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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

NOV. 2- 1916

JUL 23 1917

AUG 20 1917

FIELD NOTES

OF

MAR - 2 1918

HOMESTEAD ENTRY SURVEY NO. 379

SITUATED IN THE COCONINO NATIONAL FOREST

DEC 9- 1918

ADMINISTRATIVE DISTRICT NO. 3

In Section 24 , - surveyed, Township 20 N., Range 7 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicants for listing Jose B. Lucero and Andrew Chavez,

| | | | |
|---------------------|---------------------|--------------|--------|
| Residence | Flagstaff, Arizona. | | |
| Application No. 257 | , dated | July 21 | , 1911 |
| Application No. 625 | , dated | September 14 | , 1916 |
| List No. 3-1553 | , dated | December 2 | , 1911 |

Applicant for survey Andrew Chavez,

| | | | |
|------------------|---------------------|---------|--------|
| Residence | Flagstaff, Arizona. | | |
| H. E. No. 018710 | , dated | July 20 | , 1912 |
| Office | Phoenix, Arizona. | | |
| Land District | Phoenix, Arizona. | | |

Survey executed by R. P. A. Johnson, Surveyor - Draftsman
[Forest Service Title.]

Under special instructions dated July 9 , 1915

Survey commenced October 27 , 1915

Survey completed November 4 , 1915

Under Acts of June 11, 1906 and March 4, 1915.

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OATH OF ASSISTANTS

We hereby certify that we assisted R.P.A. Johnson
Surveyor Draftsman in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. 379, 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 established, according to the instructions furnished by the United States Surveyor General for Arizona

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

E.L. Baecht, Chairman
Douglas C. Meister, Chairman

Subscribed and sworn to before me this fifteenth day of December, 1915.

R.P.A. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

I, R.P.A. Johnson, Surveyor Draftsman
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated July 9, 1915, 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 3-1553, dated December 2, 1911 and a tract of land from the application of Andrew Chavez patent, No. , dated , 19 , for , under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 379, situated within the Cocconino National Forest, in surveyed Section R4, Township 20N., Range 7E, and surveyed Section , Township , Range ,

of the Gila and Salt River Baseline 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.

R.P.A. Johnson
Surveyor Draftsman
[Forest Service Title.]

Subscribed and sworn to before me this 24th day of March, 1916.

Elsie C. Myers
Notary Public



THE COCONINO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Jose B. Lucero; Application No. 257, dated July 21, 1911; List No. 3-1553, dated December 2, 1911; H. E. 018710, made in the Phoenix Land Office on July 20, 1912 by Andrew Chavez.

Also a tract of unlisted land adjoining claimant's entry was included in this survey; the land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of his entry No. 018710.

Surveyed under special instructions from the Surveyor General for Arizona, dated July 9, 1915, and designated as Homestead Entry Survey No. 379.

Situated in sec. 24, T. 20 N., R. 7 E., Gila and Salt River Base and Meridian, Coconino National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1915.

Survey commenced October 27, 1915, and executed with a Buff and Buff transit No. 9700-6.

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

All measurements were made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer, the horizontal distances only appearing in these notes.

October 27, 1915.

At 11h. 03.3m. a.m., l.m.t., I observe the altitude of the sun for azimuth at cor. No. 1 of this survey. 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 is set for local

Chains

mean time. Latitude $35^{\circ} 05' 30''$ N., Longitude $111^{\circ} 36' 30''$ W., Elevation 6900 ft., from Flagstaff Quadrangle U. S. G. S. sheet.

| Telescope | Time | Horizontal Angle | Vertical Angle |
|-----------|----------------|-----------------------|-----------------------|
| Direct | 11h. 02m. 33s. | $13^{\circ} 23' 00''$ | $41^{\circ} 35' 00''$ |
| Reversed | 11h. 04m. 11s. | $13^{\circ} 31' 00''$ | $41^{\circ} 07' 30''$ |

Bearing of object, S. $0^{\circ} 10' 10''$ W.

At 2h. 52m. 03s. p.m., l.m.t., I again observe the altitude of the sun for azimuth at cor. No. 1. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field.

| Telescope | Time | Horizontal Angle | Vertical Angle |
|-----------|---------------|-----------------------|-----------------------|
| Direct | 2h. 51m. 50s. | $51^{\circ} 49' 30''$ | $24^{\circ} 34' 00''$ |
| Reversed | 2h. 52m. 47s. | $51^{\circ} 26' 00''$ | $24^{\circ} 57' 30''$ |

Bearing of object, S. $0^{\circ} 09' 52''$ W.

The mean of these is S. $0^{\circ} 10' 01''$ W., and to the corresponding meridian all the courses of this survey are referred.

RETRACEMENTS - RESURVEYS

October 27, 1915.

From cor. for secs. 23, 24, 25 and 26, T. 20 N., R. 7 E., which is described by the Surveyor General as a post with charred stake, mound of earth and 4 witness trees.

I find stub of old post and stumps of three witness trees, one of which still shows evidence of scribe markings, and block sawed from a second is plainly marked. I restore cor. as follows:

Set a limestone 24 x 8 x 6 ins., 14 ins. in the ground,

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over a small stone marked with a cross, for cor. to
secs. 23, 24, 25, and 26, chiseled with 2 notches on
S. face and 1 notch on E. face; and raise a mound of
stone 3 ft. base, 2 ft. high around cor., whence:

A yellow pine, 12 ins. dia., bears N. 70°

42' E., 197 lks. dist., blazed and scribed

T 20 N R 7 E S 24 B T.

A yellow pine, 16 ins. dia., bears S. 63°

45' E., 153 lks. dist., blazed and scribed

T 20 N R 7 E S 25 B T.

A yellow pine, 18 ins. dia., bears N. 60°

58' W., 205 lks. dist., blazed and scribed

T 20 N R 7 E S 23 B T.

A yellow pine, 22 ins. dia., bears S. 72° W.,

302 lks. dist., blazed and scribed

T 20 N R 7 E S 26 B T

Thence East.

On a random line bet. secs. 24 and 25.

39.92 Fall 16 lks. S. of 1/4 sec. cor. bet. secs. 24 and 25,
which is described by the Surveyor General as a post,
with charred stake, mound of earth and two witness
trees. I find stub of old post, stumps of witness
trees and mound of earth and rock. I restore cor.
as follows:

Set a limestone 24 x 12 x 4 ins., 14 ins. in the ground,
over a small stone marked with a cross, for 1/4 sec.
cor., chiseled 1/4 on N. face; and raise a mound of
stone 3 ft. base, 2 ft. high N. of cor., whence:

A yellow pine, 16 ins. dia., bears N. 5°

48' W., 98 lks. dist., blazed and scribed

1/4 S 24 B T.

Chains
 A yellow pine, 18 ins. dia., bears S. 14°
 36' W., 74 lks. dist., blazed and
 scribed 1/4 S. 25 B T.
 Thence S. 89° 46' W.
 On true line bet. secs. 24 and 25.
 4.99 Set temp. 1/256 sec. cor. on S. bdy. SE/4 SE/4 SW/4,
 sec. 24, and point for cor. No. 1 of this survey.
 9.98 Set temp. 1/64 sec. cor. on S. bdy. SE/4 SW/4, sec. 24
 and point for cor. No. 7 of this survey.
 19.96 Set temp. 1/16 sec. cor. on S. bdy. SW/4, sec. 24.
 39.92 Cor. for secs. 23, 24, 25 and 26.

Thence North.

