Book a.

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2045

Oct 21/0/ SEH. 26 1908

1

BOOK 2045 FIELD NOTES

OF THE SURVEY OF THE

| SOUTH BOUNDARY OF THE PT. Huachuca Military Reservation. 2045 2045 Of the GILA & SALT RIVER BASE AND Meridian, Viewitery of Origona AS SURVEYED BY Philip Contact AS URVEYED BY Philip Contact As dated April 12, 1906, 190 areay commenced July 5 ,1906 Procey commenced July 5 ,1906 | | | • | |
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Meanders Page.....

BOOK 2049 PRELIMINARY OATHS OF ASSISTANTS. and Harry 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 Reservation Subscribed and sworn to before me this do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of The Ruschuca Militar Reservation Moundman. . Moundman. Subscribed and sworn to before me this 190 6 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 Subscribed and sworn to before me this. do solemnly swear that I will well and trulygman according to instructions given me, to the best of my skill and ability, in the survey of the South boundary Subscribed and sworn to before me this ... day of

6-151

My Commission Expuses 1242 22th, 1908.

INTRODUCTION TO THE SURVEY OF THE BOUNDARY OF THE FT. HUACHUCA MILITARY RESERVATION THROUGH TPS. 22 AND 23 SOUTH, RANGE 20 EAST. GILA AND SALT RIVER BASE AND MERIDIAN.

Close inspection of the premises reveals the fact that the watershed between Tanner's and Ramsay's Canyons, which forms the Southern Boundary of the Ft. Huachuca Military Reservation, is rather indefinite, especially in the Eastern portion of Range 20 East, where several smaller canyons are located between the two aforementioned. In the Western portion the watershed is well defined between these canyons, therefore I conclude that the boundary would necessarily run from Cor. No. 6, as already established on the Eastern end of a spur or ridge, and follow up this ridge or watershed to connect with the well defined portion of the watershed between Tanner's and Ramsay's Canyons. This line is very irregular, and in order to properly survey T. 23 S., R. 20 E., I deem it necessary to first establish the watershed by metes and bounds and thus eliminate any possible overlapping of the Public Land Survey with the Reservation and to enable the calculation of areas of the fractional sections bounding thereon. Therefore I proceed to Cor. No. 6, as heretofore established, which is now the remains of an oak post in a mound of stone, first taking a Polaris observation as follows:-

S. Boundary of Ft. Huachuca Military Reservation.

Survey commenced July 5, 1906, and executed with a Young & Sons light mountain transit with Smith's Solar AAttachemnt No. 5609, the horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arcs. The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona, July 1, 1906.

In my camp, in the S.E. , Sec. 34, T. 22 S., R. 20 E., Gila and Salt River Base and Meridian, Arizona, in latitude 31° 28', N., approximately, longitude 110° 17', W. I set off 31° 28', N. on the lat. arc; 22° 50' N. on the deal arc; 22° 50' N. on the decl. arc; and at 5h 4m., 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. July 5, 1906.

July 6: At Oh 38" a.m., by my watch which is o.k., I observe Polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station. At 6h 30m, a.m., lam.t., I lay off the Azimuth of Polaris 1º 24" to the west and mark the meridian thus determined, by cutting a small groove in the stone set July 5, 1906, on which the meridian falls 0.2 inst west of the mark determined by the solar. At 6 h 34 m., a.m., l.m.t., I set off 31° 28' N. on the lat. are and 22° 47' N. on the decl. are, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.4 ins. east of the meridian established by the Polaris observation. The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 0' 11" east and 0° 21" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments are satisfactory. The magnetic bearing of the true meridian at 6 h 30 m a.m., is N. 12° 27' W.; the angle th us determined gives the mag. decl. as S. 12° 27'/ E.

Thence I run N. 34° 30' E. from Cor. No. 6.

Ower mountainous land, descending.

Bottom, thence almost level by the Surveyor General.

To C C between Secs. 27 and 34, T 22 S R 20 E.as described

Then I return to cor. No. 6, which I reestablish as follows:

Set a quartzite stone, 18 X 14 X 12 ins., set in a large mound of stone, marked U.S M R COR No. 6 on N, and proceed to meander the watershed by the following courses and distances, to-wit:

5.00. 57.05



B. Bdy. Pt. Huachuca Military Reservation.

sheins Thence I run S. 56º 50' W. Over mountainous land, ascending along top of spur.
Through scattering oak timber.

Set a quartzite stone, 18 X 8 X 6 ons. i2 ins. in the ground, for Cor. No. 7, marked U.S M R COR 7 on N.W. face, and P.L on S.E. face, from which

An oak, 12 ins. diam., brs. N. 161 E., 125 lks.

dist., marked T 22 S R 20 E GOR 7 B T, S 34

An oak, 6 ins. diam., brs. S. 27° 45' W.128 lks.

dist., marked T 22 S R 20 E COR 7 B T, 8 34

An oak, 7 ins. diam., brs. N. 481 W.; 205 lks. dist. 15408 marked U S M R COR 7 B T, No other trees within limits; raised a mound of stone 3 ft. base, 2 ft. high N. 56° 50' E. of cor. Pits impracticable. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, scattering oak, Mountainous land, heavily timbered, exceptionally difficult to survey; 15.08 chs. Thence I run S. 65° 50' W., Over mountainous land, ascending through heavy oak timber. Set a quartzite stone, 18 X 10 X 5 ins., 12 ins. in the ground, for Cor. No. 8, marked U.S M R COR 8 on N.W. face, 4.60 and PL on SE face, from which
An oak, 6 ins. diam., brs. N. 721° E., 110 lks. dist.,
marked T 22 S R 20 E COR 8 B T. S 34

An oak, 14 ins. diam., brs. S. 18° 45' W., 53 lks.
dist., marked U S M R COR 8 B T.
An oak, 7 ins. diam., brs. N. 86° W., 105 lks. dist.,
marked U S M R COR 8 B T., No other trees within
limits. Reise a mound of stone, N 65° 50' E. Pits impracticable, Land, mountainous. Soil, gravelly, and stony; 3rd and 4th rate. Timber, scattering oak.

