

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

171  
MAY 29 1916

JUL 20

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 180

SITUATED IN THE

SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

~~Section 27~~, ~~unsurveyed~~, ~~Township 12 N.~~, ~~Range 17 E.~~

Section 28, unsurveyed, Township 12 N., Range 17 E.

Section 33, unsurveyed, Township 12 N., Range 17 E.

~~Section 34~~, ~~unsurveyed~~, ~~Township 12 N.~~, ~~Range 17 E.~~

of the

Gila and Salt River Base and Meridian.

ARIZONA.

Survey executed by Walter G. Turley, Surveyor-Forest Service.

Under special instructions dated June 10, 1914.

Survey commenced August 3, 1914.

Survey completed August 4, 1914.

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

Applicant for listing Wesley Palmer.

Residence Heber, Arizona.

Application No. 154 dated August 13, 1909.

Application No. 413, dated November 12, 1912.

List No. 3-920 dated December 13, 1910.

List No. 3-2470, dated April 10, 1913.

Applicant for survey Wesley Palmer.

Residence Heber, Arizona.

H. E. No. 014793, dated June 29, 1911.

Land district Phoenix, Arizona.

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OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,  
Surveyor-Forest Service, in surveying all those  
parts or portions of Homestead Entry Survey No. 180, in  
~~un-surveyed Section 27~~, ~~Township 12 N~~, ~~Range 17 E~~,  
un surveyed Section 28, Township 12 N, Range 17 E,  
unsurveyed Section 33, Township 12 N, Range 17 E,  
~~unsurveyed Section 34~~, ~~Township 12 N~~, ~~Range 17 E~~  
of the G. & S. R. B. & meridian, State of Arizona, which  
are represented in the following field notes as having been  
surveyed by him and under his direction; and that said sur-  
vey 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 fur-  
nished 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.

Charles D. Hodson Chainman.  
Charles H. Baecht Chainman.

Subscribed and sworn to before me this 12<sup>th</sup> day of  
November, 1914.

Walter G. Turley  
Surveyor-Forest Service.

OATH OF SURVEYOR

I, Walter G. Turley, Surveyor-Forest Service,  
do solemnly swear  
that, in strict conformity with the special instructions of  
the United States Surveyor General for Arizona, dated  
June 10, 1914, and the laws of the United States, I have  
well, faithfully, and truly, in my own proper person, sur-  
veyed a tract of land ~~upon the application of~~ embraced in  
Lists No. 3-2470 & No. 3-920, dated April 10, 1913 & Dec. 13, 1910,  
for Patent, under the Act of June 11, 1906,  
the same to be known as Homestead Entry Survey No. 180,  
situated within the Sitgreaves National Forest, in  
~~un-surveyed Section 27~~, ~~Township 12 N~~, ~~Range 17 E~~, and  
un surveyed Section 28, Township 12 N, Range 17 E, and  
unsurveyed Section 33, Township 12 N, Range 17 E, and  
~~unsurveyed Section 34~~, ~~Township 12 N~~, ~~Range 17 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 perpet-  
uated in strict accordance with the stated special instruc-  
tions, and in the specific manner described in the field  
notes, and that the following are the original field notes  
of such survey.

Walter G. Turley  
Surveyor-Forest Service.

Subscribed and sworn to before me this 14 day of  
November, 1914.

My Commission expires 4-6-1918 R B Callie  
Notary Public



## SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Wesley Palmer; Applications Nos. 154 and 413, dated August 13, 1909 and November 12,

1912; Lists Nos. 3-920 and 3-2470, dated December 13,

1910 and April 10, 1913; H. E. No. 014793 for List

3-920, made in the Phoenix Land Office on June 29,

1911, by Wesley Palmer, whose post office address is

Heber, Arizona.

Surveyed under Acts of June 11, 1906 and June 30, 1914;

and special instructions from the Surveyor General for

Arizona, dated June 10, 1914 and designated as Home-

stead Entry Survey No. 180.

Situated in what will probably be, when surveyed, secs.

28 and 33, T. 12 N., R. 17 E., Gila and Salt River Base

and Meridian within the Sitgreaves National Forest,

Arizona.

Survey commenced August 3, 1914, and executed with a W.

and L. E. Gurley light mountain transit No. 12953, pro-

vided with prism eye piece, stadia wires, vertical cir-

cle, and Burt solar attachment. The horizontal limb

of the transit has two double verniers placed opposite

to each other and graduated to single minutes of arc,

which is also the graduation upon the verniers of the

latitude and declination arcs.

I test the adjustments of the transit and solar attach-

ment and make necessary corrections. The stadia wire

interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from

measurements made directly on the slope with a standard

500 link steel tape graduated to links and tenths;

and the slope angles determined with a clinometer, the

vernier of which reads to degrees; and a Philadelphia

stadia rod, graduated to feet and hundredths, provided

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with two targets, the verniers of which read to thousandths of a foot.

August 3, 1914.

