

Accepted, Dept. letter E. June 1908

Book F

BOOK 2100

2100

# FIELD NOTES

2100

OF THE SURVEY OF THE

2100

SUBDIVISION OF FRAC. T. 15 S. R. 28 E.

*within the Camp Bowie Military Reservation, Abandoned.*

2100

Of the Gila and Salt River Base and Meridian,

Arizona.

AS SURVEYED BY

Jesse B. Wright, United States Deputy Surveyor,

Under his Contract No. 149, dated June 13, 1908, 190

Survey commenced October 20, 1908

Survey completed October 23, 1908

2100

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NAMES AND DUTIES OF ASSISTANTS.

Walter L. Morrison Chairman

Walter Percival "

Harvey H. Cook "

Marcell Vandrola Treasurer

Samuel Vandrola Secretary

Frank Jones - Reviewer

BOOK 2100

Book No. 2100

INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, See preliminary oaths of assistants in Book "D" and Books of Proc. 2p 14 PR 282

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

\_\_\_\_\_, *Chainman.*

\_\_\_\_\_, *Chainman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



WE, \_\_\_\_\_ 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

\_\_\_\_\_, *Moundman.*

\_\_\_\_\_, *Moundman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



WE, \_\_\_\_\_ 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

\_\_\_\_\_, *Axman.*

\_\_\_\_\_, *Axman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



I, \_\_\_\_\_, 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 \_\_\_\_\_

\_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_ }  
day of \_\_\_\_\_, 190 }



## CHAINS

Survey begun Oct. 20, 1908, and executed with A. W. & L. E. Gurley light mountain transit, special, with Burt patent solar attachment, the plates of the instrument reading by opposite verniers to 1' of arc, and the lat. and decl. arcs reading by verniers to 30" of arc.

At 4 p.m., l.m.t. having tested and adjusted the levels and line of collimation, I set off 10°26' S. on the decl. arc and 32°10' N. on the lat. arc and determine a mer. with the solar at the cor. of secs. 1, 2, 35 & 36 on N. bdy. Which mer. falls 1/8" W. of the mer. determined by polaris on date of Oct. 17th.

Oct. 21, 1908 at 8 a.m., l.m.t., I set off 10°40'30" S. on the decl. arc and 32°10' N. on the lat. arc and determine a mer. with the solar which mer. falls 1/4" E. of the mer. det. by polaris obs. on Oct. 17th. (See subd. T. 14 S.R. 28 E.) Hence I conclude that my instrument is in satisfactory adjustment.

Thence I run,  
S. 0°1' E. bet. secs. 1 & 2,  
Var. 13 1/4" E.

Over mts. land asc.

12.00 Point of spur S.E., desc. steep.

21.00 Canyon 150 lks. wide course NE. asc.

25.00 Spur, brs. NE. desc.

30.00 Canyon 2 chs. wide, course E. asc.

40.00 Top of high rocky spur brs. E.

Set a granite stone 20x12x10 ins 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. from which, A cedar 10" diam. brs. N. 26 1/2° E. 180 lks. marked 1/4 S. 1 B.T.

A cedar tree 15" diam. brs. S. 83°20' W. 150 lks. dist. marked 1/4 S. 2 B.T.

beg. steep desc.

51.00 Canyon 150 lks. wide, course N.E. asc. steep.

64.00 Top of high rocky ridge E. & W. desc.

80.00 Set a limestone 18x12x8 ins. 15 ins. in the ground for cor. of secs 1, 2, 11 & 12, marked with 5 <sup>notches</sup> grooves on S. and 1 <sup>notch</sup> groove on E. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. from which, a cedar tree 6" diam. brs. N. 44° E. 90 lks. dist. marked T. 15 S. R. 28 E. S. 1. B.T. *No other trees available*

Land mts.

Soil 3rd rate, stony. Timber

Scattering cedar, cottonwood in canyons

Undergrowth, ocotillo Cacti., yucca.

Mts. land exc. difficult to survey, 80.00 chs.

East on a random line bet. secs. 1 & 12.

40.00 Set temp. 1/4 sec. cor.

79.84 Intersect E. bdy at the cor. of secs. 1, 6, 7 & 12,

whence I run,

West on a true line bet. secs. 1 & 12.

Over mts. land, asc.

22.66 Top of ridge NE & SW. beg. steep desc.

39.92 Set a limestone 20x18x6 ins 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

44.00 Canyon 150 lks. wide, course N.E.

Road from Dos Cabezas to Bowie brs. NE & SW.

47.00 Old stamp mill of Gold Nugget Min'g Co. is S. 3 chs.

50.00 House, 2 chs. S. Spring in wash. on line.

51.00 " " " , asc. out of wash,

56.00 beg. steep asc. of S. slope.