Mountainous land, exceptionally difficult to survey, 4.60 chs. Thence I run S. 180 10' W. Over mountainous land, ascending through scattering oak timber. 4.56 Set a quartzite stone, 18 X 10 X 8 ins., 12 ins. in t ground, for Cor. No. 9, marked U S M R COR 9 on N.W., 12 ins. in the and P L on S E face, from which An oak, 7 ins. diam., brs. S. 1210 W., 24 lks. dist. marked T 22 S R 20 E COR 9 B T, S 34 An oak, 6 ins. diam., brs. S. 55° W., 113 lks. dist. marked T 22 S R 20 E COR 9 B T.
An oak, 6 ins. diam., brs. N. 62° W., 128 lks. dist. marked U S M R COR 9 B T. An oak, 18 ins. diam., brs. N. 1410 W., 151 lks. dist., marked U S M R COR 9 B T. Bande mountainous one Soil, gravelly and stony; 3rd and 4th rate. Timber, scattering cak; undergrowth cak.

Mountainous land, exceptionally difficult to survey,

> Thence I run S. 670 40! W. Over mountainous land, ascending through scattering oak timber and brush.

in from a supposition of the property of the

4 .56 chs.

S. Bdy. Ft. Huachuca Military Reservation.

chains Set a quartzite stone, 18 X 10 X 6 ins., 12 ins. in th ground, for Cor. No. 10, marked U S M R COR 10 on N.W., and P L on S.E. face, from which 12 ins. in the An oak, 6 ins. diam., brs. N. 35 ° E., 259 lks. dist., marked U S M R COR 10 B T.

An oak, 7 ins. diam., brs. N. 3 kg W., 183 lks.

dist., marked T 22 S R 20 E COR 10 B T. 340 other

trees within limits. Raise a mound of stone 3 ft. base,

2 ft. high. N. 67° 40° E. of cor. Pits impracticable. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, oak, scattering; undergrowth, oak.
Mountainous land, exceptionally difficult to survey, 6.04 chs. Thence I min N. 340 40' E. Over mountainous land, ascending through scattering oak timber, and oak brush. Top of hill.

Set a quartzite stone, 18 X 8 X 6 ins., 12 ins. in the ground marked U'S M RCOR 11 on N., and P L on S. 11.09 face, from which An oak, 6 ins. diamu, brs. S. 1710 W., 27 lks. dist., marked T 22 S R 20 E 60R 11 B T.

An oak, 6 ins. diam., brs. S. 56 W., 112 lks. dist., marked U S M R COR 11 B T. Mo other trees within limits. Raised a mound of stone, 3 ft. base 2 ft. high, S 34° 40' E. Pits impracticable.
Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber; soattering oak; undergrowth, oak. Mountainous land, exceptionally difficult to survey, 11.09 chs. Thence I run S. 34 20 W. Over mountainous land, descending through scattering oak, timber and oak brush. Small gulch, course N.W.; ascend. Ridge, brs. N.W. and S.E.; descend. 5.30 16.00 20.90 Small guloh, course N.W.; ascend. Set a quartzite stone, 18 X 8 X 5 ins., ground too rocky to set stone in, so set in mound of stone, marked 29.20 USMR COR 13 on N.W., and P.L on S.E. face, from which An oak, 8 ins. diam., brs. S. 471° W., 110 lks. dist., marked T 22 S R 20 E COR 12 B T S 34
An oak, 12 ins. diam., brs. S. 82° W., 119 lks. dist., marked U S M R COR 12 B T, No other trees within limits; raised a mound of stone, 3 ft. base, 2 ft. high, N 34. 20' E. of cor. Pits i practicable. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, oak scattering; undergrowth, oak. Mountainous land, exceptionally difficult to survey, 29.20 ohs. Thence I run S. 67° W. e se och dan i 1727 Over mountainous land, ascending along top of ridge, through scattering oak timber and oak brush. Set a guartzite stone, 18 X 8 X 7 ins., 12 ins. in the ground, for Cor. No. 13, marked U S M R COR 13 on W., P L on S face, from which

An oak, 5 ins. diam., brs. N. 19 W., 78 lks. dist., marked U S M R COR 13 B T,

An oak, 6 ins. diam., brs. N. 86 W., 62 lks. dist., marked U S M R COR 13 B T. No other trees

within limits. Raised a mound of stone 3 ft. base 2 3.71 within limits. Raised a mound of stone, 3 ft. base, 2 ft. him N. 67° E. of cor. Pits impracticable.

chains Land, Mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, seattering oak; undergrowth, oak. Mountainous land, exceptionally difficult to survey, 3.71 chs. Thence I run S. 83º 45' W. Over mountainous land, along top of ridge, through scattering oak timber. 2.00

4.83

Enter dende oak brush, brs. N.W. and S.E.

Set a granite stone, 24 X 8 X 8 ins., in mound of stone, ground too rocky to set stone in, for dor. No. 14, marked U S M R COR 14 on N., P L on S. face, from which An oak, 9 ins. diam., brs. S. 2010 W., 217 lks. dist., marked T 23 S R 20 E COR 14 B T, S 4,

An oak, 5 ins. diam., brs. S 391 W., 66 lks. dist., marked T 23 S R 20 E COR 14 B T, S 4,

An oak, 5 ins. diam., brs. N. 10 W., 19 lks. dist., marked U S M R COR 14 B T,

An oak, 7 ins. diam., brs. N. 591 W., 40 lks. dist., marked U S M R COR 14 B T.

Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber souttering oak; undergrowth, oak. Mountainous land, land covered with dende undergrowth, exceptionally difficult to survey, 4.83 chs. July 6: At 12 h. 4 m., p.m., l.m.t., I set off 220 44! non the decl. arc; and observe the sun on the meridian; the resulting lat. is 310 27! 43" N.

Thence I run S. 87º 20' W.

Over mountainous land; descending through oak timber and dense oak brush.

Set a granite stone, 18 X 12 X 10 ins., in mound of stone, ground too rocky to set stone in, for Cor. No. 15, marked U S M R COR 15 on N.W. and P L on S. E. face, states and and of stone, 3 ft. base, 2 ft. high, N. 870 20 E. Pits impracticable. Trees in limits too small to mark.

Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, scattering oak; undergrowth, oak.

Mountainous land, covered with dense undergrowth,
exceptionally difficult to survey, 5.77 ohs.

Thence I run S. 17° 20' W.

Over mountainous land, descending through oak timber, and dense brush.

5.75 8.00

Small draw, course W., thence N.W. Small draw, courseNW., and gradually. 11,44

Small draw, course W., thence N.W.

Small draw, courseNW., amend gradually.

Top of N. slope of small ridge, brs. E. and W.

Set a granite stone, 18 X 8 X 5 ins., 12 ins. in the ground, for Cor. No. 16, marked U S M R COR 16 on N.W.

And P L on S E: face, from which

An oak, 6 ins. diam., brs. N. 31° 45' E., 32 lks.

dist., marked T 23 S R 20 E COR 16 B T, S 4,

An oak, 6 ins. diam., brs. S. 31° W., 22 lks. dist.

marked T 23 S R 20 E COR 16 B T, S 4,

An oak, 6 ins. diam., brs. N. 101° W., 43 lks. dist.

marked U S M R COR 16 B T,

An oak, 6 ins. diam., brs. N. 641° W., 49 lks. dist.

marked U S M R COR 16 B T.

Land, mountainous. Soil, gravelly; 3rd rate. Timber, oak; undergrowth, oak.
Mountainous land, sovered with dense undergrowth,
according 11 difficult a survey, 11,44 chs.

5.774

S. Bdy. FT. Huachuca Military Reservation.

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ohains
                 Thence I run
                 S. 79º W.
                 Over mountainous land, descending through scattering
                 oak timber.
Small draw, course N.; ascending along slope.
  18.20
                 Set a granite stone, 21 X 12 X 8 ins., 16 ins. in the ground, for Cor. No. 17, marked U S M R COR 17 on N W., and P L on S E., from which
  20.48
                         An oak, 5 ins. diam., brs. S. 4110 E., 165 lks. dist., marked T 23 S R 20 E COR 17 B T, $ 4
                         An oak, 7 ins. diam., brs. S. 5310 W., 118 lks. dist., marked T 23 S R 20 E COR 17 B TS 4
An oak, 8 ins. diam., brs. N. 100 45' W., 63 lks. dist., marked U S M R COR 17 B T,
An oak, 7 ins. diam., brs. N. 8410 W., 114 lks. dist., marked U S M R COR 17 B T.
                 Land, mountainous.
                  Soil, gravelly and stony; 3rd and 4th rate.
                 Timber, scattering oak; brush, oak.
Mountainous land, and land covered with dense undergrowth, exceptionally difficult to: survey, 20.48 chs.
                  Thence I run
                  s. 671. W.
                  Over mountainous land, ascending along top of rocky spur, through scattering oak timper and dense oak brush.
                 Set a quartzite stone, 21 X 10 X 8 ins., in mound of stone, ground to rocky to set stone in, marked U S M R COR 18 on N, and P L on S., from which An oak, 6 ins. diam., brs. N. 19 E., 112 lks. dist., marked U S M R COR 18 B T,
  18.15
                            An oak, 5 ins. diam., brs. S. 191 W., 35 lks. dist., marked T 23 S R 20 E COR 18 B T.S 4,
An oak, 5 ins. diam., brs. S. 62 W., 65 lks. dist., marked T 23 S R 20 E COR 18 B T. S 4,
An oak, 6 ins. ddam., br s. N. 211 W., 100 lks. dist., marked U S M R COR NO 18 B T.
                  Ratio a mound of storio, 3 ft. hase, 3 ft. high
                  Land, mountainnus,
                  Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, scattering oak; undergrowth oak.
Mountainous land, and land covered with dense undergrowth, exceptionally difficult to sureer, 18.15 chs.
                  Thence I run
N. 81º 05' W.
                  Over mountainous land, ascending through scattering oak
                  timber, and dense brush.
                  timber, and dense brush.

Set a guartzite stone, 18 X 8 X 7 ins., 12 ins. in the ground, for Cor. No. 19, marked U S M R COR 19 on N W., and P L on S.E., face, from which

An oak, 6 ins. diam., brs. S. 61 E., 142 lks.

dist., marked T 23 S R 20 E COR 19 B TS 5,

An oak, 12 ins. diam., brs. S. 51 45 E., 143 lks.

dist., marked T 23 S R 20 E COR 19 B TS 5,

An oak, 6 ins., diam., brs. S. 681 W., 57 lks. dist.,

marked U S M R COR 19 B T, X

An oak, 6 ins., diam., brs. N. 84 W., 33 lks. dist.,
     9.80
                             An oak, 6 ins. diam., brs. N. 81 W., 33 lks. dist., marked U S M R COR 19 B T.
                  Land, mountainous.
                  Soil, gravelly and stony; 3rd and 4th mate.
                  Timer; scattering oak; undergrowth, oak.
Nountainous land, and land covered with dense under-
                  growth, exceptionally difficult to survey, 9.80 chs.
                  Thence, I run
                  S. 49° 50' W.
                  Over mountainous land, ascending through oak timber
                  and dense mak brush.
                  Set a porphyry stone, 18 X 14 X 12 ins., in mound of
     8,80
```

(13)

S. Bdy. Ft. Huachuca Military Reservation.

