

**ORIGINAL**

**U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE**

NOV 5 - 1918

OCT - 2 1916

298

299

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 291

SITUATED IN THE **CORONADO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 18 , unsurveyed, Township 23 S. , Range 19 E. ,

In Section 19 , unsurveyed, Township 23 S. , Range 19 E. .

all of the

**Gila and Salt River Base and Meridian.**

State of

**ARIZONA.**

*Inspection report herewith*

Applicant for listing **R. Lee Parker,**

Residence **Parker Canyon, Arizona.**

Application No. **106** , dated **April 8** , 19 **08,**

List No. **3-5** , dated **January 20** , 19 **09.**

Applicant for survey **R. Lee Parker,**

Residence **Parker Canyon, Arizona.**

H. E. No. **022823** , dated **June 24** , 19 **13.**

Land ~~District~~ <sup>Office</sup> **Phoenix, Arizona.**

Survey executed by **Charles D. Hodson, Surveyor - Draftsman.**  
[Forest Service Title.]

Under special instructions dated **October 17** , 19 **14**

Survey commenced **February 4** , 19 **15**

Survey completed **February 4** , 19 **15**

Under Acts of **June 11, 1906 and June 30, 1914.**



OATH OF ASSISTANTS

We hereby certify that we assisted **Charles D. Hodson,**  
**Surveyor - Draftsman** in surveying all those  
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **291**, in the State  
of **Arizona**, which are represented in the following 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 estab-  
lished, according to the instructions furnished by the United States  
Surveyor General for **Arizona**

**Note: It would have been  
very expensive and incon-  
venient to appear before an  
officer to administer oaths  
to Assistants; hence, they  
were taken by the Surveyor.**

*W. J. Baecht* **Chairman.**  
*W. J. Doherity* **Chairman**  
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Subscribed and sworn to before me this *first* day of  
*March*, 19*15*.  
*Charles D. Hodson*  
**Surveyor - Draftsman.**

OATH OF SURVEYOR

I, **Charles D. Hodson, Surveyor - Draftsman.**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**October 17**, 19 **14**, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, surveyed a tract  
of land **embraced in**

**List**, No. **3-5**, dated **January 20, 1909**, for  
**Patent**, under the Act of **June 11**, 19 **06**,  
the same to be known as Homestead Entry Survey No. **291**,  
situated within the **Coronado** National Forest, in  
**un surveyed Section 18**, Township **23 S.**, Range **19 E.**, and  
**un surveyed Section 19**, Township **23 S.**, Range **19 E.**,

of the **G. & S. R. B. &** meridian, **Arizona**, and the  
related retracements and resurveys and section subdivisions, which are  
represented in the following field notes as having been surveyed by me;  
and I further solemnly swear that all the corners of said survey have been  
established and perpetuated in strict accordance with the stated special  
instructions, and in the specific manner described in the field notes,  
and that the following are the original field notes of such survey.

*Charles D. Hodson*  
**Surveyor - Draftsman.**  
[Forest Service Title.]

Subscribed and sworn to before me this *3<sup>rd</sup>* day of  
*March*, 19*15*.

My Commission expires Sept 26, 1916  
SEAL.  
8-2349

*Maudie L Bowen*  
**Notary Public**



HOMESTEAD ENTRY SURVEY NO. 291

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Applicant for listing, R. Lee Parker; Application No. 106 dated April 8, 1908; List No. 3-5 dated January 20, 1909; H. E. No. 022823, made in the Phoenix Land Office on June 24, 1913 by R. Lee Parker.

Surveyed under special instructions from the Surveyor General for Arizona, dated October 17, 1914, and designated as Homestead Entry Survey No. 291.

Located in unsurveyed T. 23 S., R. 19 E., G. and S. R. B. and Meridian in what will probably be when surveyed, secs. 18 and 19 within the Coronado National Forest,

Arizona. Surveyed under Acts of June 11, 1906 and June 30, 1914.

Survey commenced February 4, 1915 and executed with a Buff and Buff Forest Service transit No. 9700-6 with vertical circle. The horizontal limb has two double verniers placed opposite to each other, and reads to single minutes of arc which is also the least count of the verniers of the vertical circle.

I test the adjustments of the transit and make necessary corrections.

All distances are horizontal and were reduced from measurements made on the slope with a 500 link steel tape. The slope angles are determined with a clinometer.

February 4, 1915.

At cor. No. 3 of the list survey and what will be cor. No. 1 of this survey, I observe the altitude of the sun for azimuth. The reading on the reference object is set at zero and the sun was observed in the lower left and upper right quadrants of the field. My watch



Chains

is set for local mean time. Lat.  $31^{\circ} 25' 04''$  Long.

$110^{\circ} 27'$  W., obtained from the special instructions

of the Surveyor General.

(1)

|           |        |             |            |
|-----------|--------|-------------|------------|
| Telescope | l.m.t. | Hor. Angle. | Ver. Angle |
|-----------|--------|-------------|------------|

|        |               |                  |                  |
|--------|---------------|------------------|------------------|
| direct | 9h. 14m. 31s. | $45^{\circ} 21'$ | $26^{\circ} 02'$ |
|--------|---------------|------------------|------------------|

|         |               |                  |                  |
|---------|---------------|------------------|------------------|
| reverse | 9h. 15m. 51s. | $45^{\circ} 40'$ | $25^{\circ} 43'$ |
|---------|---------------|------------------|------------------|

|      |               |                       |                       |
|------|---------------|-----------------------|-----------------------|
| mean | 9h. 15m. 11s. | $45^{\circ} 30' 30''$ | $25^{\circ} 52' 30''$ |
|------|---------------|-----------------------|-----------------------|

Azimuth of sun at obsn. S.  $28^{\circ} 45' 40''$  E.

Resultant bearing of reference point S.  $2^{\circ} 55' 10''$  E.