59.00 Draw 10 lks. wide, course S.

64.00 Top of S. slope, desc.

79.84 To Cor. of secs. 1, 2, 11 & 12.

Land mts. Soil 2nd & 3rd rate, stony. Timber, scrub oak, Cottonwood.

Mts. land exc. dif. to survey 79.84 chs.

C CHAINS

S. 0° 1' E., bet. secs. 11 and 12.  
 Over mts. land desc.  
 6.40 Road to Old Camp Bowie E. & W. beg. grad. asc.  
 17.00 Dry wash 10 lks. wide course N.E.  
 28.00 Old Camp Bowie Cemetery 4 chs. E.  
 40.00 Set a granite stone 24x12x8 ins. 18 ins. in the ground for  
 1/4 sec. cor marked 1/4 on W. face and raise a mound of stone  
 2 ft. base 1 1/2 ft. high W. of cor. from which,  
 An oak tree 6" diam. brs. N. 34 1/4\* E. 34 lks. dist. marked  
 1/4 S. 12 B.T.  
 An oak tree 10" diam. brs. N. 64 1/2\* W. 113 lks dist.  
 marked 1/4 S. 11 B.T.  
 Asc. along N.E. slope over broken ground.  
 47.00 Gulch 20 lks. wide, course N.E.; ascend.  
 60.00 Top of ridge,  
 64.00 beg. desc  
 66.00 Dry wash 50 lks. wide, course N.E. asc.  
 80.00 Set. a granite stone 24x12x7 ins. 18 ins. in the ground for  
 cor. of secs. 11, 12, 13 & 14 marke with 4 <sup>notch</sup> grooves on S.  
 and 1 groove on E. <sup>notch</sup> faces and raise a mound of stone 2 ft.  
 base 1 1/2 ft. high W. of cor. from which,  
 An oak tree 18" diam. brs. N. 39 1/4\* E. 50 lks. dist.,  
 marked T. 15 S. R. 28 E. S. 12 B.T.  
 An oak tree 6" diam brs. S. 58\* 30" E. 38 lks. dist.  
 marked T. 15 S. R. 28 E. S. 13 B.T.  
 An oak tree 4" diam. brs. S. 77 1/4\* W. 32 lks. dist.  
 marked T. 15 S. R. 28 E. S. 14 B.T.  
 An oak tree 8" diam. brss N. 52\* 20' W. 97 lks dist. marked  
 T. 15 S. R. 28 E. S. 11 B.T.  
 Land mta. ,  
 Soil 3rd rate, stony, gravelly.  
 Timber, oak, cedar, juniper.  
 Undergrowth scrub oak, palmeo, cacti.  
 Mts. land 40.00 chs,  
 Mts. land exc. dif. to survey 40.00 chs.

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At this cor. at 12h. 45m. l. m. t. set. off 10\* 45' S. on  
 the decl. arc. and obs. the sun on the mer.,  
 The resulting lat. is 32\* 08' N.

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East on a random line bet. secs. 12 & 13.  
 40.00 Set temp. 1/4 sec. cor.  
 79.90 Intersect. E. bdy 12 lks. N. of the cor. of secs. 12, 13,  
 7 & 18, whence I run,  
 N. 89\* 55' W. on a true line bet. secs. 12 & 13.  
 Over mts. land asc. abruptly.  
 15.00 Top of bluff, 200 ft. high, faces N. desc. abruptly.  
 39.95 Set a limestone 24x20x8 ins. set. in mound of stone and  
 marked with 1/4 on N. face and raise a mound of stone 2 ft.  
 base 1 1/2 ft. high N. of cor. (Could not set stone in ground on account  
 of bed rock)  
 No bearings avail.  
 Desc. over broken ground.  
 40.50 Main canyon 80 lks. wide, course N.W. asc,  
 58.00 Dry wash 50 lks. wide course N.W.  
 63.00 Gulch 20 lks. wide course N.W. asc. steep.  
 79.90 To cor. of secs. 11, 12, 13 & 14.  
 Land mts.  
 Soil 3rd rate, stony.  
 Timber; scattering oak and cedar.  
 Undergrowth scrub oak, cacti.  
 Mts. land exc. difficult to survey. 70.90 chs.

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S. 0° 1' E. bet. secs. 13 & 14.  
 40.00 Over mts. land asc. along w. slope of long spur ext. N.  
 Mark cross on granite bldr. in place 5' x 5' x 5' above  
 ground for 1/4 sec. cor. with 1/4 on W. of cross, and  
 Owing to nature of ground N.W. of cor. on N. side of cor.  
 I raise a md. of stone 2 ft. base 1 1/2 ft. high.