I set up my transit over cor. H-11 of List 3-920, which is a pine post 4 ins. in dia. and 24 ins. above ground, marked and witnessed as described by the Forest Service and, with telescope direct I observe Polaris in accordance with instructions at 8h. 00m. p.m., l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

|  |             |
|--|-------------|
| Astron. l.m.t. obsn., August 2, 1914,      | 32h. 00.0m. |
| Astron. l.m.t. U.C. Pol., Aug. 2, 1914,    | 16h. 44.1m. |
| Hour angle Pol. at obsn.,                  | 15h. 15.9m. |
|  | 23h. 56.1m. |
| Time argument,                             | 8h. 40.2m.  |
| Azimuth Pol. at obsn., 1° 03' 18" E.       |             |
| Lat. 34° 23' 32" N., Long. 110° 33' 52" W. |             |

With my transit set up over cor. H-11 of List 3-920, heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 12m. p.m., l.m.t., on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

|   |             |
|---|-------------|
| Astron. l.m.t. obsn., August 2, 1914,   | 32h. 12.0m. |
| Astron. l.m.t. U.C. Pol., Aug. 2, 1914, | 16h. 44.1m. |
| Hour angle Pol. at obsn.,               | 15h. 27.9m. |
|   | 23h. 56.1m. |
| Time argument,                          | 8h. 28.2m.  |
| Azimuth of Pol. at obsn., 1° 06' 00" E. |             |

August 4, 1914.

I turn off 1° 03', the Azimuth of Polaris, to the W. from her direction at 8h. 00m. p.m., l.m.t., August 3, 1914; and mark the line thus determined with a

Chains tack in a stake set firmly in the ground 5.00 chs. N. of my station.

I also turn off  $1^{\circ} 06'$ , the azimuth of Polaris, to the W. from her direction at 8h. 12m., p.m., on the same date and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. This line falls  $0^{\circ} 00' 54''$  of measured arc to the W. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and, from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

Note: On account of showers and cloudy weather it was neither practicable to check nor to use the solar attachment in the execution of this survey.

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$34^{\circ} 24' 13''$  N. lat. and  $110^{\circ} 29' 45''$  W. long. at cor. of secs. 25, 30, 31 and 36, T. 12 N., Rs. 17 and 18 E. taken from the special instructions of the Surveyor General, which gives  $34^{\circ} 23' 52''$  N. lat. and  $110^{\circ} 33' 22''$  W. long. at cor. No. 1 of this survey. The sun was obscured at apparent noon on August 3 and August 4, 1914, therefore a latitude observation was not possible.

On August 3, 1914, I compare my watch by telephone with the standard  $105^{\circ}$  meridian telegraphic clock and find it correct. I subtract 22m. 13s. therefrom for l.m.t. I observe the magnetic declination at cor. No. 1 of the survey to be  $14^{\circ} 47'$  E. at 8h. 10m., a.m., l.m.t., August 4, 1914, which gives a mean magnetic declination of  $14^{\circ} 43'$  E.

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HOMESTEAD ENTRY SURVEY NO. 180

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains There is no corner of the public land survey or United States Location Monument within two miles of this claim, therefore I establish U. S. L. M. No. 180 H. E. S. in accordance with instructions, upon a prominent limestone point near what will probably be when surveyed the Northeast corner of sec. 33, T. 12 N., R. 17 E., G. & S. R. B. & M. approximately 17.00 chs. N. of the main E. and W. wagon road. I chisel (+) at the point and USLM No. 180 HES on the NW. face of an imbedded limestone 8 x 7 x 4 ft. above ground; and raise a mound of stone 6 ft. base, 4 ft. high, S. of cor. from which:

A 7 in. pine, scribed U S L M No 180 H E S + B T, bears N. 14° 00' E. 25 lks.

A 7 in. pine, scribed U S L M No 180 H E S + B T, bears N. 81° 25' E. 17 lks.

An 18 in. pine, scribed U S L M No 180 H E S + B T, bears N. 84° 50' W. 43 lks.

An 18 in. pine, scribed U S L M No 180 H E S + B T, bears N. 60° 15' W. 71 lks.

S. 80° 55' W. 29.98 chs. to cor. No. 1-HES180. } By  
 N. 65° 23' W. 44.45 chs. to cor. No. 1-HES181. } direct  
 S. 34° 00' E. 34.52 chs. to cor. No. 1-HES246. } measurement  
 Lat. 34° 23' 52" N., and long. 110° 33' 19" W., scaled from the Atlas sheet.

Note: This section of country is a high mesa covered with timber, therefore no prominent natural objects are visible from any point in this vicinity.

Thence S. 80° 55' W.

By direct measurement for a tie.

## SIRGREAVES NATIONAL FOREST

STATE OF ARIZONA.