(2)

|           |        |            |             |
|-----------|--------|------------|-------------|
| Telescope | l.m.t. | Hor. Angle | Ver. Angle. |
|-----------|--------|------------|-------------|

|        |               |                  |                  |
|--------|---------------|------------------|------------------|
| direct | 9h. 17m. 00s. | $44^{\circ} 50'$ | $26^{\circ} 26'$ |
|--------|---------------|------------------|------------------|

|         |               |                  |                  |
|---------|---------------|------------------|------------------|
| reverse | 9h. 18m. 17s. | $45^{\circ} 11'$ | $26^{\circ} 06'$ |
|---------|---------------|------------------|------------------|

|      |               |                       |                  |
|------|---------------|-----------------------|------------------|
| mean | 9h. 17m. 38s. | $45^{\circ} 00' 30''$ | $26^{\circ} 16'$ |
|------|---------------|-----------------------|------------------|

Azimuth of sun at obsn. S.  $47^{\circ} 56'$  E.

Resultant bearing of reference point S.  $2^{\circ} 55' 30''$  E.

Mean bearing of reference point S.  $2^{\circ} 55' 20''$  E.

With the verniers of the horizontal limb set on zero,

I sight on the reference point previously described

and lay off  $177^{\circ} 05'$  to the left and establish a merid-

ian by a nail driven in a stake set firmly in the

ground 5.00 chs. N. of my station.

From this meridian all courses of this survey are deflect-

ed.

Beginning at cor. No. 1.

Identical with cor. H-3 of the listing survey which

is a sandstone 20 x 12 x 6 ins. surrounded by a mound

of stone, marked and witnessed as described by the

Forest Service. I destroy all trace of this cor.

and at this point I set a sandstone 26 x 10 x 10 ins.

6 ins. in the ground over a small stone marked with a



CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

across and surrounded by a mound of stone, 6 ft. base,  
1 ft. high, chiseled (+) at the point and 1 - H E S 291  
on the side facing the claim and raise a mound of stone,  
2 ft. base, 1-1/2 ft. high, within the claim, 3-1/2  
ft. dist. from the cor. whence:

A juniper 8 ins. dia. blazed and scribed  
1 H E S 291 + B T, bears N. 35° 03' W., 62 lks.  
dist.

A juniper 20 ins. dia. blazed and scribed  
1 H E S 291 + B T, bears S. 74° 33' W. 51 lks.  
dist.

U. S. L. M. No. 290 H. E. S., which is a sandstone  
14 x 6 x 10 ins. above ground, marked with a (+)  
on top and U S L M No. 290 H E S on E. face,  
bears N. 04° 41' E. 21.10' chs. dist. by direct  
measurement.

Mag. decl. at 10h. 00m. a.m., l.m.t., 13° 30' E., which  
reduced by table G. manual of 1894 Diurnal change in  
mag. decl. gives a mean mag. decl. of 13° 27' 48" E.  
Lat. 31° 25' 04" N. Long. 110° 27' W. obtained from  
special instructions from the Surveyor General.

Thence S. 24° 22' W.

Asc. 20 ft. over sparsely timbered N. slope.

10.00 Edge of mesa, gentle slope W.

15.00 Desc. 15 ft. over S. slope.

22.20 Wash 15 lks. wide, course W. Asc. 20 ft.

25.73 To cor. No. 2.

Identical with cor. H-4 of the list survey, a granite  
stone 18 x 12 x 6 ins. surrounded by a mound of stone  
marked and witnessed as described by the Forest Service

(+) at the point and S - H E S 291 on the side facing



CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

I destroy all trace of the list cor. and at this point I set a sandstone 24 x 10 x 4 ins. 14 ins. in the ground over a small stone marked with a cross, chiseled (+) at the top and 2 - H E S 291 on side facing the claim; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, within the claim, 3-1/2 ft. dist. from the cor. whence:

A juniper, 5 ins. dia., blazed and scribed 2 H E S 291 + B T, bears S. 59° 15' W. 22 lks.

dist. .8 bears T E + I S 2 2 H E I

A black oak 12 ins. dia., blazed and scribed 2 H E S 291 + B T, bears S. 30° 29' E. 28

lks. dist. .8 bears T E + I S 2 2 H E I

Thence N. 86° 25' W. .8 bears W. 04° 41' E. 21 lks.

Desc. 30 ft. along slope of N. hillside.

6.00 Enter bed Parker Creek, banks 2 ft. high, .30 lks. wide, course W.

10.90 Leave creek bed course NW. Enter bottom land at foot of N. hillside.

17.40 Asc. 30 ft. along N. hillside through scattering oak.

24.00 Road, bears N. and S.

26.98 To cor. No. 3.

Identical with cor. H-1 of the list survey and F. S. M. H., a juniper post 6 ins. dia., 5 ft. long surrounded by a mound of stone, 5 ft. base, 3 ft. high marked H 1 on the NE. face and F S M H on the SW. face, and witnessed as described by the Forest Service. I destroy all trace of this list cor. and F. S. M. H. and at this point I set a sandstone 24 x 10 x 8 ins., 14 ins. in the ground over a small stone marked with a cross, chiseled (+) at the point and 3 - H E S 291 on the side facing



CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

the claim; and raise a mound of stone 4 ft. base, 3 ft. high, within the claim, 3-1/2 ft. dist. from cor.

whence:

A black oak 8 ins. dia., blazed and scribed

3 H E S 291 + B T bears N. 72° 10' E., 80 lks. dist.

A black oak 10 ins. dia., blazed and scribed

3 H E S 291 + B T bears N. 27° 18' W., 93 lks. dist.

Thence N. 10° 42' W. Desc. 30 ft.

4.00 Parker Creek banks 2 ft. high, .60 lks. wide, course W.

Thence across bottom land, Desc. 5 ft.

11.95 Parker Creek, .50 lks. wide, banks 2 ft. high, course E.

15.70 Parker Creek, 40 lks. wide, banks 2 ft. high, course W. Asc. 20 ft. along E. slope.

29.81 To cor. No. 4.

Identical with cor. H-2 of the list survey, a granite stone 18 x 12 x 8 ins. surrounded by a mound of stone, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at

this point, I set a granite stone, 24 x 12 x 8 ins.