## CHAINS

- 52.00 Gap of divide, brs. E. & W. Top of Helens Dome, a peak 800 ft. above surrounding country is 20.00 chs. W. desc.
- 55.85 Top of bluff 80 ft. high. desc. abrupt.
- 56.00 Base of bluff desc. steep along S.W. slope.
- 76.00 Gulch 30 lks. wide, course S.W.
- 80.00 Set a limestone 24x15x10 ins. 18 ins. in the ground for cor. of secs. 13, 14, 23 & 24, marked with 3 grooves on S. and 1 groove on E. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
No bearings avail.  
Land mts.  
Soil, 3rd rate, stony.  
Timber, scattering oak and cedar.  
Undergrowth, scrub oak, yucca, palmeo.  
Mts. land exc. difficult to survey 80.00 chs.
- 
- S. 89° 55' E. on a random line bet. secs. 13 & 24.
- 40.00 Set temp. 1/4 sec. cor.
- 79.86 Intersect E. bdy 5 lks S. of cor. of secs. 13, 24, 18 & 19, Whence I run,  
N. 89° 57' W. on a true line bet. secs. 13 & 24.  
Over mts. land asc. abrupt.
- 15.00 Top of bluff, faces S.E. asc. along S.E. slope.
- 20.00 Top of divide, thence along same.
- 25.00 Leave divide, desc. abrupt.
- 35.00 Foot of bluff. desc. steep.
- 39.93 Cor. point falls on perishable ground.
- 41.50 Set a granite stone 24x15x8 ins in a mound of stone for W.C. to 1/4 sec. cor. marked W.C. 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of Cor.  
No bearings avail. (Could not set stone in ground on account of bed rock)
- 60.00 Canyon 80 lks. wide, course SW.
- 79.86 To cor. of secs. 13, 14, 23 & 24.  
Land mts.  
Soil, 3rd rate stony.  
Timber, oak cedar juniper.  
Undergrowth scrub oak, Jojova.  
Mts. land exc. difficult to survey, 79.86 chs.
- 
- S. 0° 1' E. bet. secs. 23 & 24.
- Over mts. land desc.
- 5.00 Canyon 80 lks. wide, course W.; ascend.
- 40.00 Set a granite stone 24x15x12 ins. in mound of stone for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
No bearings avail. desc. grad.
- 80.00 Set a limestone 24x16x10 ins. 18 ins. in the ground for cor. of secs. 23, 24, 25 & 26, marked with 2 grooves on S and 1 groove on E. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
No bearings avail.  
Land mts. soil, 2nd & 3rd rate.  
No timber.  
Undergrowth, palmeo, yucca, cacti.  
Mts. land 80.00 chs.
- 
- S. 89° 57' E. on a random line bet. secs. 24 & 25.
- 40.00 Set temp. 1/4 sec. cor.
- 79.80 Intersect East Bdy 7 lks. N. of cor. of secs. 24, 25, 19 & 30  
Whence I run,  
N. 89° 54' W. on a true line bet. secs. 24 & 25.  
Over mts. land asc. along SE slope.
- 39.90 Set a limestone 20x18x12 ins. in mound of stone for 1/4 sec. cor. marked 1/4 on N. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. (Could not set in ground on account of bed rock)  
No bearings avail.; ascend gradually.
- 63.30 Wire fence N.N.E. & S.S.W.; descend gradually.
- 79.80 To cor. of secs. 23, 24, 25 & 26.  
Land. mts. Soil, 2nd rate, stony., No timber. Und'g'th cacti, yucca. good native grass.  
Mts. land, 79.80 chs.

## CHAINS.

S. 0° 1' E. bet. secs. 25 & 26,  
 Over rolling land, desc. grad.  
 20.00 Foot of slope.  
 27.00 Draw 3 chs. wide course SW.  
 40.00 Set a granite stone 24x15x8 ins. 18 ins. in the ground  
 for 1/4 sec. cor marked 1/4 on W. face and raise a mound  
 of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 No bearings avail.  
 43.60 Intersect S. bdy of C.B.A.M.R. at 18.60 chs N. 89° 58' E. of 5 mile  
 Cor. at which point I  
 Set a quartz stone 24x12x6 ins. 18 ins. in the ground for  
 closing cor of secs. 25 & 26 marked C.C. on N., P.L. on S.  
 and 1 groove on E. faces and raise a mound of stone 2 ft.  
 base 1 1/2 ft. high N. of cor.  
 No bearings avail.  
 Land rolling, smooth and open.  
 Soil, 2nd rate, loamy, sandy.  
 No timber.  
 Undergrowth, yucca, palmeo, cacti. good native grass.  
 Smooth and open land 43.60 chs.  
 Oct. 21, 1908.

Oct. 22, 1908 at 7 a.m., l.m.t. at the cor. of secs. 2, 3, 34 & 35

I set off 10° 58' S. on the decl. arc and 32° 10' N. on  
 the lat. arc and determine a mer. with the solar.