On a random line bet. secs. 23 and 24.
 40.11 Fall 1 lk. E. of 1/4 sec. cor. bet. secs. 23 and 24,
 which is a post marked as described by the Surveyor
 General. Post is partially decayed and one witness
 tree destroyed. I restore cor. as follows:
 Set a limestone 26 x 14 x 8 ins., 13 ins. in the ground,
 over a small stone marked with a cross, for 1/4 sec.
 cor., chiseled 1/4 on W. face; and raise a mound of
 stone 3 ft. base, 2 ft. high, W. of cor., whence:
 Original witness tree, a yellow pine,
 42 ins. dia., bears N. 86° 25' E., 107
 lks. dist., blazed and scribed 1/4 S 24 B T.
 A yellow pine, 8 ins. dia., bears S. 62°
 25' W., 153 lks. dist., blazed and
 scribed 1/4 S 23 B T.
 Thence S. 0° 01' E.
 On true line bet. secs. 23 and 24.
 20.05 1/2 Set temp. 1/16 sec. cor. on W. bdy. SW/4, sec. 24.

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Chains
40.11

Cor. for secs. 23, 24, 25 and 26.

October 27, 1915.

October 28, 1915.

I proceed to cor. for secs. 13, 14, 23 and 24, which is described by the Surveyor General as a post with charred stake, mound of earth, pits, and four witness trees.

I find stub of old stake, mound of earth and rock, one witness tree, and stump of one tree with marks intact.

I restore cor. as follows:

Set a limestone 24 x 8 x 6 ins., 12 ins. in the ground, over a small stone marked with a cross for cor. of secs. 13, 14, 23 and 24, chiseled with 3 notches on S. face and one notch on E. face; and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., whence:

Original witness tree, a yellow pine,

38 ins. dia., bears S. 15° 10' W., 45

lks. dist., blazed and scribed T 20 N

R 7 E S 23 B T.

Original witness, a stump, 30 ins. dia.,

bears N. 43° 15' E., 25 lks. dist.,

scribed S 13 B T.

A yellow pine, 32 ins. dia., bears N. 58°

15' W., 48 lks. dist., blazed and

scribed T 20 N R 7 E S 14 B T.

Thence East

On a random line bet. secs. 13 and 24.

40.00 The 1/4 sec. cor. bet. secs. 13 and 24 is not found after careful search.

79.75 Fall 67 lks. S. of cor. for secs. 13, 18, 19 and 24, which is a post marked and witnessed as described by the Surveyor General, except for witnesses in secs. 19 and 24, which are missing.

Chains Thence S. 89° 31' W.
 On true line bet. secs. 13 and 24.
 39.87½ At this point I again make careful search for 1/4 cor.,
 which is described by the Surveyor General as a post,
 with mound of earth and 2 witnesses. I fail to find
 any trace of post, stake, mound or witness trees. I
 re-establish cor. as follows:
 Set a limestone 24 x 8 x 8 ins., 12 ins. in the ground,
 over a small stone marked with a cross, for 1/4 sec.
 cor., chiseled 1/4 on North face; and raise a mound
 of stone 3 ft. base, 2 ft. high, N. of cor., whence:
 A yellow pine, 22 ins. dia., bears N. 32°
 20' W., 97 lks. dist., blazed and
 scribed 1/4 S 13 B T.
 A yellow pine, 22 ins. dia., bears S. 65°
 30' E., 220 lks. dist., blazed and
 scribed 1/4 S 24 B T.
 79.95 Cor. for secs. 13, 14, 23 and 24.

Subdivision Sec. 24, T. 20 N., R. 7 E.
 From 1/4 sec. cor. bet. secs. 23 and 24, heretofore
 described.
 Thence East.
 On random latitudinal 1/4 sec. line bet. N/2 and
 S/2, sec. 24.
 79.68 Fall 37 lks. South of 1/4 sec. cor. bet. secs. 24 and 19,
 which is a post marked and witnessed as described by
 the Surveyor General. The post has been broken off.
 I restore cor. as follows.
 Set a limestone 24 x 10 x 10 ins., 12 ins. in the ground,
 over a small stone marked with a cross for 1/4 sec. cor.,
 chiseled 1/4 on N. face; and raise a mound of stone
 3 ft. base, 2 ft. high, West of cor.
 Thence S. 89° 44' W.

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| Chains | On true latitudinal 1/4 sec. line bet. N/2 and S/2, sec. 24. |
| 79.68 | 1/4 sec. cor. bet. secs. 23 and 24. October 28, 1915. |
| | October 29, 1915. From 1/4 sec. cor. bet. secs. 24 and 25, heretofore described. Thence North. On random meridional 1/4 sec. line bet. E/2 and W/2, sec. 24. re-established |
| 80.20 | Fall 44 lks. E. of 1/4 sec. cor. bet. secs. 13 and 24. Thence S. 0° 19' E. ✓ |
| | On true meridional 1/4 sec. line bet. E/2 and W/2, sec. 24. |
| 40.10 | Set temp. C 1/4 S, sec. 24, at intersection with true latitudinal center line. 1/4 sec. cor. bet. secs. 24 and 19 bears N. 89° 44' E., 40.03 chs. dist. |
| | Thence S. 89° 44' W. On true latitudinal 1/4 sec. line bet. N/2 and S/2, sec. 24. |
| 19.82½ | Set temp. 1/16 sec. cor., center W/2, sec. 24. |
| 39.65 | 1/4 sec. cor. bet. secs. 23 and 24, heretofore described. |
| | Return to temp. C 1/4 S, sec. 24. Thence S. 0° 19' E. On true meridional 1/4 sec. line bet. E/2 and W/2, sec. 24. |
| 10.02½ | Set temp. 1/64 sec. cor. on E. bdy. NE/4 SW/4, and point for cor. No. 25 of this claim. |
| 20.05 | Set temp. 1/16 sec. cor., center S/2, sec. 24. |
| 35.09 | Set temp. 1/256 sec. cor. on E. bdy. SE/4 SE/4 SW/4, and |

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| Chains 40.10 | point for cor. No. 4 of this claim. 1/4 sec. cor. bet. secs. 24 and 25, heretofore described. |
| | From temp. 1/16 sec. cor. on E. bdy. SW/4, sec. 24. Thence West. On random latitudinal 1/16 sec. line through SW/4, sec. 24. |
| 39.76 | Fall 19 lks. N. of temp. 1/16 sec. cor. on W. bdy. SW/4, sec. 24. Thence N. 89° 44' E. ✓ On true latitudinal 1/16 sec. line through SW/4, sec. 24. |
| 39.76 | Temp. 1/16 sec. cor. center S/2, sec. 24. From temp. 1/16 sec. cor., center W/2, sec. 24. Thence South. On random meridional 1/16 sec. line through SW/4, sec. 24. |
| 40.09 | Fall 14 lks. W. of temp. 1/16 sec. cor. on S. bdy. SW/4, sec. 24. Thence N. 0° 12' W. On true meridional 1/16 sec. line through SW/4, sec. 24. |
| 20.05 | Set temp. 1/16 sec. cor., center SW/4, sec. 24. Thence N. 89° 44' E. On true latitudinal 1/16 sec. line, through SW/4, sec. 24. |
| 4.96½ | Set temp. 1/256 sec. cor. on N. bdy. NW/4 SE/4 SW/4 and point for cor. No. 11 of this survey. |
| 19.86 | Temp. 1/16 sec. cor., center S/2, sec. 24. Return to temp. 1/16 sec. cor., center SW/4, sec. 24. Thence S. 89° 44' W. On true latitudinal 1/16 sec. line through SW/4, |