14 ins. in the ground over a small stone marked with

a cross, chiseled (+) at the point and 4 - H E S 291

on the side facing the claim, and raise a mound of

stone, 2 ft. base, 1-1/2 ft. high, within the claim,

3-1/2 ft. dist. from cor. whence:

A black oak, 14 ins. dia. blazed and scribed

4 H E S 291 + B T, bears N. 39° 41' W., 96 lks. dist.

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Chains

. . . . . A black oak, 14 ins. dia., blazed and scribed  
 A H E S 291 + B T bears S. 39° 05' W. 21 lks.  
 dist.  
 A black oak 8 ins. dia., blazed and scribed  
 The nce S. 80° 04' E. 10 lks.  
 Desc. 15 ft.  
 2.00 Wire fence bears N. and S.  
 2.05 Irrigation ditch, 1 ft. wide, 6 ins. deep, course S.  
 Enter garden.  
 2.50 Leave garden. Fence bears N. and S.  
 2.55 Creek 50 lks, wide, banks 2 ft. high, course S.  
 Asc. 10 ft. up small draw.  
 3.40 Road bears N. and S.  
 3.50 Fence cor., fences bear NE. and SE.  
 10.00 Foot of hill, slopes W., Asc. 130 ft. through scrub oak.  
 18.70 Enter Mesa, slopes S.; then through scattering scrub oak.  
 28.70 Leave Mesa. Desc. 140 ft. along SE. slope, through  
 dense scrub oak.  
 39.00 Road, bears NE. and SW.  
 40.00 Parker Creek, 80 lks. wide, banks 2 ft. high, course SW.  
 43.75 To cor. No. 1, the place of beginning.

AREA.

Total area-----93.47 acres.

IMPROVEMENTS.

The improvements made upon and for the benefit of the  
 homestead consist of the following:

An adobe house 24 x 14 ft., the long side of which bears  
 N. and S. and the NW. cor. of which bears S. 65° 42' E.  
 5.45 chs. dist. from cor. No. 4.

Value-----\$200.00



Chains

An adobe store house 18 x 12 ft., the long side of which bears N. and S. and the NW. cor. of which bears S. 59° 48' E. 6.20 chs. dist. from cor. No. 4.

Value-----\$50.00

A pole barn 60 x 20 ft., the long side of which bears N. and S., and the NW. cor. of which bears S. 59° 58' E., 8.20 chs. dist. from cor. No. 4.

Value-----\$100.00

Approximately 1-1/2 miles of wire fence

Value-----\$125.00

DESCRIPTION.

This claim is situated on the head waters of Parker Creek taking in the valleys of two creeks, the Creek entering the claim near cor. No. 1 and flowing through the claim in a southwesterly and then in a northerly direction furnishing living water throughout the entire year. The creek entering the claim near cor. No. 4 furnishes enough water to irrigate a small garden patch.

Water for domestic purposes is obtained from an unimproved spring NW. of the house 1.00 ch. dist.

Note: (This spring furnishes about 1/6 of 1 second foot of water in the driest seasons of the year, and the claimant had material on the ground at the time of this survey to improve the spring, and use any surplus water for irrigation purposes.)

The slopes are stony, non-agricultural and covered with scrub oak.

The timber upon this claim has no value except for fire wood or fence posts, of which there are approximately 500.



Chains This is not a mineralized section and I saw no indication of mineral upon the ground.

CONFLICTS AND ADJOINING CLAIMS.

There are neither conflicts nor adjoining claims.

Parker Canyon post office is 6 miles southwesterly by wagon road.

Patagonia, the nearest railroad point in the United States is 33 miles by wagon road in a westerly direction.  
February 4, 1915.

TRAVERSE.

| Cor. to Cor. | Course.       | Dist. | N.    | S. | E.    | W.    |
|--------------|---------------|-------|-------|----|-------|-------|
| 1-2          | S. 24° 22' W. | 25.73 |       |    | 23.44 | 10.62 |
| 2-3          | N. 86° 25' W. | 26.98 | 1.69  |    |       | 26.93 |
| 3-4          | N. 10° 42' W. | 29.81 | 29.29 |    |       | 5.53  |
| 4-1          | S. 80° 04' E. | 43.75 | 7.55  |    | 43.09 |       |

126.27 30.98 30.99 43.09 43.08  
 Error in lat. and dep. 30.98 43.08  
 Closing error 1:8929

Survey completed February 4, 1915.

*Charles T. Hodson*  
 Surveyor - Draftsman.



Chains

Direct Solar H. E. S. No. 291, R. Lee Parker

February 4, 1915.

(1)

| Telescope. | l.m.t.         | Hor. Angle. | Ver. Angle  | Pos. of sun |
|------------|----------------|-------------|-------------|-------------|
| direct     | 9h. 14m. 31s.  | 45° 21'     | 26° 02'     | +           |
| reverse    | 9h. 15m. 51s.  | 45° 40'     | 25° 43'     | -           |
| total      | 18h. 30m. 22s. | 91° 01'     | 51° 45'     |             |
| mean.      | 9h. 15m. 11s.  | 45° 30' 30" | 25° 52' 30" |             |

lat. 31° 25' 04" N. S.G's. S.L's. 1' 39" refraction.

Elev. 5600 ft. .25° 50' 50" Alt.

Long. 110° 27' W. .W 9h. 15m. 11s.

time 7h. 21m. 48s. .4 38 12

4 38 12 .4 38 12

Cos. A =  $\frac{\text{Sin. decl.}}{\text{Cos. lat.}}$  tan. lat. tan. alt.  
Cos. lat. Cos. alt.

$$\frac{37}{60} \times 100 = 61.7$$

log. sin. decl. = 9.450821 44".31

log. cos. lat. 9.931147 4.617

log. cos. alt. 9.954222 31017

$\frac{9.885369}{9.565452} = 17724.16 \text{ } 16^{\circ} 27' 31''$

$\frac{204'' .57927}{16^{\circ} 24' 06'' .4 \text{ decl}}$

log. tan. lat. 9.785918 ✓

log. tan. alt. 9.685242 ✓

log. 9.471160 = .29591 ✓

log. 9.565452 = .36766 ✓

.66357 = 348° 25' 40" E. ✓

45° 30' 30"

bearing of ref. pt.

S. 2° 55' 10" E. ✓



Chains

Direct Solar H. E. S. No. 291, R. Lee Parker,

February 4, 1915.