Thence I run,  
 S. 0° 01' E. bet. secs 2 & 3,  
 Over mts. land, very broken, desc.  
 12.00 Canyon 50 lks. wide, course E. asc.  
 23.00 Top of spur, brs E. desc.  
 38.00 Dry wash 20 lks. wide, course N.N.W. asc.  
 40.00 Set a granite stone 30x15x12 ins. 24 ins. in the ground  
 for 1/4 sec. cor. marked 1/4 on W. face and raise a mound  
 of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 No bearings avail.  
 65.00 Top of rise, brs. E & W. desc. grad.  
 71.00 Road, brs. E. & W.  
 72.00 Road, brs. E. & W. from Dos Cabezos to Bowie.  
 80.00 Set a granite stone 26x10x8 ins. 20 ins. in the ground  
 for cor. of secs. 2, 3, 10 & 11, marked with 5 <sup>notches</sup> grooves on  
 S. and 2 <sup>notches</sup> grooves on E. <sup>also</sup> faces and raise a mound of stone  
 2 ft. base 1 1/2 ft. high W. of cor. from which,  
 An oak tree 6" diam. brs. N. 5° E. 100 lks. dist. marked  
 T. 1.5 S. R. 28 E. S. 2. B. T.  
 An oak tree 10" diam. brs. S. 66° E. 84 lks. dist.,  
 marked T. 15 S. R. 28 E. S. 11 B. T.  
 An oak tree 12" diam. brs. S. 53° W. 159 lks. dist.  
 marked T 15 S R 28 E S 10 B T  
 An oak tree 8" diam. brs. N. 78 1/2 °. W. 120 lks. dist.  
 marked T 15 S R 28 E S 3 B T .  
 An old blacksmith shop is 2 chs SW.  
 A shaft 4x6x20 ft. is 3 chs. S.  
 Land mts.,  
 Soil 2nd & 3rd rate, stony  
 Timber scattering oak.  
 Undergrowth, scrub oak, palmeo, yucca.  
 Mts. land exc. difficult to survey, 80.00 chs.

East. on a random line bet. secs. 2 & 11.  
 40.00 Set temp. 1/4 sec. cor.  
 79.96 Intersect N. & S. line 5 lks. S. of cor. of secs. 1, 2, 11  
 & 12, whence I run,  
 S. 89° 58' W. on a true line bet. secs. 2 & 11.  
 Over broken land asc. grad.  
 12.00 Road, W.N.W. & E.S.E. Dos Cabezos to Bowie.  
 39.82 top of ridge N. & S.

## CHAINS

- 29.98 Set a granite stone 24x15x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. from which, An oak tree 12" diam. brs. N. 41 1/2 \* E. 37 lks. dist. marked 1/4 S. 2 B.T.  
 An oak tree 12" diam. brs. S. 36\* 20' W. 284 lks. dist. marked 1/4 S. 11 B.T.  
 Desc. grad. over broken mts. land.
- 50.00 Gulch 20 lks. wide, course N. asc.
- 67.40 Top of ridge brs. N. desc.
- 78.50 Draw 10 lks wide course N. asc.
- 79.96 To cor. of secs. 2,3,10 & 11.  
 Land mts.  
 Soil 3rd rate, gravelly  
 Timber scattering oak and cedar.  
 Undergrowth scattering scrub oak, cacti.  
 Mts. land 79.96 chs.
- 
- S.0\* 01' E. bet. secs. 10 & 11.  
 Over mts. land asc.
- 30.00 Quillens mining camp is 12 chs. W. asc. steep.
- 38.00 Gulch 20 lks. wide course N.W.
- 40.00 As cor. point will fall on perishable ground at
- 39.00 Mark across on granite bldr. in place 2'x2'x1' above ground and w.C. 1/4 on W. of cross for w.C. to 1/4 sec. cor. and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. from which,  
 A cedar tree 6" diam. brs. S. 80\* W. 10 lks. dist. marked 1/4 S.10 W.C.B.T.  
 A cedar tree 6" diam. brs. N. 58\* E. 86 lks. dist. marked 1/4 S. 11 W.C.B.T.
- 61.00 Spring on line.
- 72.00 Top of main divide, brs E. & W. desc. along S.E.slope.
- As cor. point falls on steep S.slope on rotten granite ledge, at
- 79.00 Mark cross on granite bldr. in place 2x2ft.x 1 ft. above ground, with 4 grooves on S. and 2 grooves on E. of cross for W.C. to cor. of secs.10,11,14 & 15, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. from which  
 A cedar tree 24" diam. brs. N. 40\* W. 27 lks. dist. marked T.15 S. R. 28 E. S. 10 W.C.B.T.  
 No other bearings avail. desc. steep.
- 80.00 To cor. point of secs. 10,11 14 & 15.  
 Land mts.  
 Soil 3rd rate stony gravelly.  
 Timber scattering oak, cedar juniper.  
 Undergrowth, same.  
 Mts. land exc. difficult to survey, 80.00 chs.  
 Clouds obscure the sun at noon. Impossible to obs. for lat. N.89\* 58' E. on a random line bet. secs. 11 & 14.
- 40.00 Set. temp 1/4 sec. cor.
- 79.90 Intersect N.& S. line 7 lks. S. of cor. of secs.11,12,13 & 14, whence I run,  
 S. 89\* 55' W. on a true line bet. secs. 11 & 14.  
 Over mts. land desc.
- 9.75 Gulch 20 lks. wide course N.W. asc.
- 17.25 Gulch 50 lks. wide, course N.E. asc. steep.
- 39.95 Set a granite stone 20x12x8 ins. in mound of stone for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. from which  
 No bearings avail. *(Could not set in ground on account of bed rock)*
- 65.00 Top of spur from divide, brs N.E. thence along same.
- 70.00 Top of divide, brs. NW & SE. desc. steep.
- 79.90 To cor. of secs.10,11,14 & 15.  
 Land mts.  
 Soil 3rd rate, very stony and rugged.  
 Timber, seat'g oak and cedar, with some pinon.  
 Mts. land exc. difficult to survey. 79.90 chs.