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| Chains | sec. 24. |
| 4.97 $\frac{1}{2}$ | Set temp. 1/256 sec. cor. on N. bdy. NE/4 SW/4 SW/4, and point for cor. No. 12 of this survey. |
| 19.90 | Temp. 1/16 cor. on W. bdy. SW/4, sec. 24. |
| <hr/> | |
| | Return to temp. 1/16 sec. cor. center SW/4, sec. 24. Thence N. 0° 12' W. On true meridional 1/16 sec. line, through SW/4, sec. 24. |
| 5.01. | Set temp. 1/256 sec. cor. on E. bdy. SE/4 NW/4, SW/4 and point for cor. No. 21 of this survey. |
| 15.03 | Set temp. 1/256 sec. cor. on W. bdy. NW/4 NE/4 SW/4 and point for cor. No. 22 of this survey. |
| 20.04 | Temp. 1/16 sec. cor., center W/2, sec. 24. |
| October 29, 1915. | |
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| October 30 and 31 and November 1, 1915, no work. | |
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| November 2, 1915. | |
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| | From temp. 1/256 cor. on E. bdy. SE/4 SE/4 SW/4, sec. 24, adopting mean courses and distances. Thence S. 89° 46' W. On latitudinal line through SE/4 SE/4 SW/4, sec. 24. |
| 4.98 | Set temp. 1/256 sec. cor. at center SE/4 SE/4 SW/4, sec. 24, and point for cor. No. 5 of this survey. Thence S. 0° 17' E. On random meridional center line SE/4 SE/4 SW/4, sec. 24. |
| 5.02 | Temp. 1/256 sec. cor. on S. bdy. SE/4 SE/4 SW/4, sec. 24. Thence N. 0° 17' W. On true meridional center line SE/4 SE/4 SW/4, sec. 24. |
| 5.02 | Temp. 1/256 sec. cor. at center of SE/4 SE/4 SW/4, sec. 24. |
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| Chains | I proceed to 1/64 sec. cor. on S. bdy. SE/4 SW/4, sec. 24, adopting mean courses and distances. Thence N. 0° 15' W. On meridional line through SE/4 SW/4, sec. 24. |
| 5.01 | Set temp. 1/256 sec. cor. on E. bdy. SW/4 SE/4 SW/4, sec. 24, and point for cor. No. 9. of this survey. Thence S. 89° 46' W. On latitudinal line through SW/4 SE/4 SW/4, sec. 24. |
| 4.98 | Set temp. 1/256 sec. cor. at center SW/4 SE/4 SW/4, sec. 24, and point for cor. No. 10 of this survey. Thence N. 0° 14' W. On random meridional line through W/2 SE/4 SW/4, sec. 24. |
| 15.06 | Fall 3 lks. W. of 1/256 sec. line on N. bdy. NW/4 SE/4 SW/4, sec. 24. Thence S. 0° 07' E. ✓ On true meridional line through W/2 SE/4 SW/4, sec. 24. |
| 15.06 | Temp. 1/256 sec. cor. at center SW/4 SE/4 SW/4, sec. 24. |
| | From 1/256 sec. cor. on S. bdy. SE/4 NW/4 SW/4, sec. 24, adopting mean courses and distances. Thence N. 0° 09' W. On meridional line through SE/4 NW/4 SW/4, sec. 24. |
| 5.01 | Set temp. 1/256 sec. cor. at center SE/4 NW/4 SW/4, sec. 24, and point for cor. No. 20 of this survey. Thence N. 89° 44' E. On latitudinal line through SE/4 NW/4 SW/4, sec. 24. |
| 4.97 | Temp. 1/256 sec. cor. on E. bdy. SE/4 NW/4 SW/4. |
| | From 1/256 sec. cor. on W. bdy. NW/4 NE/4 SW/4, sec. 24, adopting mean courses and distances. Thence N. 89° 44' E. On latitudinal line through NW/4 NE/4 SW/4, sec. 24. |
| 9.92 | Set temp. 1/256 sec. cor. on E. bdy. NW/4 NE/4 SW/4, |

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Chains sec. 24, and point for cor. No. 23 of this survey.

Thence S. 0° 15' E.

On meridional line NE/4 SW/4, sec. 24.

5.01 Set temp. 1/64' sec. cor. at center NE/4 SW/4, sec. 24 and point for cor. No. 24 of this survey.

Thence N. 89° 44' E.

On latitudinal line through NE/4 SW/4, sec. 24.

9.91 Temp. 1/64' sec. cor. on E. bdy. NE/4 SW/4.

Return course S. 89° 44' W., 9.91 chs.

November 2, 1915.

The strips excepted from this survey are primarily for a logging railroad right of way required by the Forest Service as an outlet for Government owned timber and for the protection of Government interests. The center line method of laying down the boundaries of the exceptions was not used.

November 3, 1915.

TRACT A.

Beginning at cor. No. 1 and Closing Corner on line bet. secs. 24 and 25.

Identical with 1/256' sec. cor. on S. bdy. SE/4 SE/4

SW/4. Deposit a stone 6 x 5 x 4 ins. marked with a cross 14 ins. in the ground, over which set a limestone 24 x 16 x 6 ins. chiseled cross for the point, and

1 - H E S 379 on the NW. face and C C on the N. face; and raise a mound of stone 3 ft. base, 2 ft. high N.

of cor., whence:

A yellow pine, 14 ins. dia., bears N. 67°

44' W., 42 lks. dist., blazed and

scribed 1 H E S 379 + B T.

A yellow pine, 18 ins. dia., bears S. 46°

45' E., 27 lks. dist., blazed and

scribed 1 H E S 379 + B T.

1/4 cor. bet. secs. 24 and 25, heretofore

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Chains *vevna aid* described, bears N. 89° 46' E., 4.99 chs. dist.

Cor. for secs. 23, 24, 25 and 26, heretofore

described, bears S. 89° 46' W., 34.93 chs. dist.

Lat. 35° 05' 30" N., Long. 111° 36' 30" W., from U. S.

G. S. sheet, Flagstaff Quadrangle,

Mag. Va., 14° 30' E. at 11:00 a.m. Mean Mag. Va., 14° 31' E.

Thence S. 89° 46' W.

Descend 30 ft. to cor. Fence on line.

4.24 To cor. No. 2 and C. C. on line bet. secs. 24 and 25.

Deposit a stone 6 x 4 x 3 ins. marked with a cross

16 ins. in the ground, over which set a limestone 26 x

10 x 5 ins. chiseled cross for the point, C C on NE.

face and 2 - H E S 379 on ENE. face; and raise a mound

of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A twin pine, 46 ins. dia., bears N. 40°

20' E., 218 lks. dist., blazed and

scribed 2 H E S 379 + B T.

A yellow pine, 16 ins. dia., bears N. 73°

43' E., 26 lks. dist., blazed and

scribed 2 H E S 379 + B T.

1/4 sec. cor. bet. secs. 24 and 25, here-

tofore described, bears N. 89° 46' E.,

9.23 chs. dist.

Cor. for secs. 23, 24, 25 and 26, heretofore

described, bears S. 89° 46' W., 30.69 chs. dist.

Thence N. 34° 32' E.

Along E. line of railroad right-of-way, descending

10 ft. to cor.

8.50 Earth dam, bears NW. and SE.

14.85 Enter cultivated land, bears NW. and SE.

16.11 To cor. No. 3.

On/meridional 1/4 sec. line, through sec. 24.