- Chains  
2.98. To cor. No. 1. Identical with cor. H-7 of List 3-920 which is a limestone 9 x 4 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-7 and its witnesses; and for cor. No. 1 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 18 ins. in the ground; over which I set a limestone 28 x 9 x 8 ins., 18 ins. in the ground, chiseled (+) at the point and 1-HES<sup>180</sup> on the W. face and raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor. from which:
- A 22 in. pine, scribed 1 H E S 180 + B T, bears N. 25° 00' E. 130 lks.
- A 22 in. pine, scribed 1 H E S 180 + B T, bears S. 67° 42' E. 31 lks.
- U. S. L. M. No. 180 H. E. S. bears N. 80° 55' E.
- 2.98 chs.
- Note: This cor. is under fence which bears S. and NNE.
- 
- Thence S. 5° 57' E. Over bottom in open.
- 8.02 Enter small reservoir which bears W. 1.50 chs. and Southward along line.
- 10.01 Reservoir embankment 3 ft. high which bears W. 1.50 chs. from this point and thence North 2.00 chs.
- 17.16 To cor. No. 2.
- Identical with cor. H-8 of List 3-920 which is a limestone 6 x 4 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-8, and its witnesses; and for cor. No. 2 of this survey, I chisel (+) on a stone 3 x 3 x 2 ins. and deposit it 16 ins. in the ground, over which I set a limestone 26 x 10 x 6 ins., 16 ins. in the ground,

Chains

chiseled (+) at the point and 2-HES180 on the NW. face and dig pits crosswise on this and the succeeding course 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, NW. of cor. from which:  
 A 20 in. pine, scribed 2 H E S 180 + B T, bears S. 1° 45' W. 57 lks.  
 A 22 in. pine, scribed 2 H E S 180 + B T, bears S. 12° 00' E. 61 lks.  
 Note: This cor. is at cor. of fence from which fence bears N. 8° W. and SW. along line.

Thence S. 54° 53' W.

Along wire fence. Over bottom in open.

11.99 To cor. No. 3.

Identical with cor. H-9 of List 3-920 which is a pine post 4 ins. diam., and 24 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-9 and its witnesses; and for cor. No. 3 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 18 ins. in the ground, over which I set a sandstone 28 x 16 x 8 ins., 18 ins. in the ground, chiseled (+) at the point and 3-HES180 on the NW. face, and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 3-1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, NW. of cor. from which:

A 24 in. pine, scribed 3 H E S 180 + B T, bears S. 53° 08' E. 58 lks.

A 22 in. pine, scribed 3 H E S 180 + B T, bears S. 15° 00' E. 84 lks.

Thence S. 29° 53' W.

Along wire fence, over bottom in open.



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7.32 To cor. No. 4.

Identical with cor. H-10 of List 3-920 which is a pine post 4 in. diam. and 24 in. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-10 and its witnesses; and for cor. No. 4 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 16 ins. in the ground over which I set a sandstone 26 x 14 x 8 ins., 16 ins. in the ground, chiseled 4-HES180 on the NW. face and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. NW. of cor. from which:

A 32 in. pine, scribed 4 H E S 180 + B T, bears N. 4° 28' W., 188 lks.

A 12 in. pine, scribed 4 H E S 180 + B T, bears S. 62° 10' W. 201 lks.

Thence N. 89° 34' W.

Along wire fence, over bottom in scattering pine timber.

13.71 Right bank of arroyo, 30 lks. wide, banks 3 ft. high, course N.

17.75 East edge of small reservoir 2.00 chs. wide, extending N. 50 lks. and S. 150 lks.

Continue in open.

26.01 To cor. No. 5.

Identical with cor. H-11 of List 3-920, heretofore described. I destroy cor. H-11 and its witnesses; and for cor. No. 5 of this survey, I chisel (+) on a stone 4 x 4 x 2 ins. and deposit it 16 ins. in the ground, over which I set a sandstone 26 x 15 x 8 ins. 26 ins. in the ground and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, NE. of cor.

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from which:

A 10 in. pine, scribed 5 H E S 180 + B T, bears  
S. 36° 14' W. 408 lks.

A 7 in. juniper, scribed 5 H E S 180 + B T,  
bears S. 60° 06' E. 272 lks.

Thence N. 0° 16' E.

Along wire fence.

Descend gradually over bottom in open 5 ft.

4.95 To cor. H-4 of List 3-906 which is a pine post 4 ins.

dia., and 2 ft. above ground, marked and witnessed as  
described by the Forest Service. In executing

H. E. S. No. 181, which is based upon List 3-906, I  
destroy the above described corner and in its place  
I establish cor. No. 2 of H. E. S. No. 181. I

chisel (+) on a stone 4 x 3 x 2 ins. and deposit it  
15 ins. in the ground, over which I set a sandstone

25 x 14 x 5 ins., 15 ins. in the ground, chiseled

(+) at the point and 2-HES181 on the NW. face and dig

pits 24 x 24 x 12 ins. crosswise on line N. and W. of

cor. and raise a mound of earth 4 ft. base, 2 ft.

high, NW. of cor. from which:

An 8 in. pine, scribed 2 H E S 181 + B T, bears  
N. 11° 37' W. 264 lks.

A 24 in. pine, scribed 2 H E S 181 + B T, bears  
S. 61° 22' E. 451 lks.

Continue along line H-4 to H-1 of List 3-906, which  
will be line 2-1 of H. E. S. No. 181.

19.99 Wire fence cor. from which the fence bears N. S. and W.

Cease descending and ascend gentle S. slope 10 ft.

