 18 X 10 X 10 ins. 12 ins. in the ground in its original position for cor. to secs. 1, 6, 7 & 12 marked with 5 notches on S. and 1 notch on N. edges.

And set a mound of stone. from which,

A cedar 5 ins. diam brs N. 52 ° E. 20 lks dist., marked T 18 N R 11 E S 6 B T.

A cedar 14 ins. diam. brs S. 24° E. 8 lks dist., marked T 18 N R 11 E S 7 B T.

A cedar 8 ins. diam. brs. S. 66° W. 17 lks dist., marked T 18 N R 10 E S 12 B T.

A cedar 8 ins. diam. brs. N. 59 1/2° W. 21 lks. dist., marked T 18 N R 10 E S 1 B T.

Land, mountainous and rocky.

Soil, rocky; 4th rate.

Timber, heavy cedar, scattering pinon.

Mountainous and dense timbered land 79.23 chs.

N. 5° 50' E. bet secs. 1 & 6

- Over mountainous land. Descending through dense cedar and scattering pinon.
- 6.40 Dry wash 10 lks wide, course N.E. Ascend.
- 8.50 Top of ascent.
- 39.87 *OK* Reset a malpais 18 X 12 X 5 ins. $\frac{1}{2}$ ins. in the ground in its original position, marked $\frac{1}{2}$ on W. face, and set in a mound of stones. From which
- A cedar 10 ins. diam. brs. S 60° E. 5 lks. dist., marked $\frac{1}{2}$ S 5 B T.
- A cedar 12 ins. diam. brs. S. 70° W. 4 lks dist., marked $\frac{1}{2}$ S 1 B T.
- Thence N. 1° 54' E. from $\frac{1}{2}$ Sec. Cor. Over gently rolling land, heavy cedar and through scattering pinon.
- 28.00 Creek 30 lks wide, course N.E.
- 28.50 Trail, course N.E.
- 30.05 Trail, course N.E.
- 40.42 Reset a malpais 18 X 8 X 6 ins. 12 ins in the ground in its original position for cor of Tps. 18 & 19 N., R's 10 & 11 E. from which
- A cedar 12 ins. diam. brs. N. 29 $\frac{1}{2}$ ° E. 56 lks dist., marked T 19 N R 11 E S 31 B T.
- A cedar 6 ins. diam. brs S. 43-1/2° E. 18 lks dist., marked T 18 N R 11 E S 6 B T.
- A cedar 14 ins. diam. brs S 21-1/2° W. 83 lks. dist., marked T 18 N R 10 E S 1 B T.
- A cedar 16 ins. diam. brs N. 8-1/2° W. 24 lks dist., marked T 19 N R 10 E S 36 B T.
- Land, mountainous and gently rolling.
- Soil, stony and gravelly; 4th rate.
- Timber, bedar.
- Mountainous and heavily timbered land 80.29 chs.

April 27th, 1905.

GENERAL DESCRIPTION

This line runs over rolling and mountainous land through cedar timber. There is no water on this land.

LIST OF NAMES.

A list of the names of the individuals employed by *Edgar C. Dietrich*

....., 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 South and West Bds. of T 18 N. R 11 E* showing the respective capacities in which they acted:

Frank K. Blair Chairman.

Frank A. Dietrich Chairman.

John M. Prager Moundman.

Fred Tagles Moundman.

Fred Tagles Axman.

Walter Percival Axman.

Walter Percival Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted *Edgar C. Dietrich*

....., United States Deputy Surveyor, in surveying all those parts or portions of the *South and West Boundaries of T 18 N. R 11 E*

..... of the *Gila and Salt River Basins* 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*

Frank K. Blair Chairman. ✓

Frank A. Dietrich Chairman. ✓

John M. Prager Moundman. ✓

Fred Tagles Moundman.

Fred Tagles Axman. ✓

Walter Percival Axman.

Walter Percival Flagman. ✓

Subscribed and sworn to before me this *27th* day of *April*, 190*5*



Edgar C. Dietrich
U. S. Deputy Surveyor

No notary public available,

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BOOK 1814

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Edgar C. Dietrich, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for the Territory of Arizona, bearing date of the 15th day of September, 1905, 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 the Territory of Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the South and West Boundaries of T 18 N. R 11 E

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 the Territory of Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Edgar C. Dietrich
United States Deputy Surveyor.

Subscribed by said Edgar C. Dietrich, and sworn to before me }
this 9th day of August, 1905

Clinton D. Hoover
Clerk, District Court, First
Judicial District of Arizona
By Richard J. Jagers, Deputy



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ar., Aug. 11th, 1905.

The foregoing field notes of the survey of the South and West boundaries of T 18 N, R 11 E, of the Gila and Salt River Base and Meridian, in the territory of Arizona.

executed by Edgar C. Dietrich, U. S. deputy surveyor under his contract No. 123, dated September 15th 1904, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above described surveys in _____ has been correctly copied from the original notes on file in this office.

United States Surveyor General.