Deposit a broken glass 14 ins. in the ground, over

which set a limestone 24 x 14 x 4 ins., chiseled cross

for the point and 3 - H E S 379 on the SW. face; and

raise a mound of stone 2 ft. base, 1-1/2 ft. high

heretofore

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| Chains | <p>around cor. to protect it.</p> <p>No witnesses available. Pits impracticable.</p> |
| | <p>Thence S. 0° 19' E. true Along/meridional 1/4 sec. line through sec. 24. Over level land.</p> |
| 3.20 | <p>Cor. fence; fence bears E. and S. Ascend 50 ft. to cor.</p> |
| 8.20 | <p>To cor. No. 4. At cor. fence, fence bears N. and W. Identical with 1/256 sec. cor. on E. bdy. SE/4 SE/4 SW/4, sec. 28. Deposit a stone 8 x 6 x 2 ins. marked with a cross 14 ins. in the ground, over which set a limestone 24 x 10 x 6 ins., chiseled cross for the point and 4 - H E S 379 on NW. face; and raise a mound of stone 4 ft. base, 3 ft. high NW. of cor., whence: A yellow pine, 12 ins. dia., bears S. 69° 55' W., 39 lks. dist., blazed and scribed 4 H E S 379 + B T. A yellow pine, 15 ins. dia., bears N. 20° 05' W., 118 lks. dist., blazed and scribed 4 H E S 379 + B T.</p> |
| 4.98 | <p>Thence S. 89° 46' W. Descend 40 ft. to cor. Fence on line.</p> <p>To cor. No. 5. At cor. fence, fence bears E. and S. Identical with 1/256 sec. cor. at center SE/4 SE/4 SW/4, sec. 24. Deposit a stone 6 x 4 x 3 ins. marked with a cross 24 ins. in the ground, over which set a limestone 38 x 12 x 12 ins., chiseled cross for the point and 5 - H E S 379 on the NW. face; and raise a mound of stone 4 ft. base, 3 ft. high NW. of cor., whence: A yellow pine, 14 ins. dia., bears S. 42° 41' E., 108 lks. dist., blazed and scribed 5 H E S 379 + B.T.</p> |

Chains

No other bearings available. Pits impracticable.

Thence S. 0° 17' E.

Ascend 30 ft. to cor. Fence on line.

5.02 Cor. No. 1, the place of beginning.

TRACT B.

Beginning at cor. No. 6.

On^{true} meridional 1/4 sec. line through sec. 24.

Deposit a broken glass 14 ins. in the ground, over which set a limestone 25 x 5 x 4-ins., chiseled + for the point and 6 - H E S 379 on W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high around cor. to protect it.

No witnesses available. Pits impracticable.

Cor. No. 3, Tract A., heretofore described,

bears S. 0° 19' E., 79- lks. dist.

Thence S. 34° 32' W.

Along West bdy. of railroad right-of-way/ (Tract D)
Over cultivated, level land.

1.80 Leave cultivated land, bears NW. and SE.

8.20 Earth dam, 6 ft. high, bears NW. and SE.

17.08 To cor. No. 7 and C. C. on line bet. secs. 24 and 25.

Deposit a stone 4 x 4 x 3 ins., marked with a +, 16 ins. in the ground, over which set a limestone 26 x 12 x 6 ins., chiseled + for the point, C C on NE. face and 7 - H E S 379 on N. face; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A twin pine, 46 ins. dia., bears N. 50° E.,

257 lks. dist., blazed and scribed

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7 H E S 379 + B. T.

A yellow pine, 14 ins. dia., bears N. 1°
51' W., 266 lks. dist., blazed and
scribed 7 H E S 379 + B. T.

Cor. No. 2, Tract A, heretofore described,

bears N. 89° 46' E., 56 lks. dist.

Cor. for secs. 23, 24, 25 and 26, heretofore

described, bears S. 89° 46' W., 30.13

chs. dist.

1/4 sec. cor. bet. secs. 24 and 25, here-

tofore described, bears N. 89° 46' E.,

9.79 chs. dist.

Thence S. 89° 46' W.

Along fence and sec. line.

0.19 Cor. No. 8 and C. C. on line bet. secs. 24 and 25.

Identical with 1/64 sec. cor. on S. bdy. SE/4 SW/4
sec. 24.

Deposit a stone, 4 x 4 x 3 ins. marked with a +, 14
ins. in the ground, over which set a limestone 24 x
15 x 8 ins. chiseled + for the point, C C on N. face
and 8 - H E S 379. on NE. face; and raise a mound of
stone 3 ft. base, 2 ft. high, N. of cor., whence:

A yellow pine, 26 ins. dia., bears N. 89°

45' E., 162 lks. dist., blazed and

scribed 8 H E S 379 + B. T.

A yellow pine, 8 ins. dia., bears N. 86°

39' W., 113 lks. dist., blazed and

scribed 8 H E S 379 + B. T.

Cor. for secs. 23, 24, 25 and 26, hereto-

fore described, bears S. 89° 46' W.,

Chains

29.94 chs. dist.

1/4 sec. cor. bet. secs. 24 and 25, here-

before described, bears N. 89° 46' E.,

9.98 chs. dist.

Thence N. 0° 15' W.

Over level land. Fence on line.

3.00 Base hill. Ascend 30 ft. to ridge.

4.10 Top ridge. Descend 15 ft. to cor.

5.01 To cor. No. 9.

Identical with 1/256 sec. cor. at center S/2 SE/4

SW/4, sec. 24. Deposit a stone 8 x 6 x 2 ins.

marked with a +, 18 ins. in the ground, over which

set a limestone 28 x 14 x 14 ins. chiseled + for the

point and 9 - H E S. 379 on NE. face; and raise a

mound of stone, 4 ft. base, 3 ft. high, NE. of cor.,

whence:

A yellow pine, 20 ins. dia., bears S. 55°

19' E., 127 lks. dist., blazed and

scribed 9 H E S. 379, + B T.

A yellow pine, 6 ins. dia., bears S. 71°

06' W., 70 lks. dist., blazed and

scribed 9, H E S. 379, +, B T.

Thence S. 89° 46' W.

Ascend 15 ft. along N. slope. Fence on line.

1.60 Top hill. Descend 15 ft. to cor.

4.98 To cor. No. 10.

Identical with 1/256 sec. cor. at center of SW/4 SE/4

SW/4, sec. 24. Deposit a stone 8 x 5 x 2 ins., mark-

ed with a +, 14 ins. in the ground, over which set a

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Chains

limestone 24 x 14 x 7 ins., chiseled + for the point and 10 - H E S 379 on NE. face; and raise a mound of stone 3 ft. base, 2 ft. high, NE. of cor., whence:

A yellow pine, 26 ins. dia., bears N. 89°

45' E., 162 lks. dist., blazed and

scribed 10 H E S 379 + B T.

A yellow pine, 28 ins. dia., bears S. 42°

30' W., 131 lks. dist., blazed and

scribed 10 H E S 379 + B T.

Thence N. 0° 07' W.

Ascend 15 ft. along East slope. Fence on line.

4.90 Fence cor., fence bears E. Leave fence.

5.01 Leave listed and enter unlisted land.

7.50 Top ascent. Descend 20 ft. to cor.

9.70 Road, bears E. and W.

9.90 Fence cor., fence bears E. Continue along fence.

10.02 Leave unlisted and enter listed land.

15.06 To cor. No. 11.

Identical with 1/256 sec. cor. on N. bdy. NW/4 SE/4

SW/4, sec. 24. Deposit a stone 6 x 5 x 4 ins.,

marked with a +, 14 ins. in the ground, over which

set a limestone 24 x 15 x 8 ins., chiseled + for the

point and 11 - H E S 379 on NE. face; and raise a

mound of stone 3 ft. base, 2 ft. high, NE. of cor.,

whence:

A yellow pine, 4 ins. dia., bears S. 83°

14' W., 120 lks. dist., blazed and

scribed 11 H E S 379 + B T.