```
chains
                   of stone, ground too rocky to set stone in, marked U.S.M.R. COR. 20 on W., and P.L. on E., from which An oak, 8 ins. diam., brs. East, 87 lks. dist., marked T. 23 S.R. 20 E. COR. 20 B.T. S. 5,

An oak, 5 ins. diam., brs. S. 241 E., 46 lks. dist., marked T. 23 S.R. 20 E. COR. 20 B.T. S. 5,

An innance 6 ins. diam. brs. S. 860 W. 51 lks.
                              Anjunkper, 6 ins. diam., brs. S. 86° W., 51 lks. dist., marked U S M R COR 20 B T, V
An oak, 5 ins. diam., brs. N. 33° W., 25 lks. dist.,
                               marked U S M R COR 20 B T.
                   Land, mountainous.
                   Soil, gravelly and stony; 3rd and 4th rate.
                   Timber, oak; undergrowth, oak.
                   Mountainous land, and land covered with dense undergrowth,
                   exceptherally difficult to survey; 8.80 chs.
                   Thence I run
                   S. 111. W.
                   Over mountainous land, ascending oak timber and dense
                  Set a porphyry stone, 18 X 12 X 6 ins., 12 ins. in the ground, for Cor. No. 21., marked U'S M R COR 21 on N.W. and P L on S.E. face, from which

An oak, 13 ins. diam., brs. N. 70° E., 128 lks. dist., marked T 23 S R 20 E COR 21 B Th S 5,
  7.70
                            An oak, 12 ins. diam., brs. S. 38° W., 98 lks. dismarked T 23 S R 20 E COR 21 B T, S 5,

An oak, 5 ins. diam., brs. S. 82° W., 90 lks. dist.

marked U S M R COR 21 B T,

An oak, 6 ins. diam., brs. N. 39° 45' W., 75 lks.

dist., marked U S M R COR 21 B T,

mountainous.
                                                                                                             98 lks. dist...
                  Land, mountainous.
                  Soil, gravelly and stony; 3rd and 4th rate.
                  Timber, oak; undergrowth, oak.
Mountainous land, and land covered with dense under-
                  growth, exceptionally difficult to survey, 7.70 chs.
                  Thence I run
S. 66° 35' W.
                  Over mountainous land, ascending through oak timber and
                 brush.

Set a porphyry stone, 28 X 16 X 12 ins., in mound of stone, ground too rocky to set stone in for Cor. No.

22, marked U S M R COR 22 on N., and P L on S. from which An oak, 5 ins. diam., brs. N. 29° E., 91 lks. dist., marked U S M R COR 22 B T, V

An oak, 14 ins. diam., brs. N. 891° E., 59 lks.

dist., marked T 23 S R 20 E COR 22 B T.S 5,

An oak, 13 ins. diam., brs. S. 501° W., 73 lks. dist., marked T 23 S R 20 E COR 22 B T.S 5,