CHAINS S.0\* 01' E. bet. secs. 14 & 15.  
 Over mts. land desc. steep.  
 30.00 Foot of ~~slope~~ lope.  
 37.00 Gulch 1 ch. wide course W.  
 40.00 Set a granite stone 24x12x10 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 Desc. grad. over broken stony land.  
 80.00 Mark cross on granite ledge 2x2 ft x 1ft. above ground with 3 grooves on S. and 2 grooves on E. of cross for cor. of secs. 14, 15, 22 & 23, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 Land, mts.  
 Soil 2nd & 3rd rate, stony.  
 No timber.  
 Undergrowth, scrub oak and cacti.  
 Mts. land exc. difficult to survey. 80.00 chs.

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N. 89\*55' E. on a random line bet. secs. 14 & 23.  
 40.00 Set temp. 1/4 sec. cor.  
 79.88 Intersect N. & S. line 7 lks. S. of cor. of secs. 13, 14, 23 & 24, whence I run  
 S. 89\*52' W. on a true line bet. secs. 14 & 23.  
 Over mts. land desc.  
 14.00 Gulch 80 lks. wide course S.S.W. asc. over stony land.  
 39.94 Set a limestone 18x12x8 ins. in mound of stone for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 Begin steep descent.  
 70.00 top of ridge from divide, extends S.W. desc.  
 79.88 to cor. of secs. 14, 15, 22 & 23.  
 Land mts. soil, 3rd rate stony.  
 No timber.  
 Undergrowth, palmeo, yucca. cacti.  
 Mts. land exc. difficult to survey. 79.88 chs.

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S.0\* 01' E. bet. secs. 22 & 23.  
 Over mts. land asc.  
 4.00 Top of spur W.S.W desc. steep.  
 25.00 Foot of slope. wire fence E. & W.  
 40.00 Set a granite stone 20x10x6 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Desc. gradually.  
 55.00 Wash, course W.  
 80.00 Set a granite stone 24x12x8 ins. 18 ins. in the ground for cor. of secs. 22, 23, 26, & 27 marked with 2 <sup>grooves</sup> ~~grooves~~ on S. and 2 <sup>grooves</sup> ~~grooves~~ on E. faces and raise amount of stone 2 ft. base 1 1/2 ft. high W. of cor.  
 Land mts. soil, 2nd rate stony, sandy.  
 No timber, undergrowth, palmeo, yucca. Native grass.  
 Mts. land 80.00 chs.

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N. 89\* 52' E. on a random line bet. secs. 23 & 26.  
 40.00 set temp. 1/4 sec. cor.  
 79.86 Intersect N. & S. line 7 lks. N. of cor. of secs. 23, 24, 25 & 26, whence I run,  
 S. 89\* 55' W. on a true line bet. secs. 23 & 26.  
 Over rolling land desc. grad.  
 30.00 Foot of main slope.  
 39.93 Set a granite stone 24x10x6 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.  
 79.86 To cor. of secs. 22, 23, 26 & 27.  
 Land, rolling., soil 2nd rate, sandy, loamy. good native grass.  
 No timber and undergrowths, palmeo yucca, cacti.  
 Rolling land 79.86 chs.