A yellow pine, 40 ins. dia., bears S. 62°

47' W., 167 lks. dist., blazed and

scribed 11 H E S 379 + B T.

| | |
|--------|--|
| Chains | <p>Thence S. 89° 44' W. along meridional 1/16 sec. line. Over level land. Fence on line.</p> <p>9.94 To cor. No. 12. Identical with 1/256 sec. cor. on the S. bdy. SE/4 NW/4 SW/4, sec. 24. Deposit a stone 8 x 5 x 4 ins., marked with a +, 14 ins. in the ground, over which set a limestone 24 x 6 x 6 ins., chiseled + for the point and 12 - H E S 379 on NE. face; and raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence: A yellow pine, 12 ins. dia., bears S. 29° 40' W., 133 lks. dist., blazed and scribed 12 H E S 379 + B T. A yellow pine, 8 ins. dia., bears S. 78° 10' E., 215 lks. dist., blazed and scribed 12 H E S 379 + B T.</p> |
| 0.29 | <p>To cor. No. 13. Thence N. 0° 09' W. Over level land. Fence on line. On ^{approximate} meridional line through SE/4 NW/3 SW/4, sec. 24. Deposit a stone 6 x 5 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 6 x 6 ins., chiseled + for the point and 13 - H E S 379 on SE. face. No witnesses available; therefore, dig pits 24 x 24 x 12 ins. crosswise on claim line 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. dist. SE. of cor.</p> |
| 7.75 | <p>To cor. No. 14. Thence N. 83° 10' E. Along S. bdy. railroad right-of-way/ (Tract E) Descend 5 ft. to cor.</p> |

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Deposit a stone 8 x 4 x 4 ins., marked with a +, 16 ins. in the ground, over which set a limestone 26 x 10 x 6 ins., chiseled + for the point and 14 - H E S 379 on S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high around cor. to protect it, whence:

A yellow pine, 26 ins. dia., bears S. 44° 24' E., 141 lks. dist., blazed and scribed 14 H E S 379 + BT.

A yellow pine, 22 ins. dia., bears S. 32° 26' W., 201 lks. dist., blazed and scribed 14 H E S 379 + B T.

Thence S. 78° 50' E.

(Tract E)

Along S. bdy. railroad right-of-way. Descend 5 ft. to cor.

5.64 Enter cultivated land, bears NE. and SW.

10.00 To cor. No. 15.

Deposit a stone 3 x 3 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 8 x 6 ins. chiseled + for the point and 15 - H E S 379 on S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high around cor. to protect it, whence:

A yellow pine, 24 ins. dia., bears S. 60° 30' E., 246 lks. dist., blazed and scribed 15 H E S 379 + B T.

No other witnesses available. Pits impracticable.

Thence S. 54° 50' E.

(Tract E)

Along S. bdy. railroad right-of-way, over cultivated land. Descend 5 ft. to cor.

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1.00

Leave cultivated land, bears NE. and SW.

3.70

Enter cultivated land, bears NE. and SW.

9.00

Cor. No. 6, the place of beginning.

November 3, 1915.

November 4, 1915.

TRACT C.

Beginning at cor. No. 16 on true meridional 1/4 sec. line thru sec. 24.

Deposit broken glass 14 ins. in the ground, over

which set a limestone 24 x 6 x 6 ins., chiseled +

for the point and 16 - H E S 379 on NW. face; and

raise a mound of stone 2 ft. base, 1-1/2 ft. high

around cor. to protect it.

No bearings available. Pits impracticable.

Cor. No. 6, TRACT B, heretofore described,

bears S. 0° 19' E., 56-1/2 lks. dist.

Thence N. 54° 50' W.

(Tract E)

Along N. bdy. railroad right-of-way/ Over cultivated land. Ascend 5 ft. to cor.

5.00

Leave cultivated land, bears NE. and SW.

6.50

Enter cultivated land, bears NE. and SW.

8.77

To cor. No. 17.

Deposit a stone 8 x 5 x 2 ins., marked with a +, 14

ins. in the ground, over which set a limestone 24 x

6 x 5 ins. chiseled + for the point and 17 - H E S 379

on N. face; and raise a mound of stone 2 ft. base,

1-1/2 ft. high, around cor. to protect it, whence:

(A yellow pine, 30 ins. dia., bears S. 56°

05' E., 271 lks. dist., blazed and

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Chains

scribed 17 H E S 379 + B.T.

No other witnesses available. Pits imprac-

ticable.

Thence N. 78° 50' W.

(tract E)

Along N. bdy. of railroad right-of-way, over culti-
vated land. Ascend 5 ft. to cor.

4.40 Leave cultivated land, bears N. and S.

10.17 To cor. No. 18.

Deposit a stone 6 x 5 x 2 ins., marked with a +, 14

ins. in the ground, over which set a limestone 24 x 8

x 6 ins. chiseled + for the point and 18 - H E S 379

on N. face; and raise a mound of stone 2 ft. base,

1-1/2 ft. high N. of cor., whence:

A yellow pine, 26 ins. dia., bears N. 35°

57' E., 391. lks. dist., blazed and

scribed 18 H E S 379 + B.T.

A yellow pine, 10 ins. dia., bears N. 12°

18' E., 344. lks. dist., blazed and

scribed 18 H E S 379 + B.T.

Thence S. 85° 10' W.

(Tract E)

Along N. bdy. railroad right-of-way, Ascend 5 ft.

to cor.

7.77 To cor. No. 19.
approximate

On meridional line through SE/4 NW/4 SW/4, sec. 24.

Deposit a stone 8 x 4 x 2 ins., marked with a +, 14

ins. in the ground, over which set a limestone 24 x 12

x 6 ins., chiseled + for the point and 19 - H E S 379

on NE face. No witnesses available; therefore dig

pits 24 x 24 x 12 ins. crosswise on claim lines 8 ft.

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Chains dist.; and raise a mound of earth 4 ft. base, 2 ft. high, 3-1/2 ft. dist. NE. of cor. Cor. No. 13, Tract B, heretofore described, bears S. 0° 09' E., 45-1/2 lks. dist.

Thence N. 0° 09' W.

Over level land. Fence on line.

4.26 To cor. No. 20. At cor. fence; fence bears S. and E.

Identical with 1/256 sec. cor. at center. SE/4 NW/4

SW/4, sec. 24. Deposit a stone 6 x 5 x 4 ins.,

marked with a +, 14 ins. in the ground, over which set

a limestone 24 x 15 x 4 ins., chiseled for the

point and 20 - H E S 379 on SE. face; and raise a

mound of stone 3 ft. base, 2 ft. high, SE. of cor.,

whence:

A yellow pine, 40 ins. dia., bears N. 24°

26' E., 107 lks. dist., blazed and

scribed 20 H E S 379 + B T.

A yellow pine, 38 ins. dia., bears N. 0°

05' W., 195 lks. dist., blazed and

scribed 20 H E S 379 + B T.

Thence N. 89° 44' E.

Over level land. Fence on line.