An oak, 10 ins. diam., brs. N. 571° W., 46 lks. dist., marked U S M R COR 22 B T.
 10.68
                 Land, mountainous.
                 Soil, gravelly and stony; 3rd and 4th rate.
                 Timber, oak; undergrowth, oak.
Mountainous land, heavily timbered and covered with dense
                 undergrowth, exceptionally difficult to survey, 10.68 chs.
                                                                                       July 6, 1906.
                 July 7; At 7 a.m., 1.m.t., I set off 22° 40'Non the decl. arc; and 31° 27' N. on the lat. arc; and determine
                a true meridian at Cor. No. 23, of the S. by. of Ft. Huachuca Military Reservation.
                Thence I run
N. 72° 50' W.
               Set a porphyry stone, 21 X 12 X 8 ins., in mound of stone, impossible to set stone in ground on account of rocks,
10.55
                for Cor. No. 23, marked U.S.M.R. COR 23 on N., and P.L.
                   An oak, 9 ins. diam., brs. N. 522 'E., 39 lks.
```

marked U S M R COR 23 B T. V



South Bdy. Ft. Huachuca Military Reservation.

| - 1 | chains | | |
|----------|----------------|--|------------|
| l | CHATHE | An oak, 18 ins. diam., brs. S 57-1/2 W., 69 lks. | |
| | | All Oda, 10 lies Charles, odob 92 D m | |
| · | | dist., marked U S.M.R.COR 23 B.T. B.T. An oak, 18 ins. diam., brs. S. 725 W., 69 lks. | • |
| 1. | | An oak, 18 ins. diam., brs. S. 726° W., 69 IKS. | - |
| • | • | dist., marked U Schorron 23 Chr. 33 Chr. | |
| | | the state of the story bag W 290 W Q5 lkg. | ,, |
| | | An oak, 18 ins. diam., brs. N. 32° W., 95 lks. | • |
| | | dist., marked U S M R COR 23 B T. | |
| | | Land, mountainous. | • |
| | | Haller included the second and market and and 44h mate | |
| | ¥ | Soil, gravelly, stony and rocky; 3rd and 4th rate. | |
| | | Timber, oak and pine; undergrowth, oak. | |
| . / | | Mountainous land, heavily timbered and covered with | |
| | · | Mountainous land, nearly managed and to comment | |
| | | dense undergrowth, exceptionally difficult to survey, | • ' |
| | , | 10.55 chs. | |
| | | | * |
| | | | |
| | | Thence I run | |
| | | Sounh 44° 10! W. | |
| | ί | Over mountainous land, ascending steep through heavy | , , • |
| | | Over mountainers and a second | * |
| | | timber and dense brush. | · . |
| | 18.25 | Top. 800 ft. above Cor. No. 23, brs. N. and S., ascend. | |
| | 20.90 | Set a quartzite stone, 18 X 8 X 6 ins., in mound of | - |
| - | ₩V•90 | -tone amount to make to mat atoms in stand the | • |
| | | stone, ground too rocks to set stone in, for Cor. No. | |
| | | 24. marked U S M R COR 24 on N.W., and P L on S.E., | • |
| 4 | | from which | |
| ~ | | | |
| | , i | An oak, 18 ins. diam., brs. S. 37 E., 120 lks. | |
| , , ' , | | dist., marked T 23 S R 20 E COR 24 B T, S 5, | |
| | | An oak, 6 ins. diam., brs. S. 25° W., 72 lks. | . 1 |
| | | dist. marked T 23 S R 20 E COR 24 B T S 5, | • |
| - 1 d | | Table 1 25 B Rest I Start I St | |
| | | An oak, 24 ins. diam., brs. S. 75° W., 27 lks. | |
| | | dist., marked U S M R COR 24 B T, | |
| • | | An oak, 20 ins. diam., brs. N. 44° W., 54 lks. | |
| | | All Oak, SO This Clame, Dise No 32 We, Ox The | |
| | | dist., marked U.S.M.R.COR 24 B.T. | . *** |
| | | Land, mountainous. | |
| | | Soil, stony and rocky; 4th rate. | |
| | | SOIL, Stony and rocky, and radio | |
| | | Timber, oak and pine; undergrowth, oak. | · · |
| | | Mountainous land, heavily timbered, exceptionally | · ` |
| | | difficult to survey, 20.90 chs. | 4 |
| | | difficult to survey, so or one | |
| | | | |
| | | Thence Irun | |
| | ı | S. 54° 10' W. | |
| , | 1 | Over mountainous land, ascending steep through heavy | |
| | | | |
| | | timber. | |
| | 8.75 | Top of rocky spur, extends N.N.W. | |
| d | | Set a quartzite stone, 18 X 12 X 10 ins., in mound of | |
| | , | the second too positive to got atoms in Matter Adm | |
| | 1 1 4 | stone, ground too rocky to set stone in, flor cor. | 1 |
| | | 25, marked U S M R COR 25 on W., and P L on E. face, from | p m |
| | | which | |
| : " | 1 | An oak, 9 ins. diam., brs. S. 774° E., 23 lks. | ļ |
| | 1 | WILL COUNT OF THESE CHAMIST NEEDS NO. (12. The ton Tube | ŀ |
| • | | dist., marked I 23 S R 20 E COR 25 B T.S 5, | |
| | | A pine, 12 ins. diam., brs. S. 54° 45' E., 47 lks. | |
| | 1. * | dist., marked I 235R 20 E 60R 25 B T, S 5, | 1 |
| | | A did not 70 days adams and at APT of the COP The date | 14 |
| | | A pine, 12 ins. diam., brs. N. 432 W., 23 lks. dia | 90.9 |
| * | 1 14 2 2 2 2 2 | marked U S M R COR 25 B T, | 1 |
| 1 | | A pine, 16 ins. diam., brs. N. 75° W., 31 lks. dist | Н., |
| | | montrod if C 1/ D AAD OF D M | 7.** |
| | | marked U S M R COR 25 B T, | |
| | | Land, mountainous. | |
| ے. | .1 | Soil, stony and rocky; 4th rate. | · . |
| • 3 | · . | Timber, pine and oak; undergrowth, oak. | 1 |
| | | | |
| <i>p</i> | and the second | Mountainous land, heavily timbered, exceptionally diffic | quit - |
| | 1 . | to survey, 8.75 chs. | 1. |
| | 1: | The state of the s | 4 |
| | | Thanaa I min | 1 |
| | 1 31 3 | Thence I run | 1 . |
| | , kanaday da | S. 4º 10' E., | |
| , | 1 | Along top of spur through heavy timber. | 1 |
| | 77 40 | | |
| | 11,40 | Descend. | |
| | 20.45 | | |
| | 23.60 | | |
| | 31.10 | | 1 |
| | | | 1 |
| | 34.60 | | |
| | , | stone on rocky ground, for Cor. 26, marked U S M R COR | 1 |
| | . 1 | 26 on W., and P L on E. face, from which | 1 |
| | k . | A months 10 damed adams thank to Anal An An an | اـ |
| | 1 | Ambak, 12 inst, diam., brs. N. 356 E., 20 lks. dist | ч., |
| | 1. | <u>- 1</u> | 1 |

South Boundary of Ft. Huachuca Military Reservation.

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8
(15)
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marked T 33 IS IR ZO ECORTZ6 B T S 8,
An oak, 14 ins. diam., brs. N. 68° E., 12 lks. dist.,
  chain
                 marked T 23 S R 20 E COR 26 B T, S 8,

An oak, 24 ind. diam., brs. S. 651 W., 57 lks. dist.,
marked U S M R COR 26 B T, V
                 An oak, 14 ins. diam., brs. N. 491° W., 94 lks. dist., marked U S M R COR 26 B T.
                Land, mountainous.
               Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, pine, oak and pinon; undergrowth, oak. Mountainous land, heavily timbered, exceptionally diffi
                oult to survey, 34.60 chs.
                Thence I run
                S. 4510 W.
                Over mountainous land, ascending along ridge, through
               heavy timber.
               Set a quartzite stone, 21 X 14 X 12 ins., in mound of stone on rocky ground, for Cor. 27, marked U S M R COR 27 on W., and P L on E. face, from which
  7.35
                        A pine, 9 ins. diam., brs. N. 89° E., 14 lks. dist., marked T 23 S R 20 E COR 27 B T, S 8,
                        An oak, 14 ins. diam., brs. S. 431° E., 17 lks. dist., marked T 23 S R 20 E COR 27 B T, S 8,

A pine, 9 ins. diam., brs. N. 3° W., 30 lks. dist., marked U S M R COR 27 B T,
                        An oak, 9 ins. diam., brs. S. 73° W., 44 lks. dist., marked U S M R COR 27 B T.
               Land, mountainous.
                Soil, gravelly, stony and rocky; 3rd and 4th rate.
               Timber, pine, oak, pinongrundergrowth, oak, Mountainous land, heavily timbered, exceptionally difficult to survey, 7.35 chs.
               July 7. At 12 h 4 m., p.m., l.m.t., I set off 22° 38'\N. on the decl. arc; and observe the sun on the meridian;
                the resulting lat. is 31° 27' N.
                Thence I run
                S. 17º 35' W.
                Over mountainous land, along top of ridge, through heavy
               timber.
11.20
               Set a quartzite stone, 18 X 12 X 12 ins.
                                                                                         sold in mound
               of stone or rocky ground, for Cor. No. 28, marked
U S M R COR 28 on W., and P L on E face, from which
An oak, 20 ins. diam., brs. N. 81° E., 74 lks. dist.,
marked T 23 S R 20 E COR 28 B T, S 8,
                          A pine, 24 ins. diam., brs.$91 E., 35 lks. dist. marked U.S.M.R. COR 28 B.T.
                          An oak, ins. diam., brs. S. 341 E., 58 lks. dist., marked T 23 S R 20 E COR 28 B T S 84
                          A pine, 18 ins., diam., brs. S. 81° W., 28 lks. dist., marked U S M R COR 27 B T.
               dist., mark
Land, mountainous.
               Soil, stony and rocky; 4th rate.
               Timber, pine, oak, madrono; undergrowth, oak.

Mountainous land, heavily timbered, exceptionally difficult
to survey, 11.20 chs.
               Thence I run
S. 32º 30 ' E.
               Over mountainous land, along top of ridge, through heavy
               timber.
               Set a quartzite stone, 18 X 8 X 8 ins.,
 14.30
                                                                                      in mound of stone
               on stony ground, for Cor. 29, marked U'S M B COR 29 on W., and P L on E. faces, from which
                        An oak, 18 ins. diam., brs. S. 391° E., 40 lks. dist., marked 23 S R 20 E COR 29 B T, S 8,
                       A balsam., 9 ins. diam., brs. S. 21° W., 29 lks. dist., marked U S M R COR 29 B T.

A pinon, 7 ins. diam., brs. S. 42° W., 32 lks. dist., marked U S M R COR 29 B T.

An oak, 19 ins. diam., brs. N. 891° W, 57 lks.
```