## CHAINS

- S.0°01'E. bet. secs. 26 & 27.  
Over rolling land.
- 40.00 Set a granite stone 24x10x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and dig pits 18x18x12 ins. N. & S. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
- 43.40 Intersect S. bdy C.B.A.M.R. at point 18.80 chs. N. 89°58'E. of 4 mile cor.  
Set a granite 20x12x10 ins. 15. ins. in the ground for closing cor. of secs. 26 & 27 marked C.C. on N. P.L. on S. and 2 grooves on E. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.  
Land rolling soil 2nd rate, sandy, loamy.  
No timber or undergrowth. good native grass.  
Rolling land 43.40 chs.  
Oct. 22, 1908.
- 
- Oct. 23, 1908, at 8 a.m., l.m.t. at the cor. of secs. 3, 4, 33 & 34, on N. bdy. I set off 11° 23' S. on the decl. arc. and 32° 10' N. on the lat. arc. and determine a mer. with the solar, thence I run,  
S.0°02'E. bet. secs. 3 & 4.  
Over mts. land desc.
- 36.00 Main canyon 50 lks. wide; course E. asc.
- 40.00 Set a granite stone 30x12x12 ins. 24 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
- 58.00 Top of low gap in divide, brs E. & W. desc.  
78.85 Telephone line brs. E. & W.  
80.00 Set a granite stone 30 x12 x10 ins. 24 ins. in the ground for cor. of secs. 3, 4, 9 & 10 marked with 5 <sup>notches</sup> grooves on S. and 3 <sup>notches</sup> grooves on E. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.  
Land, mts. Soil, 2nd & 3rd rate, stony.  
Timber scat'g oak and cedar.  
Undergrowth scrub oak.  
Mts. land 80.00 chs.
- 
- East on a random line bet. secs. 3 & 10.
- 40.00 Set temp. 1/4 sec. cor.
- 79.92 Intersect N. & S. line 5 lks. S. of cor. of secs. 2, 3, 10 & 11, Whence I run,  
S.89° 58'W. on a true line bet. secs. 3 & 10.  
Over mts. land asc.
- 4.00 Top of Spur, brs. N. thence desc. grad over broken ground
- 11.35 Old road N. & S.
- 13.00 Dry wash 20 lks. wide, course N. asc. gradually N. slope.
- 13.75 Main road, brs N.E. & S.W.
- 19.80 Same road N.W. & S.E.
- 22.10 Draw 10 lks wide course N. asc.
- 26.40 Rocky gulch 20 lks. wide course N.E. asc. over stony land.
- 39.96 Top of spur. brs. N.  
Set a granite stone 30x12x8 ins in a mound of stone for 1/4 sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. from which, An oak tree 20" diam. brs. S. 67° W. 94 lks. dist. marked 1/4 S. 10 B.T. (could not set in ground on account of bed rock)
- 55.00 Telephone line brs. N.W. & S.E.
- 59.00 Draw 10 lks. wide course N., ascend.
- 68.75 Top of divide N. & S., Apache pass.
- A B.M. (U.S.G.S) brs. N. lch. Elev. 5,099 ft. desc. grad.
- 79.92 To cor. of secs. 3, 4, 9 & 10.  
Land mts. Soil, 3rd rate stony, gravelly.  
Timber, scat'g oak cedar. Underg'th scrub oak.  
Mts. land 79.92 chs.