4.97 Cor. No. 21. At cor. fence; fence bears W. and N.

Identical with temp. 1/256 sec. cor. on W. bdy. SE/4

NW/4 SW/4, sec. 24. Deposit a limestone 5 x 5 x 2

ins. marked with a +, 16 ins. in the ground, over

which set a limestone 26 x 14 x 5 ins., chiseled +

for the point and 21 - H E S 379 on SE. face; and

raise a mound of stone 3 ft. base, 2 ft. high, SE.

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| | |
|--------|--|
| Chains | <p>of cor., whence:</p> <p>A yellow pine, 18 ins. dia., bears N. 86° 01' E., 75 lks. dist., blazed and scribed 21 H E S 379 + B T.</p> <p>A yellow pine, 18 ins. dia., bears S. 35° 40' W., 205 lks. dist., blazed and scribed 21 H E S 379 + B T.</p> <hr/> <p>Thence N. 0° 12' W. on 1/16 sec. line. Fence on line.</p> <p>2.15 Base of hill. Ascend 30 ft. to ridge.</p> <p>5.20 top ridge. Descend 30 ft. to flat.</p> <p>7.80 Base hill, enter flat.</p> <p>10.02 Cor. No. 22.</p> <p>Identical with 1/256 sec. cor. on W. bdy. NW/4 NE/4 SW/4, sec. 24. Deposit a stone 3 x 3 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 14 x 4 ins., chiseled + for the point and 22 - H E S 379 on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor., whence:</p> <p>A yellow pine, 8 ins. dia., bears N. 35° 14' E., 168 lks. dist., blazed and scribed 22 H E S 379 + B T.</p> <p>A yellow pine, 26 ins. dia., bears West, 161 lks. dist., blazed and scribed 22 H E S 379 + B T.</p> <hr/> <p>Thence N. 89° 44' E. Fence on line.</p> <p>2.68 Base hill. Ascend 20 ft. to ridge.</p> <p>7.00 Top ridge. Descend 10 ft. to cor.</p> |
|--------|--|

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Chains
9.92

Cor. No. 23.

Identical with 1/256 sec. cor. on E. bdy. NW/4 NE/4 SW/4, sec. 24. Deposit a stone 8 x 6 x 4 ins., marked with a +, 14 ins. in the ground, over which set a limestone 24 x 12 x 4 ins., chiseled + for the point and 23 - H E S 379 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor.,

whence:

A yellow pine, 34 ins. dia., bears S. 51°

41' E., 90 lks. dist., blazed and scribed 23 H E S 379 + B T.

A yellow pine, 12 ins. dia., bears N. 65°

22' E., 105 lks. dist., blazed and scribed 23 H E S 379 + B T.

Thence S. 0° 15' E.

Ascend 10 ft. to ridge. Fence on line.

1.40 Top ridge, bears NW. and SE. Descend 35 ft. to cor.

5.01 Cor. No. 24.

Identical with 1/64' sec. cor. at center of NE/4 SW/4 sec. 24. Deposit a broken glass 14 ins. in the ground, over which set a limestone 24 x 10 x 4 ins., chiseled + for the point and 24 - H E S 379 on SW. face; and raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor., whence:

A yellow pine, 12 ins. dia., bears N. 3°

25' E., 171 lks. dist., blazed and scribed 24 H E S 379 + B T.

A yellow pine, 6 ins. dia., bears N. 24°

25' W., 185 lks. dist., blazed and scribed 24 H E S 379 + B T.

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Chains Thence N. 89° 44' E.
Ascend 30 ft. to ridge.
4.96 Leave listed and enter unlisted land.
5.00 Top ridge, bears NW. and SE. Descend 30 ft. to cor.
9.91 Cor. No. 25.
Identical with 1/64 sec. cor. on E. bdy. NE/4 SW/4, sec. 24. Deposit a stone 8 x 6 x 6 ins., marked with a + 14 ins. in the ground, over which set a limestone 24 x 10 x 4 ins., chiseled + for the point and 25 - H E S 379 on SW. face. No witnesses available; therefore dig pits 24 x 24 x 12 ins. crosswise on claim lines 7 ft. dist.; and raise a mound of earth and rock 5 ft. base, 2-1/2 ft. high, 3-1/2 ft. dist. SW. of cor.

Thence S. 0° 19' E. on true meridional 1/4 sec. line thru Sec. 24.
Ascend 30 ft. to ridge. Fence on line.
4.20 Top ridge, bears NW. and SE. Descend 30 ft. to flat.
5.01 Leave unlisted and enter listed land.
6.90 Base hill, and fence bears NW. and SE. Enter cultivated land.
15.51 Cor. No. 16, the place of beginning.

AREA

| | | |
|--------------------|----------------|--------------------|
| Area Tract A | - - - - - | 3.60 acres |
| Area Tract B | - - - - - | 18.80 acres |
| Area Tract C | - - - - - | <u>27.91</u> acres |
| Total | - - - - - | 50.31 acres |
| Area listed land | - - - - - | 45.50 acres |
| Area unlisted land | - - - - - | <u>4.81</u> acres |
| Total | - - - - - | 50.31 acres |
| Tract D | - - - - - | .75 acres |
| Tract E | - - - - - | 1.21 acres |
| | Road Exemption | |

Chains

IMPROVEMENTS

The improvements made upon and for the benefit of this claim and belonging to the claimant herein, consist of the following:

A frame barn, 18 x 34 ft., the long side extending E. and W., the SE. cor. of which bears N. 8° 42' W., 1.27 chs. dist. from cor. No. 6.

Value ----- \$150.00

A frame house, 20 x 28 ft., the long side extending N. and S., the NE. cor. of which bears S. 66° 20' W., 8.48 chs. dist. from cor. No. 6.

Value ----- \$400.00

A well, 55 ft. deep, the center of which bears S. 44° 18' W., 7.44 chs. dist. from cor. No. 6.

Value ----- \$120.00

An earth dam, 6 ft. high by 240 ft. long, extending NW. and SE. This dam is crossed by lines 2 to 3 and 6 to 7 of this survey as heretofore described.

Value ----- \$400.00

Approximately 2 miles of fencing.

Value ----- \$200.00

DESCRIPTION

This tract is situated on a small draw at the head of Walnut Canyon, one mile SW. of Mary's Lake.

The general slope of the land is to the E., with low ridges to N. and S.

The tract is open and contains no timber except a few scattered yellow pine.

There is no water for irrigation or domestic use. A 22 in. annual rainfall makes water for irrigation

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unnecessary. Water for domestic use is hauled from a well one mile distant. A 55 ft. well has been dug on the claim in an unsuccessful attempt to develop domestic water.

The soil in the bottom land is fine silty loam, product of limestone disintegration and alluvial deposits. It is fertile and produces good crops. The soil on the slopes and ridges is shallow and covered with limestone outcrops and debris, and is non-agricultural in character.

I saw no indications of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts.

This claim is joined on the E. by patented homestead of J. H. Donovan, Serial H. E. No. 629, and on the South by List 3-3361, Serial No. 027099 of Carlos Salas.

H. E. S. 380 of J. Edward Priest, Sr., lies approximately $\frac{3}{4}$ mile SE. and H. E. S. 381 of J. Edward Priest, Jr., lies approximately one mile East.

Flagstaff, the nearest post office and railroad point, is nine miles to North, and is reached by a good wagon road.