(2)

| Telescope | l. m. t.       | Hor. angle  | Ver. angle | pos. of sun |
|-----------|----------------|-------------|------------|-------------|
| direct    | 9h. 17m. 00s.  | 44° 50'     | 26° 26'    | +           |
| reverse   | 9h. 18m. 17s.  | 45° 11'     | 26° 06'    | -           |
| total     | 18h. 35m. 17s. | 90° 01'     | 52° 32'    |             |
| mean      | 9h. 17m. 38s.  | 45° 00' 30" | 26° 16'    |             |

lat. 31° 25' 04" N. S. G's. S. 1's. 1' 37" ref. 26° 14' 23" alt.

elev. 5600 ft.

long. 110° 27' W.

time 7h. 21m. 48s.

decl. 16° 24' 06".4

log. sin. decl. = 9.450821

log. cos. lat. = 9.931147

log. cos. alt. = 9.952769

9.883916  
log. = 9.566905 = .36890

log. tan. lat. = 9.785918

log. tan. alt. = 9.692778

log. 9.478696 = .30109

.66999 = S. 47° 56' E.

45° 00' 30"

bearing of reference pt.

S. 2° 55' 30" E.

T.A.

E. 04' 23' 82" = 73333.

46' 30' 30"

E. 01' 23' 2

bearing of ref. pt.



DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 291, STATE OF ARIZONA.

| CORNERS. | BEARING.             | DISTANCE. | LATITUDES. |        | DEPARTURES. |       | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|----------|----------------------|-----------|------------|--------|-------------|-------|--------------|-----------|-----------|
|          |                      |           | NORTH.     | SOUTH. | EAST.       | WEST. |              |           |           |
| 1-2      | S. 24° 22' W.        | 25.73     |            | 23 44  |             | 10 62 | 75 54        | 1770 66   |           |
| 2-3      | N. 86° 25' W.        | 26.98     | 1 69       |        | 26 93       |       | 37 99        | 64 20     |           |
| 3-4      | N. 10° 42' W.        | 29.81     | 29 29      | 54     | 5 53        | 08    | 5 53         | 161 97    |           |
| 4-1      | S. 80° 04' E.        | 43.75     | 7 55       |        | 43 09       |       | 43 08        | 324 82    |           |
|          |                      | 126.27    | 30 98      | 30 99  | 43 09       | 43 08 |              | 226 17    | 2095 48   |
|          |                      |           | 30 98      | 30 98  | 43 08       | 43 08 |              | 226 17    | 226 17    |
|          |                      |           |            |        |             |       |              | 1869 31   | 1869 31   |
|          | Closing error 1:8929 |           |            |        |             |       |              | 93 47     | 93 47     |
|          |                      |           |            |        |             |       |              |           | A.        |
|          |                      |           |            |        |             |       |              |           | T. A.     |



LABLING AND CIRCULATIONS OF HOMERLEAD EMERY SHEETS IN 1921

| COPIES | SETTING         | DISTANCE | FACTORIES |       |       | DELIVERY |      |      | DOUBLE A D | N. YEARS | S. YEARS |
|--------|-----------------|----------|-----------|-------|-------|----------|------|------|------------|----------|----------|
|        |                 |          | Count     | Count | Count | Year     | Year | Year |            |          |          |
| 3-I    | W. 88. 55; W. 8 | 67. 58   | 1         | 1     | 1     | 1921     | 1921 | 1921 | 88 983     | 88 983   |          |
| 3-S    | W. 88. 58; W. 8 | 68. 58   | 1         | 1     | 1     | 1921     | 1921 | 1921 | 88 983     | 88 983   |          |
| 4-S    | W. 88. 58; W. 8 | 68. 58   | 1         | 1     | 1     | 1921     | 1921 | 1921 | 88 983     | 88 983   |          |
| 4-I    | W. 88. 58; W. 8 | 68. 58   | 1         | 1     | 1     | 1921     | 1921 | 1921 | 88 983     | 88 983   |          |

CLOSING INSTRUCTIONS

\* Only three copies of this publication are necessary for the District Office and the remaining are distributed to the various State Offices.  
 1. The circulation of this publication is limited to the various State Offices and the remaining are distributed to the various State Offices.  
 2. The circulation of this publication is limited to the various State Offices and the remaining are distributed to the various State Offices.  
 3. The circulation of this publication is limited to the various State Offices and the remaining are distributed to the various State Offices.



APPROVAL

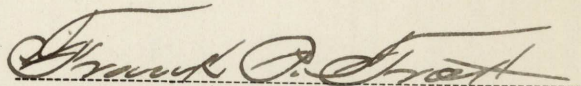
Office of the United States Surveyor General,

Phoenix, Arizona, April 4, 1917.

The foregoing field notes of Homestead Entry Survey No.

291

executed by Charles D. Hodson, Surveyor-Draftsman, [Forest Service Title.]  
under his special instructions, dated October 17, 1914, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the  
above-described survey in the State of Arizona, has been  
correctly copied from the original notes on file in this office.

Frank P. Trott,  
U. S. Surveyor General.



16

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Entry Surveys,  
Coronado Inspection,  
H. E. S. Nos. 291-292-293 and 296

Original survey by Charles D. Hodson, Surveyor Draftsman.  
Inspection by A. W. Hendrix, Forest Ranger, in charge of party.

1. Inspection begun June 9, 1917 and completed June 16, 1917.  
H.E.S. No. 291 located in unsurveyed Secs. 18 and 19, T. 23 S., R. 19 E.; H. E. S. No. 292 in unsurveyed Secs. 26 and 35, T. 23 S., R. 18 E. and H.E.S. 296 in surveyed Sec. 12, T. 24 S., R. 18 E. and unsurveyed Secs. 7 and 18, T. 24 S., R. 19 E. Gila and Salt River Base and Meridian, Coronado National Forest, Arizona.
2. The transit used was a Buff and Buff light Mountain. Bearings of lines referred by angulation to azimuth as determined by observations of Polaris.
3. The lands included in these surveys are properly listable from viewpoint of status and classification.
4. No overlap or hiatus exist.
5. H.E.S. Nos. 291, 292 and 293 are situated in unsurveyed T's. and the position of the corners do not depend upon position of Public Land corners.  
H.E.S. 296, Cor. No. 1, was made identical with cor. to Secs. 7, 12, 13 and 18, T. 24 S. Rs. 18 and 19 E. For retracement of sec. lines see tables attached.