BOOK 2100

## CHAINS

- WEST bet. secs. 4 & 9.  
Over rolling land. desc. grad.
- 5.50 Road N. & S.W.  
10.00 Wire fence, brs. N. & S., enter pasture of Jos. Shafer..  
14.00 old cut and shaft 1 ch. S. asc. grad.  
18.00 Top of knoll, descend.  
19.60 Intersect W. bdy. C.B.A.M.R. at point 2.27 chs. S.  $0^{\circ}4'W$  of  
23 1/2 mile cor.  
Mark cross on granite ledge 8' x 10' x 5' above ground  
for closing cor. of secs. 4 & 9, with C.C. on E. P.L.  
on W. and 5 grooves on S. of cross, from which  
An oak tree 6" diam. brs. S.  $40^{\circ}E$ . 148 lks. dist. marked  
T.15 S. R. 28 E. S. 9 C.C.B.T.  
An oak tree 12" diam. brs. N.  $66\frac{1}{4}^{\circ}E$ . 133 lks dist.  
marked T.15 S. R. 28 E. S. 4 C.C.B.T.  
Land rolling, Soil 2nd rate gravelly.  
Timber. oak juniper.  
Rolling land, .19.60 chs.
- 
- S.  $0^{\circ}02'E$  bet. secs. 9 & 10.  
Var. 12  $3/4^{\circ}E$ .  
Over mts. land asc.
- 2.40 Top of knoll, brs. E. desc.  
10.00 Draw, 20 lks wide course S.S.W.,  
13.25 Old road, brs. N.E. & S.W. asc. grad.  
32.52 Top of knoll, brs. E. desc. grad.  
40.00 Set a granite stone 24 x 15 x 10 ins. 18 ins. in the ground  
for 1/4 sec. cor marked 1/4 on W. face and raise a mound  
of stone 2 ft. base 1 1/2 ft. high W. of cor.  
70.00 Dry wash 1 ch. wide course S.S.E.  
80.00 Set a granite stone 30 x 10 x 6 ins. 24 ins. in the ground  
for cor. of secs. 9, 10, 15 & 16 marked with 4 grooves  
on S. and 3 grooves on E. faces and raise amount of  
stone 2 ft. base 1 1/2 ft. high W. of cor.  
Land mts. soil, sandy gravelly. 2nd rate.  
No timber or unfergrowth. good native grass.  
Mts. land 80.00 chs.
- 
- S.  $89^{\circ}58'E$  on a random line bet. secs. 10 & 15.
- 40.00 Set temp. 1/4 sec. cor.  
79.88 Intersect N. & S. line 14 lks. N. of the cor. of secs.  
10, 11, 14 & 15, whence I run,  
N.  $89^{\circ}52'W$  bet. secs. 10 & 15, on a true line.  
Desc. grad. over rolling land.
- 39.94 Set a granite stone 30 x 10 x 6 ins. 24 ins. in the ground  
for 1/4 sec. cor. marked 1/4 on W. face. and raise a  
mound of stone 2 ft. base 1 1/2 ft. high N. of cor.  
73.00  
79.88 To cor. of secs. 9, 10, 15 & 16. (Wash, course S.S.E.)  
Land, rolling. Soils 2nd rate sandy loamy. good native grass.  
No timber or undergrowth.  
Rolling land. smooth and open, 79.88 chs.  
At this cor. at 11h. 45m. 1. m. t. I set off  $11^{\circ}27' S$ . on  
the decl. arc and observe the sun on the mer.  
The resulting lat. is  $32^{\circ}08'N$ .
- 
- West bet. secs. 9 & 16.  
Over rolling land.
- 19.45 Intersect W. bdy of C.B.A.M.R. at point 3.38 chs. N.  $0^{\circ}9'W$  of  
1/2 mile cor.  
Set a granite stone 30 x 15 x 10 ins. 24 ins. in the ground  
for closing cor. of secs. 9 & 16, marked C.C. on E. P.L.  
on W. and 4 grooves on S. faces and raise a mound of  
stone 2 ft. base 1 1/2 ft. high E. of cor.  
Land rolling, soil 2nd rate. No timber or undg'th.  
Rolling land 19.45 chs.

CHAINS	
	S. 0° 02' E. bet. secs. 15 & 16 . Over rolling land.
65.00	Enter swale of wash, runs S.E.
12.00	Leave " " " "
40.00	Set a granite stone 30x10x6 ins. 24 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
62.00	Wire fence N.W. & S.E. leave pasture.
62.25	Road, N.W. & S.E.
80.00	Set a granite stone 24x12x10 ins. 18 ins. in the ground for cor. of secs. 15, 16, 21 & 22, marked with 3 notches on S. & E. edges and T. 15 S. on NE. and R. 28 E. on SE. faces, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Land rolling. Soil 2nd rate sandy, loamy. No timber or und'g'th. Good native grass. Rolling land 80.00 chs.
	<hr/>
40.00	S. 89° 52' E. on a random line bet. secs. 15 & 22 . set temp. 1/4 sec. cor.
79.90	Intersect N. & S. line 30 lks. S. of the cor. of secs. 14 15 22 & 23, whence I run, over rolling land.
	S. 89° 55' W. on a true line bet. secs. 15 & 22.
28.00	Wire fence brs. NW. and SE.
36.40	Road, brs. NW & SE.
39.95	Set a granite stone 24 x10 x10 ins 18 ins. in the ground for 1/4 sec. cor, marked 1/4 on N. face and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of Cor., dig pits 18x18x12 ins. E. & W. 3 ft. dist.
57.00	To cor. of secs. 15, 16, 21 & 22. (Wash, course South
79.90	Land rolling. Soil 2nd rate, sandy, loamy. No timber or undergrowth. Good native grass. Rolling land, smooth and open, 79.90 chs.
	<hr/>
	West bet. secs. 16 & 21. Over rolling land.
19.28	Intersect W. bdy of C.B. & M.R. at point 3.35 chs. N. 0° 9' W. of 1 1/2 mile cor. Set a quartz stone 30x12x12 ins. 24 ins. in the ground for closing cor. of secs. 16 & 21, marked C.C. on E. P.L. on W. with 3. grooves on S. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Land rolling, Soil 2nd & 3rd rate, sandy, loamy.. No timber or undergrowth. Good native grass. Rolling land 19.28 chs.
	<hr/>
	S. 0° 02' E. bet. secs. 21 & 22 . Over smooth and open land.
40.00	Set a granite stone 20x10x6 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
77.50	Set a limestone 24x18x12 ins. 18 ins. in the ground for cor. of secs. 21, 22, 27 & 28, marked with 2 notches on S. and 3 grooves on E. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
80.00	Land rolling, Soil 2nd rate, sandy, loamy. No timber or undergrowth. Good native grass. Smooth and open land 80.00 chs.
	<hr/>
	N. 89° 55' E. on a random line bet. secs. 22 & 27
40.00	Set temp. 1/4 sec. cor.
79.88	Intersect N. & S. line 7 lks. N. of cor. of secs. 22, 23 26 & 27, whence I run, S. 89° 58' W. on a true line bet. secs. 22 & 27 Over rolling land.
39.94	Set a granite stone 24x10x8 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.