49.10 To cor. No. 6.

Identical with cor. H-1 of List 3-920 also cor. H-1  
of List 3-906, which is a limestone 10 x 5 x 6 ins.

above ground, marked and witnessed as described by the

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

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Forest Service. I destroy cor. H-1 and its witnesses which refer to List 3-920, and for cor. No. 6 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 14 ins. in the ground, over which I set a sandstone 24 x 18 x 6 ins., 14 ins. in the ground, chiseled (+) at the point and 6-HES180 on the SSE. face and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 8 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. SSE. of cor.

from which:  
 A 30 in. pine, scribed 6 H E S 180 and  
 1 H E S 181 + B T, bears S. 75° 26' E. 195 lks.  
 A 30 in. pine, scribed 6 H E S 180 and  
 1 H E S 181 + B T, bears N. 65° 57' W. 98 lks.

Note: Since this corner will be cor. No. 1 of H. E. S. 181, I scribe the trees and chisel the stone 1-HES181 on the SW. face and dig a pit 24 x 24 x 12 ins., 7 ft. W. of cor. and add the earth to the mound which stands SSE. of the cor.

Thence S. 37° 21' E. Descend gentle S. slope 10 ft. in scattering young pine trees. From cor. No. 6, the fence bears E. W. and S.

22.17 To cor. No. 7. Identical with cor. H-2 of List 3-920 which is a limestone 8 x 4 x 6 ins. above ground and stone mound, marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and for cor. No. 7 of this survey, I chisel (+) on the limestone bedrock, over which I set a limestone 26 x 10 x 5 ins., 16 ins. in the ground and a mound of stone

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chiseled (+) at the point and 7-HES180 on the SW. face;

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

SSW. of cor. from which: (+)

A 6 in. pine, scribed 7 H E S 180 + B T, bears

N. 84° 47' E., 111 lks. x 48

A 5 in. pine, scribed 7 H E S 180 + B T, bears

N. 33° 50' W. 135 lks.

Thence S. 80° 25' E.

Along line H-2 to H-3 of List 3-920 and at the foot of gentle S. slope in scattering small pine timber.

5.91 Wire fence cor. from which the fence bears S. and E. along line.

13.07 To cor. No. 8.

Identical with cor. H-3 of List 3-920 which is a limestone 8 x 4 x 5 ins. above ground, marked and wit-

nessed as described by the Forest Service. I destroy

cor. H-3 and its witnesses; and for cor. No. 8 of this

survey, I chisel (+) on a stone 4 x 3 x 2 ins. and

deposit it 16 ins. in the ground, over which, I set a

limestone 26 x 12 x 5 ins., 16 ins. in the ground,

chiseled (+) at the point and 8-HES180 on the S. face;

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

S. of cor. from which:

A 14 in. pine, scribed 8 H E S 180 + B T, bears

N. 37° 30' E. 170 lks.

A 12 in. pine, scribed 8 H E S 180 + B T, bears

N. 6° 40' W. 157 lks.

Thence N. 55° 02' E.

Along wire fence over bottom in open.

6.04 To cor. No. 9.

HOMESTEAD ENTRY SURVEY NO. 180

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains Identical with cor. H-4 of List 3-920, which is a limestone 6 x 5 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-4 and its witnesses and for cor. No. 9 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins. and deposit it 18 ins. in the ground over which I set a limestone 28 x 12 x 8 ins., 18 ins. in the ground, chiseled (+) at the point and 9-HES180 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor. from which:

A 28 in. pine, scribed 9 H E S 180 + B T, bears N. 7° 00' E., 7 lks.

A 24 in. pine scribed 9 H E S 180 + B T, bears East 5 lks.

Thence N. 25° 28' E.

Over bottom along edge of pine timber.

14.11 Cor. H-5 of List 3-920 which is a limestone 7 x 7 x 5 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 40° 00' W. 5 lks. dist. I destroy cor. H-5 and its witnesses. At this point, I leave List 3-920 and pass within List 3-2470.

14.13 Wire fence bears NW. and SE. Leave bottom and ascend 25 ft. along E. slope in scattering pine timber.

24.30 Ridge bears E. and W. Descend N. slope 30 ft. in pine timber.

27.50 Foot of slope bears E. and W. Continue over meadow in open.

32.74 To cor. No. 10. At which point, I chisel (+) on a stone 3 x 3 x 2 ins.

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SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains and deposit it 16 ins. in the ground, over which I set a limestone 26 x 12 x 6 ins., 16 ins. in the ground, chiseled (+) at the point and 10-HES180 on the S. face; and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 8 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, S. of cor. from which:

A 14 in. pine, scribed 10 H E S 180 + B T, bears

N. 28° 22' W. 153 lks.

A 7 in. pine, scribed 10 H E S 180 + B T, bears

N. 25° 35' E. 43 lks.

Note: This cor. is on line H-2 to H-3 of List 3-2470.

I destroy cor. H-2 of List 3-2470 and its witnesses, which is a limestone 6 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service and bears N. 44° 52' W. 305 lks. dist. from cor. No. 10 of this survey.

Thence S. 44° 52' E.