chains

36.95

dist., marked U S M R COR 29 B T. Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, pine, oak, pinon, balsam. Undergrowth, oak: Mountainous land, heavily timbered, exceptionally difficult to survey, 14.30 chs.

Thence I run S. 35° 30' W.,

Thence I run

Over mountainous land, along ridge, through he avy

timber; descending. Divide; brs. N.E. and S.W.; ascend. 10.00

Etheatone shoptace, 4 X 3 x 7 ft. above ground, marked with cross (x) at point for Cor. No. 30, marked with 'U.S.M.R. COR 30 on W., and P L on E. of cross,

from which,

A pine, 32 ins. diam., brs. N. 66° E., 74 lks.
dist., marked T 23 S R 20 E COR 30 B T S 8,
An oak, 7 ins. diam., brs. S. 42° E., 18 lks.
dist., marked T 23 S R 20 E COR 30 B T,S 8,
An oak, 9 ins. diam., brs. N. 42° W., 27 lks.
dist., marked U S M R COR 30 B T,
A balsam, 12 ins. diam., brs. N. 15° W., 53 lks.
dist., marked T 23 S R 20 E COR 30 B T.

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

Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, pine, oak, balsam; undergrowth, oak. Mountainous land, heavily timbered and exceptionally difficult to surfey, 35.85 chs.

26.40

S. 8º 50' E. Over mountainous land, ascending through heavy timber. Top, brs. N.E. and S.W.

Set a limestone, 18 X 12 X 9 ins., in mound of stone ground too rocky to set stone in. for Cor. 31, marked U S M R COR 31 on W and P L on E faces; from which An oak, 9 ins. diam., brs. N. 28° E., 50 lks. dist., marked T 23 S R 20 E COR 31 BT,S 17, A pine, 20 ins. diam., brs. N. 66° E., 37 lks. dist., marked T 23 S R 20 E COR 31 B T,S 17, An oak, 6 ins. diam., brs. N. 81° W., 45 lks. dist., marked U S M R COR 31 B T,

A pine, 14 ins. diam., brs. N. 391° W., 100 lks. dist., marked U S M R COR 31 B T.

Land. mountainous. Top, brs. N.E. and S.W.

Land, mountainous. Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, pinon, oak, pine, balsam; undergrowth, oak. Mountainous land, heavily timbered, exceptionally difficult to survey, 26.40 chs.

July 7, 1906.

July 8, 1906. At 7 a.m., l.m., I set off 22° $34^{\circ}\sqrt{N}$ on the decl. arc; and 31° 26° N. on th lat. arc; and determine a true meridian with the solar at Cor. 31, of the S. bdy. of the Ft. Huachuca Military Reservation. Thence I run S. 44. 50' W.

Over mountainous land, descending through heavy timber.