TRAVERSES

TRACT A

| Cor. | Course | Dist. | N | S | E | W |
|------------------------|---------------|-------|-------|-------|------|------|
| 1-2 | S. 89° 46' W. | 4.24 | | 0.02 | | 4.24 |
| 2-3 | N. 34° 32' E. | 16.11 | 13.27 | | 9.13 | |
| 3-4 | S. 0° 19' E. | 8.20 | | 8.20 | 0.05 | |
| 4-5 | S. 89° 46' W. | 4.98 | | 0.02 | | 4.98 |
| 5-1 | S. 0° 17' E. | 5.02 | | 5.02 | 0.02 | |
| | | 38.55 | 13.27 | 13.26 | 9.20 | 9.22 |
| | | | 13.26 | | | 9.20 |
| Error in Lat. and Dep. | | | .01 | | | .02 |

Closing error, 1:1721.

Chains

TRACT B.

| Cor. | Course | Dist. | N | S | E | W | |
|-------|---------------|-------|-------|-------|-------|-------|-------|
| 6-7 | S. 34° 32' W. | 17.08 | | 14.07 | | 9.68 | |
| 7-8 | S. 89° 46' W. | 0.19 | | | | 0.19 | |
| 8-9 | N. 0° 15' W. | 5.01 | 5.01 | | | 0.02 | |
| 9-10 | S. 89° 46' W. | 4.98 | | 0.02 | | 4.98 | |
| 10-11 | N. 0° 07' W. | 15.06 | 15.06 | | | 0.03 | |
| 11-12 | S. 89° 44' W. | 9.94 | | 0.05 | | 9.94 | |
| 12-13 | N. 0° 09' W. | 0.29 | 0.29 | | | | |
| 13-14 | N. 83° 10' E. | 7.75 | 0.92 | | 7.69 | | |
| 14-15 | S. 78° 50' E. | 10.00 | | 1.94 | 9.81 | | |
| 15-6 | S. 54° 50' E. | 9.00 | | 5.18 | 7.36 | | |
| | | | 79.30 | 21.28 | 21.26 | 24.86 | 24.84 |

Error in Lat. and Dep.

21.26 24.84
.02 .02

Closing error 1:2802.

TRACT C.

| Cor. | Course | Dist. | N | S | E | W | |
|-------|---------------|-------|-------|-------|--------------|--------------|-------|
| 16-17 | N. 54° 50' W. | 8.77 | 5.05 | | | 7.17 | |
| 17-18 | N. 78° 50' W. | 10.17 | 1.97 | | | 9.98 | |
| 18-19 | S. 83° 10' W. | 7.77 | | 0.92 | | 7.71 | |
| 19-20 | N. 0° 09' W. | 4.26 | 4.26 | | | 0.01 | |
| 20-21 | N. 89° 44' E. | 4.97 | 0.02 | | 4.97 | | |
| 21-22 | N. 0° 12' W. | 10.02 | 10.02 | | | 0.03 | |
| 22-23 | N. 89° 44' E. | 9.92 | 0.05 | | 9.92 | | |
| 23-24 | S. 0° 15' E. | 5.01 | | 5.01 | 0.02 | | |
| 24-25 | N. 89° 44' E. | 9.91 | 0.05 | | 9.91 | | |
| 25-16 | S. 0° 19' E. | 15.51 | | 15.51 | 0.09 | | |
| | | | 86.31 | 21.42 | 21.44 | 24.91 | 24.90 |
| | | | | | <u>21.42</u> | <u>24.90</u> | |

Error in Lat. and Dep.

.02 .01

Closing error, 1:3853.

Survey completed November 4, 1915.

Note: Positions for corners 5, 9, 10, 20, 23 and 24 were obtained, as hereinbefore stated, by using mean courses and distances consistent with the ascertained boundaries of the 1/4 1/4 sections, thereby to sufficiently identify the listed and entered lands, which were described in terms of legal subdivisions. The positions were not found by complete technical subdivisions of the 1/4 1/4 sections, and are therefore not to be regarded as defining such technical subdivision. The foregoing descriptions of said corners, adopted for convenient statement of their relation to the listed lands, as "identical with", are to be understood accordingly.

R. C. Johnson

Surveyor - Draftsman

Chains

Computations.

At Cor. 1 of this survey. October 27, 1915.

Lat. 35° 05' 30" N., Long. 111° 36' 30" W. Elevation

6900 ft. Declination 12° 36' 06" S.

| Telescope | Time | Horizontal Angle | Vertical Angle | Pos Sun |
|-----------|----------------|------------------|----------------|---------|
| direct | 11h. 02m. 33s. | 13° 23' 00" | 41° 35' 00" | o+ |
| Reversed | 11h. 04m. 11s. | 13° 31' 00" | 41° 07' 30" | + |
| Mean | 11h. 03m. 22s. | 13° 27' 00" | 41° 21' 15" | |
| | 4h. 33m. 32s. | | 48" | ✓ |
| | 6h. 29m. 50s. | | 41° 20' 27" | ✓ |

$$\text{Cos. Q.} = \frac{-\sin. 12^\circ 36' 06''}{\cos. 35^\circ 05' 30'' \times \cos. 41^\circ 20' 27'' - \tan. 35^\circ 05' 30'' \times \tan. 41^\circ 20' 27''}$$

log. sin. 12° 36' 06" = 9.338798 ✓
 log. cos. 35° 05' 30" = -9.912878 ✓
 log. cos. 41° 20' 27" = -9.875521 ✓
 $\frac{9.550399}{9.846704} = \log. .35513$ ✓
 log. tan. 35° 05' 30" = 9.846704 ✓
 log. tan. 41° 20' 27" = 9.944377 ✓
 $\frac{9.791081}{9.944377} = \log. .61813$ ✓
 Cos. Q. = .97326 ✓
 Q. = 13° 16' 50" ✓

Bearing of reference object, N. 0° 10' 10" E.

| Telescope | Time | Horizontal Angle | Vertical Angle | Pos. Sun |
|-----------|----------------|------------------|----------------|----------|
| Direct | 2h. 51m. 50s. | 51° 49' 30" | 24° 34' 00" | q |
| Reversed | 2h. 52m. 47s. | 51° 26' 00" | 24° 57' 30" | to |
| | 2h. 52m. 18s. | 51° 37' 45" | 24° 45' 45" | |
| | 7h. 26m. 26s. | | 01' 38" | ✓ |
| | 10h. 18m. 44s. | | 24° 44' 07" | ✓ |

Decl. 12° 39' 22" S.

$$\text{Cos. Q.} = \frac{\sin. 12^\circ 39' 22''}{\cos. 35^\circ 05' 30'' \times \cos. 24^\circ 44' 07'' - \tan. 35^\circ 05' 30'' \times \tan. 24^\circ 44' 07''}$$

log. sin. 12° 39' 22" = 9.340640 ✓
 log. cos. 35° 05' 30" = 9.912878 ✓
 log. cos. 24° 44' 07" = 9.958206 ✓
 $\frac{9.469556}{9.846704} = \log. .29482$ ✓
 log. tan. 35° 05' 30" = 9.846704 ✓
 log. tan. 24° 44' 07" = 9.663413 ✓
 $\frac{9.510117}{9.663413} = \log. .32368$ ✓
 Cos. Q. = .61850 ✓
 Q. = 51° 47' 37" ✓

Bearing of reference object, N. 0° 09' 52" E. ✓

Chains

Computations. At Cor. 1 of this survey. Lat. $35^{\circ} 05' 30''$ N., Long. $111^{\circ} 35' 30''$ W., Elevation 2300 ft. Declination $12^{\circ} 26' 00''$ S.

