

OCT. 28. 1916

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 193

SITUATED IN THE

SITGREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

JUL 23 1915

(Sec 1 - T. 12 N. R. 13 1/2 E) in

Section 6, unsurveyed, Township 12 N., Range 14 E.,

Section 7, unsurveyed, Township 12 N., Range 14 E.,

~~Section 6, unsurveyed, Township 12 N., Range 14 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 July 1, 1914

Survey completed July 2, 1914

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

Applicant for listing Thos. E. Dye,

Residence Winslow, Arizona

December 17, 1909 ✓

Application No. 176 dated June 17, 1910 ✓

List No. 3-627 dated August 22, 1910

List No. 3-1142, dated February 20, 1911 ✓

Applicant for survey Thos. E. Dye,

Residence Winslow, Arizona

H. E. No. 012517 dated December 30, 1910

H. E. No. 016367, dated January 29, 1912 ✓

Land district Phoenix, Arizona

1.2

44

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. 193, in
un surveyed Section 6, Township 12 N., Range 14 E.,
un surveyed Section 7, Township 12 N., Range 14 E.,
~~un surveyed Section 6~~, Township ~~12 N.~~, Range ~~14 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 inconvenient and ex-
pensive to appear before
an officer to administer
the oaths to Assistants;
hence, they were taken
by the Surveyor.

Charles D. Hodson Chainman,
Charles E. Baecht Chainman.

Subscribed and sworn to before me this 12th day of
November, 1914.

Walter G. Turley
Surveyor - Forest Service

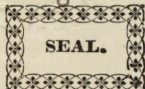
OATH OF SURVEYOR Service

I, Walter G. Turley, Surveyor - Forest, 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. 3-627 & No. 3-1142, dated Aug. 22, 1910 & Feb. 20,
1911 for PATENT, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 193,
situated within the SITGREAVES National Forest, in
un surveyed Section 6, Township 12 N., Range 14 E., and
un surveyed Section 7, Township 12 N., Range 14 E.,
~~un surveyed Section 6~~, Township ~~12 N.~~, Range ~~14 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 April 6, 1918 R. B. Callie
Notary Public



SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Thos. E. Dye; Application No. 176, dated December 17, 1909 and June 17, 1910; Lists No. 3-627, dated August 22, 1910 and 3-1142, dated February 20, 1911; Homestead Entry Nos. 012517 and 016367, made in the Phoenix Land Office on December 30, 1910 and January 29, 1912, respectively, by Thos. E. Dye of Winslow, Arizona.

Surveyed under the 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 Homestead Entry Survey No. 193.

Situated in what will probably be, when surveyed, secs. 6 and 7, T. 12 N., R. 14 E., Gila and Salt River Base and Meridian, within the Sitgreaves National Forest, Arizona.

Survey commenced July 1, 1914 and executed with a W. and L. E. Gurley light mountain transit No. 12953 with vertical circle and Burt solar attachment. The horizontal limb of the transit is provided with 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 attachment and make necessary corrections. The stadia wire interval is adjusted to read 1:132.

The distances were horizontal and were reduced from measurements made on the slope with a 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

SITGREAVES NATIONAL FOREST

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Chains feet and hundredths, provided with two targets, the verniers of which read to thousandths of a foot.

July 1, 1914.

At 9h. 45m. p.m., l.m.t., I observe Polaris with telescope direct, at cor. H-7 of List 3-1142, which is a white sandstone 12 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service, and mark the direction thus determined with a tack in a stake set 5.00 chs. N. of my station.

Astron. l.m.t. obsn., June 30, 1914, 33h. 45.0m.

Astron. l.m.t. U.C.Pol., June 30, 1914, 18h. 53.2m.

Hour angle Pol. at obsn., 14h. 51.8m.
23h. 56.1m.

Time Argument, 9h. 04.3m.

Azimuth of Pol. at obsn., 0° 57' 18" E.

Lat. 34° 27' 38" N., Long: 110° 55' 23" W.

At 10h. 00m. p.m., l.m.t., on the same date, I observe Polaris at cor. H-7 of List 3-1142, heretofore described, with telescope reversed in altitude and azimuth; and mark the direction thus determined with a tack in a stake set 5.00 chs. N. of my station.

Astron. l.m.t. obsn., June 30, 1914, 34h. 00.0m.