- 16A
6. Monumentation in all cases was good. Corners and witnesses were properly marked.
  7. The position of the corners does not depend upon subdivision and is believed to be correct.
  8. See traverse attached
  9. No field corrections were necessary.
  10. H.E.S. Nos. 291, 292 and 293 are recommended for acceptance as they stand, and in H.E.S. 296<sup>m</sup> the inspector's findings be substituted. The surveyor accepts the Inspector's findings in the case and the returns have been prepared accordingly.

(Sgd.) H. W. Hendrix,

Forest Ranger, in charge.

APPROVED June 10 1918

Calhoun  
District Forester



N. E. S. 291

| Bearings |              |              |         | Distance   |             |         |  |
|----------|--------------|--------------|---------|------------|-------------|---------|--|
| Cors. :  | Surveyor :   | Inspector :  | Diff. : | Surveyor : | Inspector : | Diff. : |  |
| 1-2      | :S.24°22' W. | :S.24°22' W. | : 00    | : 25.73    | : 25.78     | : .05   |  |
| 2-3      | :N.86°25' W. | :N.86°19' W. | : 06'   | : 26.98    | : 26.99     | : .01   |  |
| 3-4      | :N.10°42' W. | :N.10°40' W. | : 02'   | : 29.81    | : 29.84     | : .03   |  |
| 4-1      | :S.80°06' E. | :S.80°06' E. | : 02'   | : 43.75    | : 43.72     | : .03   |  |

16B



| Cora | Bearing       |               |       | Distance |           |       |
|------|---------------|---------------|-------|----------|-----------|-------|
|      | Surveyor      | Inspector     | Diff. | Surveyor | Inspector | Diff. |
| 1-2  | N. 34° 57' W. | N. 34° 55' W. | 02.   | 19.99    | 20.00     | .01   |
| 2-3  | N. 41° 40' E. | N. 41° 41' E. | 01    | 46.46    | 46.44     | .02   |
| 3-4  | N. 6° 29' E.  | N. 06° 30' E. | 01    | 20.03    | 20.05     | .02   |
| 4-5  | S. 69° 39' E. | S. 69° 45' E. | 04    | 20.00    | 19.98     | .02   |
| 5-6  | S. 6° 47' W.  | S. 6° 48' W.  | 01    | 21.08    | 21.09     | .01   |
| 6-7  | S. 20° 08' W. | S. 20° 13' W. | 05    | 19.19    | 19.16     | .03   |
| 7-1  | S. 51° 12' W. | S. 51° 17' W. | 05    | 40.19    | 40.15     | .04   |



H.S.S. 295

| Corners | Surveyor      | Inspector     | Diff. | Surveyor | Inspector | Diff. |
|---------|---------------|---------------|-------|----------|-----------|-------|
| 1-2     | N. 69° 39' W. | N. 69° 43' W. | : .04 | : 20.00  | : 19.98   | : 02  |
| 2-3     | N. 20° 43' E. | N. 20° 40' E. | : .03 | : 20.06  | : 20.10   | : 04  |
| 3-4     | S. 69° 11' E. | S. 69° 13' E. | : .02 | : 19.87  | : 19.83   | : 04  |
| 4-1     | S. 20° 20' W. | S. 20° 18' W. | : .02 | : 19.91  | : 19.96   | : 05  |

160



H. S. S. 196 RETRACEMENT PUBLIC LAND

| Corners             | Bearing      |              |      | Distance |           |      |
|---------------------|--------------|--------------|------|----------|-----------|------|
|                     | Surveyor     | Inspector    | Diff | Surveyor | Inspector | Diff |
| 1/4-7/12--Cor:      | :            | :            | :    | :        | :         | :    |
| 7,12,15 & 18        | S. 0°14' E.  | S. 0°09' E.  | .05' | 40.15    | 40.10     | 05   |
| Cor. 7, 12, 15 & 18 | :            | :            | :    | :        | :         | :    |
| 18-1/4-12/12        | S. 0°14' E.  | S. 0°09' E.  | .05' | 40.15    | 40.10     | 05   |
| Cor. 7, 12, 15 & 18 | :            | :            | :    | :        | :         | :    |
| -1/4 -12/12         | S. 89°50' W. | S. 89°54' W. | .04  | 40.14    | 40.12     | 02   |

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| Corners | Bearing      |              |      | Distance |           |      |
|---------|--------------|--------------|------|----------|-----------|------|
|         | Surveyor     | Inspector    | Diff | Surveyor | Inspector | Diff |
| 1-2     | N. 1°33' E.  | N. 1°36' E.  | 03'  | 24.86    | 24.85     | .01  |
| 2-3     | N. 78°34' E. | N. 78°44' E. | 10'  | 11.98    | 11.96     | .02  |
| 3-4     | N. 43°52' E. | N. 44°02' E. | 10'  | 20.46    | 20.47     | .01  |
| 4-5     | N. 82°30' E. | N. 82°35' E. | 05'  | 27.41    | 27.40     | .01  |
| 5-6     | S. 0°23' W.  | S. 0°36' W.  | 13'  | 3.50     | 3.52      | .02  |
| 6-7     | S. 89°34' W. | S. 89°41' W. | 07'  | 67.06    | 66.97     | .09  |
| 7-1     | S. 89°34' W. | S. 89°41' W. | 07'  | 40.07    | 40.02     | .05  |

Line 1-2 in returns submitted to S. G. was changed to N. 1°35' E., 24.86 to agree with returns for H. M. S. 296, which change was accepted therein by original surveyor.