Foot, brs. N. and S. Set a granite stone, 18 X 10 X 8 ins. in mound of stone, ground too rocky to set stone in, for Cor. 32, marked U S M R COR 32 on N.W., and P L on S.E. faces, from which

A pinon, 8 ins. diam., brs. N. 80° E., 20 lks. dist., marked T 23 S R 20 E COR 32 B T, S 17, A pinon, 8 ins. diam., brs. S. 6010 W., 54 lks. dest., marked T 23 S R 20 E COR 32 B T, S 17,

5.90

10

South Boundary of Ft. Huachuca Military Reservation.

| | Total Detailed of 108 Made Military Robot Validite |
|---|--|
| zhains | |
| #116/ T116 | |
| | A pinon, 7 ins. diam., brs. West, 73 lks. dist. |
| | marked U S M R COR 32 B T. |
| .1 / | A pine, 6 ins. diam., brs. N. 37º W., 10 lks. dist., |
| | marked U S M R COR 32 B T |
| | I and mainted main |
| | Land, mountainous. |
| | Soil, stony and rocky; 4th rate. |
| 1 | Timber, pinon, oak, pine; undergrowth, oak. |
| | .Mountainous land, heavily timbered, exceptionally diffi- |
| | cult to survey, 5.90 dgs. |
| | |
| | Thence I run |
| property of the | S, 77° 15' W. |
| 1 | |
| | Over mountainous land, ascending along ridge, through |
| 1 | heavy timber. |
| 13.20 | Topof ridge. |
| 1. | Set a granite stone, 21 X 14 X 7 ins., in mound of stone |
| | on stony ground, for Cor. No. 33, marked U S M R COR 33 |
| | on N., and P L on S. faces, from which |
| | A pine, 9 ins. diam., brs. N. 33 E., 72 lks. dist. |
| | marked U S M R COR 33 B T, V |
| | A mine 10 the standard to a |
| _ | A pine, 10 ins. diam., brs. S. 310 E., 65 lks. dist., |
| | marked T 23 S R 20 E COR 33 B T S 18, |
| | A ping, 14 ins, diam, brs. S. 66ke W. 57 lkg disk |
| | marked T 23 S R 20 E COR 33 B Tag 18 |
| | A pine, 30 ins. diam., brs. N. 530 W., 62 lks. dist. |
| | marked U S M R COR 33 B T. |
| 1 1 | |
| 1 | Land, mountainous. |
| 6 | Soil, gravelly and stony; 3rd and 4th tate. |
| [| Timber pine and oak. |
| | Mountainous land, heavily timbered, exceptionally difficult |
| [] | to survey, 13.20 chs. |
| | the size that they are not smooth upon the size that the s |
| | Thence I run |
| | N. 61° 50' W. |
| 1 | No OL 30 No |
| | Over mountainous land, descending through heavy timber. |
| 9.00 | Set a granite stone, 18 X 10 X 7 ins., in mound of stone on rocky ground, for Cor. 34, marked U S M R COR 34 B T, |
| | on rocky ground, for Cor. 34, marked U S M R COR 34 R T |
| [| A TO THE TOTAL OF TAGER TION MUTCH |
| | A pine, 24 ins. diam., brs. N. 85° E., 44 lks. dist., |
| | marked U.S.M.R. COR 34 B.T. |
| 1 | A Dine 18 ing diam has a 400 m and and |
| | A pine, 18 ins. diam., brs. S. 40° E., 17 lks. dist., |
| | 1201 NOU 1 20 D R 20 N COR 34 R T - S 10 - |
| | A pine, 24 ins. diam., brs. S. 25° W, 35 lks. dist., marked T 23 S R 20 E COR 34 B T, S 18, |
| | marked T 23 S R 20 E COR 34 B T, S 10, |
| | A pino, ao ins. diam. prs. N. 500 W. 26 lks. dist. |
| • | Marked U S M R COR 34 B T.V |
| | Land. mountainous. |
| | Soil, gravelly and stony; 3rd and 4th rate. |
| | Timber, pine, fir, oak and aspen. |
| ler i de | Mountainous land heavily timbered examples |
| | Mountainous land, heavily timbered, exceptionally difficult to survey. 9.00 chs. |
| | TO THE TOP OF THE TOP |
| | Thanaa T min |
| | Thence I run |
| | S. 70° 50' W. |
| 13.5 | Over mountainous land, descending through heavy timber. |
| 6.28 | Set a porphyry stone, 21 X 14 X 8 ins., 16 ins. in the |
| | ground, for Cor. No. 35, marked U S M R COR 35 on N., and |
| | P L on S., from which |
| | A nine, 33 ing diam bno w solo m areas |
| ; · · · · · · · · · · · · · · · · · · · | A pine, 33 ins. diam., brs. N. 581 E., 154 lks. dist., |
| ; l | marked U S M R COR 35 B T, |
| | A pine, 6 ins. diam., brs. S. 61° W., 57 lks. dist. |
| | marked T 23 S R 20 E COR 35 B T S 18. |
| | A pine, 36 ins. diam. brs. N. 5910 W. 54 lkg. dist |
| . • • | marked T 23 S R 20 E COR 35 B T.S 18. |
| | A pine, 40 ins. diam., brs. N. 4810 W., 68 lks. dist., |
| | marked USMR COR 35 BT. |
| | Land, mountainous. |
| | Soil, gravelly and stony; 3rd and 4th rate. |
| | Pimber, pine. |
| | Impre hour lord bands and |
| | Mountainous land, heavily timbered and exceptionally |
| 6 5.5 | |

South Boundary of Ft. Huachuca Military Reservation.