Over bottom in open. The arroyo has no defined channel in this meadow

4.90 Leave bottom bears NNW. and SSE. and ascend SW. slope 5 ft.

18.60 Wire fence bears NNW. and SSW.

18.84 To cor. No. 11.

Identical with cor. H-3 of List 3-2470 which is a limestone 5 x 3 x 3 ins. above ground and a mound of stone marked and witnessed as described by the Forest Service. I destroy cor. H-3 and its witnesses; and for cor. No. 11 of this survey, I chisel (+) on a limestone ledge, over which I set a limestone 26 x 12 x 5 ins., 16 ins. in the ground and a mound of stone, chiseled (+) at

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| Chains | <p>the point and 11-HES180 on the W. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, W. of cor., from which:</p> <p>An 18 in. pine, scribed 11 H E S 180 + B T, bears N. 12° 05' W., 59 lks.</p> <p>A 22 in. pine, scribed 11 H E S 180 + B T, bears N. 77° 30' E., 61 lks.</p>   |
|        | <p>Thence S. 48° 22' W.</p> <p>Descend SW. slope in scattering pine timber 5 ft.</p> <p>0.65 Wire fence, bears NNE. and SSW.</p> <p>2.95 Foot of slope, bears NW. and SE. Continue over bottom in open.</p> <p>13.90 Leave bottom, bears E. and W. and ascend N. slope of spur 10 ft.</p> <p>15.60 Spur bears NW. and SE. Descend SW. slope of spur 10 ft.</p> <p>17.30 Leave slope, bears NW. and SE. and continue over bottom.</p> <p>18.50 Cor. H-4 of List 3-2470 which is a limestone 8 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service, bears S. 40° 00' E., 35 lks. dist.</p> <p>Cor. H-6 of List 3-920 which is a limestone 7 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service, bears N. 40° 00' W., 4.58 chs. dist. I destroy cors. H-4 and H-6 and their witnesses</p> <p>19.00 Leave bottom, bears NW. and SE. and ascend N. slope 15 ft.</p> <p>26.50 Cease ascending, and descend W. slope 5 ft.</p> <p>28.43 To cor. No. 1, the place of beginning.</p> |

AREA

Total area - - - - - 159.98 acres.

IMPROVEMENTS.

The improvements made upon this homestead consist of

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

|        |  |
|--------|--|
| Chains | <p>the following:</p> <p>A frame dwelling 18 x 18 ft., the long side extending N. and S. and the SW. cor. of which bears N. 86° 20' E., 14.60 chs. dist. from cor. No. 5 of this survey.</p> <p style="text-align: right;">Estimated value ----- \$500.00</p> <p>A frame shed 22 x 10 ft., the long side extending N. and S. and the SW. cor. of which bears N. 84° 46' E., 10.80 chs. dist. from cor. No. 5 of this survey.</p> <p style="text-align: right;">Estimated value ----- \$ 50.00</p> <p>A log stable 30 x 24 ft., the long side extending N. and S. and the SW. cor. of which bears N. 88° 20' E., 10.00 chs. dist. from cor. No. 5 of this survey.</p> <p style="text-align: right;">Estimated value ----- \$150.00</p> <p>Small reservoir of 1/4 acre ft. capacity described on line 1-2.</p> <p style="text-align: right;">Estimated value ----- \$ 50.00</p> <p>Small reservoir of 1/4 acre ft. capacity described on line 4-5.</p> <p style="text-align: right;">Estimated value ----- \$ 50.00</p> <p>3 miles of wire fencing.</p> <p style="text-align: right;">Estimated value ----- \$300.00</p> <p>Approximately 50 acres of cultivated land.</p> |
|--------|--|

DESCRIPTION

This claim is situated on the N. slope of the Mogollen Mesa at an elevation of approximately 6,500 ft. and occupies a tract of bottom land sloping gently to the Northeast.

This section is timbered and a few trees are included in this survey. Sufficient water for domestic purposes and for stock is impounded in small reservoirs or hauled from Pierce Seep which is a perennial spring about one mile East of this homestead.



Chains

The soil is a clay loam and produces any of the ordinary crops of the temperate zone without irrigation; but is best adapted to the small grains, beans and sorghums, good crops of which have been produced. Limestone outcrops around the edges of this claim, but very little is included in this survey.

This section is not reported to be mineralized; and no townsites, mining, coal, or oil claims are known to have been located in this vicinity.

List No. 3-906 which will be H. E. S. No. 181 lies immediately W. of this survey and line 1-2 thereof lies along line 5-6 hereof, cors. 1 and 6 being common.

Heber Postoffice is 5 miles by wagon road in a Northwesterly direction. Holbrook railway station is 50 miles by wagon road in a Northeasterly direction.

August 4, 1914.