t

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Bearings

| Corners | Bearings      |               | Distance |          |           |      |
|---------|---------------|---------------|----------|----------|-----------|------|
|         | Surveyor      | Inspector     | Diff     | Surveyor | Inspector | Diff |
| 1-2     | S. 89° 50' W. | S. 89° 54' W. |          |          |           |      |
| 2-3     | N. 63° 04' E. | N. 53° 15' E. | .04      | 8.04     | 8.04      | 00   |
| 3-1     | S. 0° 14' E.  | S. 0° 09' E.  | .11      | 10.03    | 10.03     | 00   |
|         |               |               | .05      | 6.01     | 6.00      | 01   |
|         |               |               |          |          |           |      |
|         |               |               |          |          |           |      |
| 1-3     | N. 0° 14' W.  | N. 0° 09' W.  |          |          |           |      |
| 3-4     | N. 80° 39' E. | N. 80° 44' E. | .05      | 6.01     | 6.00      | 01   |
| 4-5     | N. 60° 56' E. | N. 61° 00' E. | .05      | 21.90    | 21.85     | 02   |
| 5-6     | S. 1° 33' W.  | S. 1° 35' W.  | .04      | 22.04    | 22.05     | 01   |
| 6-7     | N. 89° 29' W. | N. 89° 26' W. | .02      | 48.65    | 48.60     | 05   |
| 7-1     | N. 0° 14' W.  | N. 0° 09' W.  | .03      | 39.60    | 39.42     | 08   |
|         |               |               | .05      | 28.02    | 28.00     | 02   |

164



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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 291, STATE OF Arizona

8-2349

| CORNERS. | BEARING.             | DISTANCE. | LATITUDES.  |                   | DEPARTURES.        |       | DOUBLE M. D. | N. AREAS. |    | S. AREAS. |          |
|----------|----------------------|-----------|-------------|-------------------|--------------------|-------|--------------|-----------|----|-----------|----------|
|          |                      |           | NORTH.      | SOUTH.            | EAST.              | WEST. |              |           |    |           |          |
|          |                      |           | INSPECTOR'S |                   | TRAVERSE           |       |              |           |    |           |          |
| 1-2      | S. 24° 22' W.        | 25.78     |             | 23 49             |                    | 10 64 | 75 48        |           |    | 1773      | 05       |
| 2-3      | S. 86° 19' W.        | 26.99     | 1 72        |                   |                    | 26 90 | 37 94        | 65        | 26 |           |          |
| 3-4      | N. 10° 40' W.        | 29.84     | 29 32       |                   |                    | 5 52  | 5 52         | 161       | 79 |           |          |
| 4-1      | S. 80° 06' E.        | 43.72     |             | 7 52 <sup>4</sup> | 43 07 <sup>6</sup> |       | 43 06        |           |    | 324       | 67       |
|          |                      | 126.33    | 31 04       | 31 01             | 43 07              | 43 06 |              | 227       | 05 | 2098      | 70       |
|          |                      |           | 31 03       | 31 03             | 43 06              | 43 06 |              |           |    | 227       | 05       |
|          | Closing error 1:3995 |           |             |                   |                    |       |              |           |    | 20)1871   | 65       |
|          |                      |           |             |                   |                    |       |              |           |    | 93        | 58 Acres |

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8-2349

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|----------------------|--------------|---------------|--------------------------|--------------|--------------|--------------|--------------|-----------|----|-------------|-----------|
|                      |              |               | NORTH.                   | SOUTH.       | EAST.        | WEST.        |              |           |    |             |           |
|                      |              |               |                          | 23.44        |              | 10 62        | 75 54        |           |    | 1770        | 66        |
| 1-2                  | S. 24°22' W. | 25.73         |                          |              |              | 26 93        | 37 99        | 64        | 20 |             |           |
| 2-3                  | N. 86°25' W. | 26.98         | 1 69                     |              |              | 5 53         | 5 53         | 161       | 97 |             |           |
| 3-4                  | N. 10°42' W. | 29.81         | 29 29                    | 7 4          | 43 08        |              | 43 08        |           |    | 324         | 82        |
| 4-1                  | S. 80°04' E. | 43.75         |                          | 7 55         | 43 09        |              |              |           |    |             |           |
|                      |              | <u>126.27</u> | 130 98                   | 30 99        | 43 09        | 43 08        |              | 226       | 17 | 2095        | 48        |
|                      |              |               | <u>30 98</u>             | <u>30 98</u> | <u>43 08</u> | <u>43 08</u> |              |           |    | <u>226</u>  | <u>17</u> |
|                      |              |               |                          |              |              |              |              | 20        | )  | <u>1869</u> | <u>31</u> |
|                      |              |               |                          |              |              |              |              |           |    | 93          | 47        |
| Closing Error 1:8929 |              |               |                          |              |              |              |              |           |    |             |           |
|                      |              |               | Surveyor's Area Traverse |              |              |              |              |           |    |             |           |

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8-2349

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|----------|----------------------|-----------|--------------------------|----|--------|----|-------------|----|-------|----|--------------|------|-----------|-----|-----------|----|-------|
|          |                      |           | NORTH.                   |    | SOUTH. |    | EAST.       |    | WEST. |    |              |      |           |     |           |    |       |
|          |                      |           | SURVEYOR'S AREA TRAVERSE |    |        |    |             |    |       |    |              |      |           |     |           |    |       |
| 1-2      | N. 34°57' W          | 19.99     | 16                       | 38 |        |    | 87          | 11 | 45    | 11 | 45           | 187  | 67        |     |           |    |       |
| 2-3      | N. 41°40' E          | 46.46     | 34                       | 70 |        | 30 | 89          |    |       | 30 | 87           | 1072 | 12        |     |           |    |       |
| 3-4      | N. 6°29' E           | 20.03     | 19                       | 90 |        | 2  | 26          |    |       | 64 | 00           | 1274 | 24        |     |           |    |       |
| 4-5      | S. 69°39' E          | 20.00     |                          |    | 6      | 96 | 18          | 75 |       | 85 | 01           |      |           | 590 | 82        |    |       |
| 5-6      | S. 6°47' W           | 21.08     |                          |    | 20     | 93 |             |    | 2     | 49 | 101          | 27   | 1659      | 98  | 2118      | 57 |       |
| 6-7      | S. 20°08' W.         | 19.19     |                          |    | 18     | 02 |             |    | 6     | 61 | 92           | 17   | 1363      | 88  | 1659      | 98 |       |
| 7-1      | S. 51°12' W.         | 40.19     |                          |    | 25     | 18 |             |    | 31    | 32 | 54           | 23   |           |     | 1363      | 88 |       |
|          |                      | 186.96    | 70                       | 98 | 71     | 09 | 51          | 90 | 51    | 87 |              |      | 2534      | 03  | 5733      | 25 |       |
|          |                      |           | 71                       | 03 | 71     | 03 | 51          | 88 | 51    | 88 |              |      |           |     | 2534      | 03 |       |
|          |                      |           |                          |    |        |    |             |    |       |    |              |      |           |     | 2003199   | 22 |       |
|          |                      |           |                          |    |        |    |             |    |       |    |              |      |           |     | 159       | 96 | Acres |
|          | Closing error 1:1640 |           |                          |    |        |    |             |    |       |    |              |      |           |     |           |    |       |