60.00  
79.88

Road, N. and S.  
To cor of secs. 21 22 , 27 & 28.  
Land rolling , smooth and open.  
Soil 2nd rate.  
No timber or undergrowth. Good native grass.  
Smooth and open land 79.88 chs.

8.00  
19.15

West bet. secs. 21 & 28 . Over rolling land  
Draw 2<sup>nd</sup> substdwidadcourse 1<sup>st</sup> SWd. asc. grad.  
Intersect W. Bdy. of C.B.A.M.R. at point 3.40 chs. N. 0° 9' W.  
of 2 1/2 mile cor.  
Set a granite stone 30x24x15 ins. 24 ins. in the ground  
for closing cor. of secs. 21 & 28 marke C.C. on E.  
P.L. on W. with 2 grooves on S. faces and raise a  
mound of stone 2 ft. base 1 1/2 ft. high E. of cor.  
Land rolling. Soil 2nd rate , sandy.  
No timber or undergrowth.  
Rolling land 19.15 chs.

40.00

S. 0° 02' E. bet. secs. 27 & 28  
Over rolling land.  
Set a granite stone 24x10x8 ins 18 ins. in the ground  
for 1/4 sec. cor marked 1/4 on. W. face, dig pits 18x18x12  
ins. N. & S. 3. ft. on line, and build a mound of earth  
3 1/2 ft. base 1 1/2 ft. high W. of cor.

43.39

Intersect S. bdy of C.B.A.M.R. at point 18.95 chs. N. 89° 58' E. of  
S.W. cor. or 3 mile cor. of Res.  
Set a granite stone 20x10x8 ins. 15 ins. in the ground  
for closing cor. of secs. 27 & 28 marked C.C. on N. P.L.  
on S. with 3 grooves on E. faces, dig pits 30 x 24x 12  
ins. E. & W. 3 ft. dist. and N. of stone 7 ft. dist., and  
raise a mound of earth 4 ft. base 1 1/2 ft. high N of cor.  
Land rolling . Soil 2nd rate gravelly, sandy.  
No timber or undergrowth. good native grass.  
Smooth and open land 43.39 chs.

Oct. 23, 1908.

The N.E. portion of this frac. Tp. is very rough and  
broken. The mountains are mostly granite and limestone  
with some quartz. In the higher parts is considerable  
oak and cedar timber, with some pinion.  
There is very little water in the Tp.  
Old camp Bowie is in sec. 12 . The remains of the old  
bldgs. are yet in good state of preservation.  
The S.W. portion of the Tp. is over smooth rolling land  
covered with a fine growth of native grass.  
There is no land in the Tp. available for cultivation  
at present, though there is much good frazing land.  
There are no settlers in the Tp.

*Jesse B. Wright*  
U.S. Deputy Surveyor.

*For authority for red ink. Corrections*

*see Deputy's letters of Nov. 14-1908 and Mar. 24, 1909*

*For* FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

*See Book D. Pub. T 14 D R 28 E.*

LIST OF NAMES.

BOOK 2100

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, 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 \_\_\_\_\_

showing the respective capacities in which they acted:

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

FINAL OATH OF ASSISTANTS.

*See final oaths of assistants in Book "D" Pub. T 14 D R 28 E.*  
We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, which are represented

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

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Moundman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Axman.

\_\_\_\_\_, Flagman.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190 \_\_\_\_\_



14

*J. W.* FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.  
*See Book D. Pubs. of T. & P. R. 28 E.*

BOOK 2100

....., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ..... bearing date of the ..... day of ....., 190 ....., 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 Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

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

.....  
United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me }  
this ..... day of ....., 190 .....



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

The foregoing field notes of the survey of *Phoenix, Ariz. April 14, 1909*  
*the subdivision lines of that*  
*portion of T. 15 S. R. 28 E., lying within the*  
*Camp Bowie Abandoned Military Reservation,*  
*Arizona*

executed by *Jesse D. Wright* *U. S. Deputy Surveyor*  
under his contract No. *149*, dated *June 12* 190*8*, 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. G. [Signature]*  
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.