TRAVERSE.

| Cor.                   | Course.       | Dist. | N.     | S.    | E.           | W.           |             |
|------------------------|---------------|-------|--------|-------|--------------|--------------|-------------|
| 1-2                    | S. 5° 57' E.  | 17.16 |        | 17.07 | 1.78         |              |             |
| 2-3                    | S. 54° 53' W. | 11.99 |        | 6.90  |              | 9.81         |             |
| 3-4                    | S. 29° 53' W. | 7.32  |        | 6.35  |              | 3.65         |             |
| 4-5                    | N. 89° 34' W. | 26.01 | 0.20   |       |              | 26.01        |             |
| 5-6                    | N. 0° 16' E.  | 49.10 | 49.10  |       | 0.23         |              |             |
| 6-7                    | S. 37° 21' E. | 22.17 |        | 17.62 | 13.45        |              |             |
| 7-8                    | S. 80° 25' E. | 13.07 |        | 2.18  | 12.89        |              |             |
| 8-9                    | N. 55° 02' E. | 6.04  | 5.46   |       | 4.95         |              |             |
| 9-10                   | N. 25° 28' E. | 32.74 | 29.56  |       | 14.08        |              |             |
| 10-11                  | S. 44° 52' E. | 18.84 |        | 13.35 | 13.29        |              |             |
| 11-1                   | S. 48° 22' W. | 28.43 |        | 18.89 |              | 21.25        |             |
|                        |               |       | 232.87 | 82.32 | 82.36        | 60.67        | 60.72       |
| Error in lat. and dep. |               |       |        |       | <u>82.32</u> | <u>60.67</u> | <u>0.05</u> |
|                        |               |       |        |       | 0.04         |              |             |

Closing error 1:3637

*Walter E. Purley*  
Surveyor-Forest Service.

Chains

The soil is a clay loam and produces any of the ordinary crops of the temperate zone without irrigation; but is best adapted to the small grains, beans and sorghums, good crops of which have been produced. Limestone outcrops around the edges of this claim, but very little is included in this survey. This section is not reported to be mineralized; and no townships, mining, coal, or oil claims are known to have been located in this vicinity. That No. 3-906 which will be H. E. S. No. 181 lies immediately W. of this survey and line 1-2 thereof lies along line 5-6 hereof, corners 1 and 6 being common. Heber Postoffice is 5 miles by wagon road in a North-westerly direction. Holbrook railway station is 50 miles by wagon road in a Northwesterly direction.

August 4, 1914.

TRAVELER'S

| Cor.                   | Course.   | Dist.  | N.    | S.    | E.    | W.    |
|------------------------|-----------|--------|-------|-------|-------|-------|
| 1-2                    | S. 50° E. | 17.18  |       | 17.07 | 1.78  |       |
| 2-3                    | S. 54° W. | 11.99  |       | 6.99  |       | 9.81  |
| 3-4                    | S. 29° W. | 7.33   |       | 6.33  |       | 3.63  |
| 4-5                    | N. 89° W. | 26.01  | 0.20  |       |       | 26.01 |
| 5-6                    | N. 0° E.  | 49.10  | 49.10 |       | 0.23  |       |
| 6-7                    | S. 37° E. | 32.17  |       | 17.62 | 13.45 |       |
| 7-8                    | S. 80° E. | 13.07  |       | 8.18  | 12.89 |       |
| 8-9                    | N. 53° E. | 6.04   | 3.46  |       | 4.95  |       |
| 9-10                   | N. 25° E. | 32.74  | 29.56 |       | 14.08 |       |
| 10-11                  | S. 44° E. | 18.84  |       | 13.35 | 13.32 |       |
| 11-1                   | S. 48° W. | 28.45  |       | 18.89 |       | 31.25 |
|                        |           | 228.87 | 82.32 | 82.32 | 60.67 | 60.73 |
| Closing error 1:3637   |           |        |       | 82.32 |       | 60.67 |
| Error in lat. and dep. |           |        |       | 0.04  |       | 0.05  |

Surveyor-General

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

DETAILED COMPUTATIONS.

Lat.  $34^{\circ} 24' 13''$  N. at cor. to secs. 25, 30, 31 and 36,  
T. 12 N., Rs. 17 and 18 E., taken from the special in-  
structions of the Surveyor General.

$$\frac{31.5}{80} \times 0.781' = 3'.4296 \text{ or } 20''.58 \text{ Southing.}$$

$$0^{\circ} 00' 21''$$

$34^{\circ} 23' 52''$  N., lat. at cor. No. 1 of this survey.

$110^{\circ} 29' 45''$  W., Long. at cor. to secs. 25, 30, 31 and 36,  
T. 12 N., Rs. 17 and 18 E., from special instructions  
of Surveyor General.

$$\frac{275 \times 378.07}{480.00} = 216''.6 \text{ or } 03' 37''.$$

$$0^{\circ} 03' 37''$$

$110^{\circ} 33' 22''$  W., Long. at cor. No. 1 of this survey.

$110^{\circ} 33' 22''$  of Long. = 7h. 22m. 13s. of time.

Polaris at cor. No. 1, August 3, 1914, telescope direct  
at 8h. 00m. p.m., l.m.t.

4h. 45.3m. a.m., Greenwich m.t. U. C. Pol., Aug. 3, 1914.  
01.2m., sidereal correction.

4h. 44.1m. a.m., l.m.t. U. C. Pol., August 3, 1914.

16h. 44.1m. astron. l.m.t. U.C. Pol., August 2, 1914.