| Telescope | Time | Horizontal Angle | Vertical Angle | Bar |
|-----------|------|------------------|----------------|-----|
|-----------|------|------------------|----------------|-----|

| | | | | |
|----------|---------------|-----------------------|-----------------------|---|
| direct | 111.00m. 32s. | $12^{\circ} 26' 00''$ | $41^{\circ} 38' 00''$ | + |
| reversed | 111.00m. 13s. | $12^{\circ} 26' 00''$ | $41^{\circ} 38' 00''$ | + |
| Mean | 111.00m. 32s. | $12^{\circ} 26' 00''$ | $41^{\circ} 38' 00''$ | + |

Cor. 2. = ...

log. sin. $12^{\circ} 26' 00'' = 0.213878$

log. cos. $41^{\circ} 38' 00'' = 0.918378$

log. cos. $41^{\circ} 38' 00'' = 0.918378$

log. tan. $35^{\circ} 05' 30'' = 0.848378$

log. tan. $41^{\circ} 38' 00'' = 0.948378$

log. = 1.618378

Cor. 2. = 97328

Angle = $12^{\circ} 26' 00''$

Bearing of reference object, N. $0^{\circ} 10' 10''$ E.

| Telescope | Time | Horizontal Angle | Vertical Angle | Bar |
|-----------|------|------------------|----------------|-----|
|-----------|------|------------------|----------------|-----|

| | | | | |
|----------|--------------|-----------------------|-----------------------|---|
| direct | 31.21m. 80s. | $51^{\circ} 49' 30''$ | $84^{\circ} 24' 00''$ | + |
| reversed | 31.22m. 47s. | $51^{\circ} 36' 00''$ | $84^{\circ} 27' 30''$ | + |
| Mean | 31.23m. 18s. | $51^{\circ} 37' 45''$ | $84^{\circ} 25' 15''$ | + |
| Bar | 31.23m. 28s. | | $01' 30''$ | |

Cor. 3. = ...

log. sin. $12^{\circ} 26' 00'' = 0.213878$

log. cos. $41^{\circ} 38' 00'' = 0.918378$

log. cos. $41^{\circ} 38' 00'' = 0.918378$

log. tan. $35^{\circ} 05' 30'' = 0.848378$

log. tan. $41^{\circ} 38' 00'' = 0.948378$

log. = 1.618378

Cor. 3. = 61832

Angle = $51^{\circ} 49' 30''$

Bearing of reference object, N. $0^{\circ} 09' 50''$ E.

DIRECTIONS.—1. Carry out calculation 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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 372, STATE OF ARIZONA.

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|-----------------------|---------------|-----------|------------|--------|-------------|-------|--------------|-----------|---------------|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | |
| TRACT C. 16-17 | N. 54° 50' W. | 8.77 | 5 05 | | | 7 17 | 42 57 | 214 98 | |
| 17-18 | N. 78° 50' W. | 10.17 | 1 97 | | | 9 98 | 25 42 | 50 33 | |
| 18-19 | S. 83° 10' W. | 7.77 | | 0 92 | | 7 71 | 7 73 | | 7 11 |
| 19-20 | N. 0° 09' W. | 4.26 | 4 26 | | | 0 01 | 0 01 | 0 04 | |
| 20-21 | N. 89° 44' E. | 4.97 | 0 02 | | 4 97 | | 4 97 | 0 10 | |
| 21-22 | N. 0° 12' W. | 10.02 | 10 02 | | | 0 03 | 9 91 | 99 30 | |
| 22-23 | N. 89° 44' E. | 9.92 | 0 05 | | 9 92 | | 19 80 | 0 99 | |
| 23-24 | S. 0° 15' E. | 5.01 | | 5 01 | 0 02 | | 29 74 | | 149 00 |
| 24-25 | N. 89° 44' E. | 9.91 | 0 05 | | 9 91 | | 39 67 | 1 98 | |
| 25-16 | S. 0° 19' E. | 15.51 | | 15 51 | 0 09 | | 49 66 | | 769 73 |
| | | 86.31 | 21 42 | 21 44 | 24 91 | 24 90 | | 367 72 | 925 84 |
| | | | 21 43 | 21 43 | 24 90 | 24 90 | | | 367 72 |
| | | | | | | | | | 558 12 |
| | | | | | | | | | 27 906 acres. |
| Closing error, 1:3853 | | | | | | | | | |

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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 379, STATE OF Arizona.

| CORNERS. | BEARING. | DISTANCE. | LATITUDES. | | DEPARTURES. | | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|--------------|-----------------------|-----------|-------------|--------|-------------|-------|--------------|--------------|-----------|
| | | | NORTH. | SOUTH. | EAST. | WEST. | | | |
| TRACT A. 1-2 | S. 89° 46' W. | 4.24 | 6 13 27 | 0 02 | 14 9 13 | 4 24 | 4 24 | 0 08 | |
| 2-3 | N. 54° 32' E. | 16.11 | | 8 20 | 0 05 | 9 14 | 121 20 | 150 39 | |
| 3-4 | S. 0° 19' E. | 8.20 | | 0 02 | | 18 34 | | 0 27 | |
| 4-5 | S. 89° 46' W. | 4.98 | | 5 02 | 0 02 | 13 42 | | 42 47 | |
| 5-1 | S. 0° 17' E. | 5.02 | | 13 27 | 9 20 | 8 46 | 121 20 | 193 21 | |
| | Closing error, 1:1721 | 38.55 | 13 26 | 13 26 | 9 22 | | 121 20 | 121 20 | |
| | | | 13 26 | 9 22 | 9 22 | | | 72 01 | |
| TRACT B. 6-7 | S. 34° 32' W. | 17.08 | | 14 07 | 69 9 68 | 40 03 | | 3 60 Acres. | |
| 7-8 | S. 89° 46' W. | 0.19 | | | | 30 15 | | 563 62 | |
| 8-9 | N. 0° 15' W. | 5.01 | | 5 01 | 0 19 | 29 94 | 150 00 | 0 00 | |
| 9-10 | S. 89° 46' W. | 4.98 | | 0 02 | 0 02 | 24 94 | | 0 50 | |
| 10-11 | N. 0° 07' W. | 15.06 | 05 15 06 | 0 02 | 0 03 | 19 92 | 299 80 | | |
| 11-12 | S. 89° 44' W. | 9.94 | | 0 05 | 9 94 | 9 94 | | 0 50 | |
| 12-13 | N. 0° 09' W. | 0.29 | | 0 29 | 0 00 | 0 00 | 0 00 | | |
| 13-14 | N. 83° 10' E. | 7.75 | | 0 92 | 7 69 | 7 69 | 7 07 | | |
| 14-15 | S. 78° 50' E. | 10.00 | | 1 94 | 9 81 | 25 19 | | 48 87 | |
| 15-6 | S. 54° 50' E. | 9.00 | | 5 18 | 7 36 | 42 36 | | 219 42 | |
| | | 79.30 | 21 28 | 21 26 | 24 86 | | 456 87 | 832 91 | |
| | | | 21 27 | 21 27 | 24 86 | | | 456 87 | |
| | Closing error, 1:2802 | | | | | | | 376 04 | |
| | | | | | | | | 18 80 Acres. | |

277

01

EMH

APPROVAL

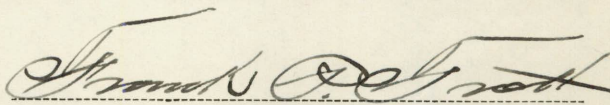
Office of the United States Surveyor General,

Phoenix, Arizona, June 14, 1918.

The foregoing field notes of Homestead Entry Survey No.

379

executed by R. P. A. Johnson, Surveyor. Draftsman
[Forest Service Title.]
under his special instructions, dated July 9, 1915, 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.