chains difficult to survey, 6.28 chs. Thence, I run N. 540 45' W. Over mountainous land, along top of spur, through heavy timber. Set a granite stone, 21 X 16 X 12 ins., in mound of stone, 7.62 ground too rocky to set stone in, for Cor. No. 36, marked U S M R COR 36 on N. and P L on S. faces, from which An eak, 9 ins. diam., brs. N. 31° E., 116 lks. dist. marked U S M R COR 36 B T,
A pine, 20 ins. diam., brs. S. 11° E., 141 lks dist., marked T 23 S R 20 E COR 36 B T. S 18, A pine, 18 ins. diam., brs. S. 341° W., 58 lks. dist., marked T 23 S R 20 E COR 36 B T.S 18, A pine, 18 ins. diam., brs. N. 77° W., 68 lks. dist., marked U.S. M. R. COR. 36 B.T. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, pine and oak. Mountainous land, heavily timbered, exceptionally difficult to survey, 7.62 chs. Thence I run S. 870 40' W. Over mountainous land, descending steep through heavy pine timber. 11.60 Trail, brs. S.W. and N.E. 33.00 Enter dense, brush, brs. N.E. and S.W. 43.00 Head of gulch, 1200 feet below cor. No. 36, thence along N. slope of ridge. along N. slope of ridge.

51.00
Ascend, brs. N.N.W.
Top of S.E. point of rocky ridge.
Set a porphyry stone, 21 X 14 X 10 ins., in mound of stone on rocky ground, for Cor. No. 37, marked U S M R COR 37 on N., and P L on S. faces, from which

An oak, 18 ins. diam., brs. N. 14° E., 43 lks. dist., marked U S M R COR 37 B T,

An oak, 18 ins. diam., brs. N. 70° E., 54 lks. dist., mkd. T 23 S R 19 E COR 37 B T,

An oak, 18 ins. diam., brs. S. 751° E., 54 lks. dist., marked T 23 S R 19 E COR 37 B T, S 13,

A pine, 6 ins. diam., brs. S. 52° W., 67 lks. dist., marked T 23 S R 29 E COR 37 B T.S. 12.

From this corner From this corner Cananea Peak brs. S. 5° E. Baboquivari Peak brs. N. 72° W. Rattlesnake Peak brs. S. 9° W. Peak on ridge N. of Tanner's Canyon brs. N. 17 20 W. Land, mountainous. Soil, gravelly and stony and rocky, 3rd and 4th rate.
Timber, pine, oak, fir, balsam, juniper, ask and madrono.
undergrowth, oak, buck brush and locust.
Mountainous land, heavily timbered, covered with dense undergrowth, exceptionally difficult to survey, 72,75 chs. Note: The sun was obscured by clouds at noon today, ould not take latitude. July 8, 1906.

U. S. Deputy Surjeyor.

(81)

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

| / | 12 | <u>/</u> |
|---|----|----------|
| (| A | 7) |
| ' | _ | |

| LIST OF | NAMES. | |
|--|--------------------------------------|--|
| A list of the names of the individuals employe | d by Phily | 6 Contres |
| , United States De | // | in running, measuring, and |
| marking the lines and corners described in the forego | | |
| boundary of the Huas | luca Mit | itary reservar |
| showing the respective capacities in which they acted | • | |
| Cath. | fur Poans | Oh aanmaan |
| | 100 | Chainman. |
| Tak | ry Mallo | , Chainman. |
| Xou | is Kenai | ZA, Moundman. |
| | | , Moundman. |
| | | , Axman. |
| \mathscr{O} | h MM. | |
| <u>X</u> . | o millar | \mathcal{L} , $Axman$. |
| | 13. Millike | Flagman. |
| FINAL OATH O | F ASSISTANTS | |
| We hereby certify that we assisted | hilifo (C) | nhen |
| | | |
| | | y Surveyor, in surveying all |
| those parts or portions of the South ha | un darf | of the |
| Guachuca Militar | a Reservi | ation |
| | | · · · · · · · · · · · · · · · · · · · |
| · | | |
| | | of the |
| meridian, | of | , which are represented |
| in the foregoing field notes as having been surveyed h | by him and under his dir | ection; and that said survey |
| has been in all respects, to the best of our knowledge | | • |
| corner monuments established, according to the ins | tructions furnished by | the United States Surveyor |
| General for Chilfona | | |
| | Tutta | Pagus Min |
| | mondy | Cory, Chainman. |
| <u>C</u> | Harry M | allory, Chainman. |
| | Louis d'en ai | , Moundman. |
| | | , Moundman. |
| L. O. M. Say | | |
| | | , Axman. \checkmark |
| | 2 300 , | , Axman. |
| \mathcal{H} | D. Mille | KEN, Flagman. |
| | | |
| 1h | | (|
| Subscribed and sworn to before me this | . 0 | |
| day of Clugust, 1906 | 21. 4. | Cawer |
| O SEAL O | para na Partito de Las. Mos Caras | The second secon |

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

1. Control of a contract received from formulate of a contract received from formulate of 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 of the United States Surveyor of 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.

United States Deputy Surveyor.

Subscribed by said tulip Coulque, and sworn to before me this //the day of august , 190 6

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the foregoing are the original field notes of such survey.

CLERK U. S. DISTRICT COURT FOR

United States Surveyor General.

APPROVAL.

General for ______ and in the specific manner described in the field notes, and that

| OFFICE OF THE UNITED | STATES SURVEYOR GENERAL, |
|--|---|
| The foregoing field notes of the survey of som dary of the Itua Chu in the Herritory of Arizo | STATES SURVEYOR GENERAL, Choenix all June 29, 1907 a portion of the South ca Military Reservation na. |
| <i>y D O</i> | |
| Q1.11.60-140 | 8 |
| • | Noril 12th 1906, 1900, having been and explanations made, the said field notes, and the |
| surveys they describe, are hereby approved. | Trank Dingalle |
| I certify that the foregoing transcript of the | United States Surveyor General. e field notes of the above-described surveys in |
| , has been correct | tly copied from the original notes on file in this office. |