32h. 00.0m. astron. l.m.t. obsn., August 2, 1914.

15h. 15.9m., hour angle Pol. at obsn.

23h. 56.1m.

8h. 40.2m., time argument.

$88^{\circ} 50' 45''.9$ , decl. Pol. August 3, 1914.

$$\frac{7.6}{7.8} \times 1.8 = 1.8 \text{ Interpolate in G. L. O. Ephemeris.}$$

$1^{\circ} 03' 18''$  East, Azimuth of Pol. at obsn.

Polaris obsn. at cor. No. 1, August 3, 1914, telescope  
reversed in altitude and azimuth at 8h. 12m. p.m., l.m.t.

4h. 45.3m. a.m., Greenwich m.t. U.C. Pol., August 3, 1914.  
01.2m., sidereal correction.

4h. 44.1m. a.m., l.m.t. U. C. Pol., August 3, 1914.

16h. 44.1m. astron. l.m.t. U. C. Pol., August 2, 1914.

32h. 12.0m. astron. l.m.t. obsn., August 2, 1914.

15h. 27.9m., hour angle Pol. at obsn.

23h. 56.1m.

8h. 28.2m., time argument.

$88^{\circ} 50' 45''.9$ , decl. Pol., August 3, 1914.

$$\frac{4.0}{8.4} \times 1.8 = 0.9, \text{ Interpolate in G. L. O. Ephemeris.}$$

$1^{\circ} 06' 00''$  E., Azimuth Pol. at obsn.

T.F.

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HOMESTEAD ENTRY SURVEY NO. 10

NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

Lat. 34° 24' 13" N. at cor. to base. 28, 30, 31 and 32  
T. 12 N., R. 17 and 18 E., taken from the special in-  
structions of the Surveyor General.

$31.8 \times 0.781 = 24.936$  or 20" 58 something.

$0^{\circ} 00' 21''$

34° 23' 58" N., lat. at cor. No. 1 of this survey.

130° 29' 45" W., long. at cor. to base. 25, 30, 31 and 32  
T. 12 N., R. 17 and 18 E., from special instructions  
of Surveyor General.

$278 \times 0.781 = 216.918$  or 03' 37"

$0^{\circ} 03' 37''$

110° 33' 22" W., long. at cor. No. 1 of this survey.

110° 33' 22" of long. = 7m. 22m. 13a. of time.

Polaris at cor. No. 1, August 3, 1914, telescope direct  
at 8m. 00m. p.m., 1.m.t.

4h. 46.8m. a.m., Greenwich m.t. U. C. Pol., Aug. 3, 1914.  
01.2m. sidereal correction.

4h. 44.1m. a.m., 1.m.t. U. C. Pol., August 3, 1914.  
1h. 44.1m. a.m. eastern 1.m.t. U. C. Pol., August 3, 1914.  
32h. 00.0m. eastern 1.m.t. open, August 3, 1914.

1h. 15.9m., hour angle Pol. at open.  
23h. 56.1m.  
3h. 40.2m., time argument.

$88^{\circ} 50' 45''$  decl. Pol., August 3, 1914.

$\frac{7.8}{7.8} \times 1.8 = 1.8$  interpolate in G. L. O. Ephemeris.

1° 03' 18" East, azimuth of Pol. at open.

Polaris open at cor. No. 1, August 3, 1914, telescope  
reversed in altitude and azimuth at 8h. 12m. p.m., 1.m.t.

4h. 45.3m. a.m., Greenwich m.t. U. C. Pol., August 3, 1914.  
01.2m. sidereal correction.

4h. 44.1m. a.m., 1.m.t. U. C. Pol., August 3, 1914.  
1h. 44.1m. a.m. eastern 1.m.t. U. C. Pol., August 3, 1914.  
32h. 12.0m. eastern 1.m.t. open, August 3, 1914.

1h. 27.9m., hour angle Pol. at open.  
23h. 56.1m.  
3h. 38.2m., time argument.

$88^{\circ} 50' 45''$  decl. Pol., August 3, 1914.

$\frac{4.0}{0.4} \times 1.8 = 0.9$ , interpolate in G. L. O. Ephemeris.

1° 06' 00" E., azimuth Pol. at open.

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 footing 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.

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 180, STATE OF ARIZONA.