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 292, STATE OF ARIZONA

8-2349

| CORNERS. | BEARING.   | DISTANCE.            | LATITUDES.       |        | DEPARTURES. |       | DOUBLE M. D. | N. AREAS. |  | S. AREAS.    |       |
|----------|------------|----------------------|------------------|--------|-------------|-------|--------------|-----------|--|--------------|-------|
|          |            |                      | NORTH.           | SOUTH. | EAST.       | WEST. |              |           |  |              |       |
|          |            |                      | Inspector's Area |        | Traverse    |       |              |           |  |              |       |
| 1-2      | N.34°55'W  | 20.00                | 16 40            |        |             | 11 45 | 11 45        | 187 78    |  |              |       |
| 2-3      | N.41°41'E  | 46.44                | 34 68            |        | 30 88       |       | 30 88        | 1070 30   |  |              |       |
| 3-4      | N. 06°30'E | 20.05                | 19 92            |        | 2 27        |       | 64 03        | 1275 48   |  |              |       |
| 4-5      | S.69°43' E | 19.98                |                  | 6 93   | 18 74       |       | 85 04        |           |  | 589 93       |       |
| 5-6      | S.06°48' W | 21.09                |                  | 20 94  |             | 2 50  | 101 28       |           |  | 2120 80      |       |
| 6-7      | S.20°13' W | 19.16                |                  | 17 98  |             | 6 62  | 92 16        |           |  | 1657 04      |       |
| 7-1      | S.51°17' W | 40.15                |                  | 25 11  |             | 31 32 | 54 22        |           |  | 1362 55      |       |
|          |            | 186.87               | 71 00            | 70 96  | 51 89       | 51 89 |              | 2533 56   |  | 5729 72      |       |
|          |            |                      | 70 98            | 70 98  | 51 89       | 51 89 |              |           |  | 2533 56      |       |
|          |            |                      |                  |        |             |       |              |           |  | 20 ) 3196 16 |       |
|          |            |                      |                  |        |             |       |              |           |  | 159 81       | Acres |
|          |            | Closing error 1:4672 |                  |        |             |       |              |           |  |              |       |

164



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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 293, STATE OF ARIZONA

8-2349

| CORNERS. | BEARING.             | DISTANCE. | LATITUDES.               |        | DEPARTURES. |       | DOUBLE M. D. | N. AREAS. |  | S. AREAS.   |  |  |
|----------|----------------------|-----------|--------------------------|--------|-------------|-------|--------------|-----------|--|-------------|--|--|
|          |                      |           | NORTH.                   | SOUTH. | EAST.       | WEST. |              |           |  |             |  |  |
|          |                      |           | Surveyor's Area Traverse |        |             |       |              |           |  |             |  |  |
| 1-2      | N. 69° 39' W         | 20.00     | 6 96                     |        |             | 18 75 | 18 75        | 130 50    |  |             |  |  |
| 2-3      | N. 20° 43' E         | 20.06     | 18 76                    |        | 7 10        |       | 7 10         | 133 27    |  |             |  |  |
| 3-4      | S. 69° 11' E         | 19.87     |                          | 7 06   | 18 57       |       | 32 77        |           |  | 231 36      |  |  |
| 4-1      | S. 20° 20' W         | 19.91     |                          | 18 67  |             | 6 92  | 44 42        |           |  | 829 32      |  |  |
|          |                      | 79.84     | 25 72                    | 25 73  | 25 67       | 25 67 |              | 263 77    |  | 1060 68     |  |  |
|          |                      |           |                          |        |             |       |              |           |  | 263 77      |  |  |
|          |                      |           |                          |        |             |       |              |           |  | 20 / 796 91 |  |  |
|          |                      |           |                          |        |             |       |              |           |  | 39 85       |  |  |
|          | Closing error 1:7984 |           |                          |        |             |       |              |           |  |             |  |  |

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8-2349

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|----------------------|--------------|-----------|-------------------------|--------|--------------------|--------------------|--------------|-----------|--|-------------|-------|
|                      |              |           | NORTH.                  | SOUTH. | EAST.              | WEST.              |              |           |  |             |       |
|                      |              |           | <b>Inspector's Area</b> |        | <b>Traverse</b>    |                    |              |           |  |             |       |
| 1-2                  | N. 69° 43' W | 19.98     | 6 93 <sup>4</sup>       |        |                    | 18 74 <sup>3</sup> | 18 73        | 129 99    |  |             |       |
| 2-3                  | N. 20° 40' E | 20.10     | 13 81 <sup>2</sup>      |        | 7 09 <sup>10</sup> |                    | 7 10         | 133 62    |  |             |       |
| 3-4                  | S. 69° 13' E | 19.83     |                         | 7 04   | 18 54              |                    | 32 74        |           |  | 230 49      |       |
| 4-1                  | S. 20° 18' W | 19.95     |                         | 18 72  |                    | 6 92 <sup>1</sup>  | 44 37        |           |  | 830 61      |       |
|                      |              | 79.87     | 25 74                   | 25 76  | 25 63              | 25 66              |              | 263 61    |  | 1061 10     |       |
|                      |              |           | 25 76                   | 25 76  | 25 64              | 25 64              |              |           |  | 263 61      |       |
|                      |              |           |                         |        |                    |                    |              |           |  | 20 / 797 49 |       |
|                      |              |           |                         |        |                    |                    |              |           |  | 39 87       | Acres |
| Closing error 1:2224 |              |           |                         |        |                    |                    |              |           |  |             |       |

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Inspection

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 296, STATE OF Arizona

8-2349

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|------------------------|----------------------|-----------|------------|--------|-------------|-------|--------------|-----------|----|-----------|-------------|
|                        |                      |           | NORTH.     | SOUTH. | EAST.       | WEST. |              |           |    |           |             |
| T R A V E R S E        |                      |           |            |        |             |       |              |           |    |           |             |
| Inspector's Area       |                      |           |            |        |             |       |              |           |    |           |             |
| Section 12, Unsurveyed |                      |           |            |        |             |       |              |           |    |           |             |
| 1-2                    | S. 89° 54' W.        | 8.04      |            | 01     |             | 8 04  | 8 05         |           |    |           | 08          |
| 4-3                    | N. 53° 15' E.        | 10.03     | 6 00       |        | 8 04        | 8 03  |              | 48        | 26 |           |             |
| 3-1                    | S. 0° 09' E.         | 6.00      |            | 6 00   | 02          | 16 08 |              |           |    |           | 96 48       |
|                        |                      | 24.07     | 6 00       | 6 01   | 8 06        | 8 04  |              | 48        | 26 |           | 96 56       |
|                        | Closing error 1:2010 |           | 6 01       | 6 01   | 8 05        | 8 05  |              |           |    |           |             |
| Secs. 7 & 18, Unserved |                      |           |            |        |             |       |              |           |    |           |             |
| 3-4                    | N. 80° 44' E.        | 21.88     | 3 52       |        | 21 59       | 21 59 |              | 76        | 20 |           |             |
| 4-5                    | N. 61° 00' E.        | 22.05     | 10 69      |        | 19 29       | 62 47 |              | 667       | 80 |           |             |
| 5-6                    | S. 01° 35' W.        | 48.60     |            | 48 58  |             | 1 34  | 80 40        |           |    |           | 3906 64     |
| 6-7                    | N. 89° 26' W.        | 39.42     |            | 39     |             | 39 42 | 39 61        |           | 15 | 05        |             |
| 7-1                    | N. 0° 09' W.         | 28.00     | 28 00      |        |             | 07    | 11           |           | 3  | 08        |             |
| 1-3                    | N. 0° 09' W.         | 6.00      | 6 00       |        |             | 02    | 02           |           |    | 12        |             |
|                        |                      | 165.95    | 48 50      | 48 58  | 40 88       | 40 85 | 162 25       | 762       | 25 |           | 3906 64     |
|                        |                      |           | 48 59      | 48 59  | 40 88       | 40 88 |              |           |    |           | 762 25      |
|                        | Closing error 1:4603 |           |            |        |             |       |              |           |    |           | 20 12144 39 |
|                        |                      |           |            |        |             |       |              |           |    |           | 157 22      |

A 16N



- DIRECTIONS.—1. Carry out calculations to two decimals only.  
 2. In balancing Latitudes and Departures do not obliterate or change the original figures. Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines.  
 3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal. Surveyors are required to use the Standard Field Tables issued by the G. L. O.  
 4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner.

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TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. \_\_\_\_\_, STATE OF \_\_\_\_\_

8-2349

| CORNERS.                  | BEARING.     | DISTANCE. | LATITUDES. |        | DEPARTURES. |       | DOUBLE M. D. | N. AREAS. |    | S. AREAS. |              |        |
|---------------------------|--------------|-----------|------------|--------|-------------|-------|--------------|-----------|----|-----------|--------------|--------|
|                           |              |           | NORTH.     | SOUTH. | EAST.       | WEST. |              |           |    |           |              |        |
| Sec. 12 - Surveyed        |              |           |            |        |             |       |              |           |    |           |              |        |
| Surveyor's Area Traverse  |              |           |            |        |             |       |              |           |    |           |              |        |
| 1-2                       | S. 89°50' W. | 8.04      |            | 02     |             | 8 04  | 8 04         |           |    |           |              | 16     |
| 2-3                       | N. 53°04' E. | 10.03     | 6 03       |        | 8 02        |       | 8 02         | 48 36     |    |           |              |        |
| 3-1                       | S. 0° 14' E. | 6.01      |            | 6 01   | 02          |       | 16 06        |           |    |           | 96 52        |        |
|                           |              | 24.08     | 6 03       | 6 03   | 8 04        | 8 04  |              | 48 36     |    |           | 96 68        |        |
|                           |              |           |            |        |             |       |              |           |    |           | 48 36        |        |
|                           |              |           |            |        |             |       |              |           |    |           | 20 ) 48 32   | 2.42 A |
| Closing error, None.      |              |           |            |        |             |       |              |           |    |           |              |        |
| Secs. 7 & 18, unsurveyed. |              |           |            |        |             |       |              |           |    |           |              |        |
| 1-3                       | N. 0° 14' W. | 6.01      | 6 01       |        |             | 02    |              |           | 12 |           |              |        |
| 3-4                       | N. 80°39' E. | 21.90     | 3 56       |        |             | 62    | 21 62        | 76 97     |    |           |              |        |
| 4-5                       | N. 60°56' E. | 22.04     | 10 71      |        |             | 27    | 62 51        | 669 48    |    |           |              |        |
| 5-6                       | S. 1°33' W.  | 48.65     |            | 48 64  |             | 30    | 80 48        |           |    |           | 3914 55      |        |
| 6-7                       | N. 89°29' W. | 29.50     |            | 36     |             | 48    | 39 70        | 13 90     |    |           | 13 90        |        |
| 7-1                       | N. 0°14' W.  | 28.02     | 28 02      |        |             | 89    | 13           | 3 64      |    |           |              |        |
|                           |              | 166.12    | 48 66      | 48 63  | 40 87       | 40 95 |              | 764 11    |    |           | 3914 55      |        |
|                           |              |           | 48 64      | 48 64  | 40 89       | 40 89 |              |           |    |           | 764 11       |        |
|                           |              |           |            |        |             |       |              |           |    |           | 20 ) 3150 44 |        |
|                           |              |           |            |        |             |       |              |           |    |           | 157 52       | Acres  |
|                           |              |           |            |        |             |       |              |           |    |           |              | 160    |
| Closing error 1:1944      |              |           |            |        |             |       |              |           |    |           |              |        |