| CORNERS.             | BEARING.              | DISTANCE. | LATITUDES. |        | DEPARTURES. |       | DOUBLE M. D. | N. AREAS. | S. AREAS. |
|----------------------|-----------------------|-----------|------------|--------|-------------|-------|--------------|-----------|-----------|
|                      |                       |           | NORTH.     | SOUTH. | EAST.       | WEST. |              |           |           |
| 1-2<br>10266 99467   | S. 5° 57' E.          | 17.16     |            | 17 07  | 1 78        |       | 77 14        | 1316 78   |           |
| 2-3<br>81798 57524   | S. 54° 53' W.         | 11.99     |            | 6 90   | 9 81        |       | 69 11        | 476 86    |           |
| 3-4<br>49824 86904   | S. 29° 53' W.         | 7.32      |            | 6 35   | 3 65        |       | 55 65        | 353 38    |           |
| 4-5<br>99997 00756   | N. 89° 34' W.         | 26.01     | 0 20       |        | 26 01       | 5 46  | 26 00        |           |           |
| 5-6<br>00465         | N. 0° 16' E.          | 49.10     | 49 10      |        | 0 23        | 11 79 | 0 24         |           |           |
| 6-7<br>60668 79494   | S. 37° 21' E.         | 22.17     |            | 17 62  | 13 45       |       | 13 94        | 245 48    |           |
| 7-8<br>98604 16648   | S. 80° 25' E.         | 13.07     |            | 2 18   | 12 89       |       | 40 29        | 87 83     |           |
| 8-9<br>81949 57310   | N. 55° 02' E.         | 6.04      | 3 46       |        | 4 95        |       | 58 13        |           |           |
| 9-10<br>42977 70284  | N. 25° 28' E.         | 32.74     | 29 56      |        | 14 08       |       | 77 17        | 2281 92   |           |
| 10-11<br>70546 70875 | S. 44° 52' E.         | 18.84     |            | 13 35  | 13 29       |       | 104 55       | 1395 74   |           |
| 11-1<br>74741 66436  | S. 48° 22' W.         | 28.43     |            | 18 89  | 21 25       |       | 96 60        | 1823 81   |           |
|                      |                       | 232.87    | 82 32      | 82 36  | 60 67       | 60 72 | 2500 30      | 5699 88   |           |
|                      |                       |           | 82 35      | 82 35  | 60 70       | 60 70 |              | 2500 30   |           |
|                      |                       |           |            |        |             |       |              | 3199 58   |           |
|                      | 1:3637 closing error. |           |            |        |             | Area  |              | 159 98    |           |

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W T O R E G I O T S E R I

S O R I A

| COOK/EMP | PERIOD | DISK/REL | LUNELI DEK |       |       |       | DELYRIKES |       |       |       | DOUBIE M D | M VBEVS | E VBEVS |       |       |
|----------|--------|----------|------------|-------|-------|-------|-----------|-------|-------|-------|------------|---------|---------|-------|-------|
|          |        |          | Jobs       | Seals | Feet  | Days  | Days      | Days  | Days  | Days  |            |         |         |       |       |
| ..E      | 173    | ..E      | 31.VL      | VO.VL | 8V.L  | 8V.L  | 8V.L      | 8V.L  | 8V.L  | 8V.L  | 8V.L       | 8V.L    | 8V.L    | 8V.L  | 8V.L  |
| ..W      | 182    | ..W      | ..E        | 08    | ..E   | ..E   | ..E       | ..E   | ..E   | ..E   | ..E        | ..E     | ..E     | ..E   | ..E   |
| ..E      | 182    | ..E      | 31.VL      | 31.VL | 31.VL | 31.VL | 31.VL     | 31.VL | 31.VL | 31.VL | 31.VL      | 31.VL   | 31.VL   | 31.VL | 31.VL |
| ..E      | 192    | ..E      | 31.VL      | 31.VL | 31.VL | 31.VL | 31.VL     | 31.VL | 31.VL | 31.VL | 31.VL      | 31.VL   | 31.VL   | 31.VL | 31.VL |
| ..W      | 193    | ..W      | 31.VL      | 31.VL | 31.VL | 31.VL | 31.VL     | 31.VL | 31.VL | 31.VL | 31.VL      | 31.VL   | 31.VL   | 31.VL | 31.VL |
| ..E      | 193    | ..E      | 31.VL      | 31.VL | 31.VL | 31.VL | 31.VL     | 31.VL | 31.VL | 31.VL | 31.VL      | 31.VL   | 31.VL   | 31.VL | 31.VL |
| ..E      | 193    | ..E      | 31.VL      | 31.VL | 31.VL | 31.VL | 31.VL     | 31.VL | 31.VL | 31.VL | 31.VL      | 31.VL   | 31.VL   | 31.VL | 31.VL |

LABLING VIO OVALGATIONS OF HONESEED EMERY SHREX NO ORL DO XEVVEX NO STATE OF VERMONT

1. Only those copies of this report are necessary for the purpose of giving the 250,000 copies of this report and the Commission.

2. In addition to the copies of this report, the Commission has also received from the State of Vermont the following copies of this report:

3. In addition to the copies of this report, the Commission has also received from the State of Vermont the following copies of this report:

Discussions - I. Copy of the report of the Commission on the Vermont State of Vermont.

Discussions - I. Copy of the report of the Commission on the Vermont State of Vermont.

APPROVAL

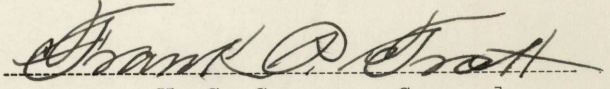
Office of the United States Surveyor General,

Phoenix, Arizona, June 12, , 1916.

The foregoing field notes of Homestead Entry Survey No.

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executed by **Walter G. Turley, Surveyor-Forest Service,** [Forest Service Title.]  
under his special instructions, dated **June 10,** , 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.