Astron. l.m.t. U.C.Pol., June 30, 1914, 18h. 53.2m.

Hour angle Pol. at obsn., 15h. 06.8m.
23h. 56.1m.

Time Argument, 8h. 49.3m.

Azimuth Pol. at obsn., 1° 01' 06" E.

July 1, 1914.

July 2, 1914.

I turn off 0° 57', the azimuth of Polaris, to the W.

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Chains

from her direction at 9h. 45m., p.m., l.m.t., July 1, 1914; and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station.

I also turn off $1^{\circ} 01'$, the azimuth of Polaris, to the W. from her direction at 10h. 00m., p.m., l.m.t.,

July 1, 1914; and mark the line thus determined with a tack in a stake set 5.00 chs. N. of my station.

This line falls $0^{\circ} 00' 18''$ 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 5.00 chs. N. of my station, and from the corresponding meridian all the courses of this survey were deflected.

At 8h. 00m., a.m., l.m.t., on the same date, I set off $23^{\circ} 05-1/2'$ N. on the decl. arc and $34^{\circ} 27-1/2'$ on the lat. arc and determine a meridian with the solar at cor. H-7 of List 3-1142, heretofore described, and my line of sight falls $0^{\circ} 00' 08''$ of measured arc to the W. of the meridian established by me at this point, from Polaris observations made July 1, 1914, and marked upon the ground as heretofore described.

Lat. $34^{\circ} 27' 52''$ N. and Long. $110^{\circ} 55' 26''$ W. at the

S. C. of T. 13 N., Rs. 13 and 14 E., Gila and Salt River Base and Meridian, obtained from the special instructions of the Surveyor General; which gives Lat. $34^{\circ} 27' 38''$ N. and Long. $110^{\circ} 55' 23''$ W. at

Cor. No. 1 of this survey.

With $23^{\circ} 04-1/2'$ N. set off on the decl. arc, and the

HOMESTEAD ENTRY SURVEY NO. 193

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line of collimation of the main telescope lying in the plane of the meridian, I observe the sun upon the meridian with the solar attachment for latitude and time at cor. No. 1. I obtain a reading of $34^{\circ} 27-1/2'$ on the lat. arc and note that the sun crossed the 12 M hour circle of the solar attachment at 12h. 03m. 44s., p.m., watch time. Therefore, my watch is correct for l.m.t. I observe the magnetic declination at cor. No. 1 to be $15^{\circ} 05'$ E. at 8h. 00m., a.m., l.m.t., which gives mean magnetic declination of $15^{\circ} 01'$ E.

Thence S. $11^{\circ} 41'$ E.

For a tie from the S. C. of T. 13 N., Rs. 13 and 14 E., which is a pine tree 18 ins. dia., blazed and scribed SCT13N on N., R14ES31 on E., R13ES36 on W. side with 6 notches on the NE. and W. sides from which:

A pine 12 ins. dia. blazed and scribed S C T 13 N R 13 E S 36 B T bears N. 6° W.,

17 lks. dist. A pine 20 ins. dia. blazed and scribed

S C T 12 N B T bears S. 2° E., 24 lks. dist.

A pine 12 ins. dia. blazed and scribed S C T 12 N B T bears S. $33-1/2^{\circ}$ W., 32 lks. dist.

A pine 8 ins. dia., blazed and scribed S C T 13 N R 14 E S 31 B T bears N. 62° E., 163 lks. dist.

Note: This cor. does not agree with the description given by the Surveyor General, but I assume the cor.

to be correct since I ascertain from the growth of the

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Chains

tree at the cor. that it has been set for approximately twenty years.

21.53 To Cor. No. 1.

Identical with cor. H-7 of List 3-1142 heretofore described. I destroy cor. H-7 with its witnesses; and

for cor. No. 1 of this survey, I set a limestone 28 x 10 x 7 ins., 18 ins. in the ground, over a marked stone chiseled (+) at the point and 1-HES193 on the S. face

and raise a mound of stone 2 ft. base, 1-1/2 ft. high S. of cor. from which:

A pine 14 ins. dia., blazed and scribed

1 H E S 193 + B T bears S. 59° 45' W.,

98 lks.

A pine 26 ins. dia., blazed and scribed

1 H E S 193 + B T bears S. 87° 30' E.,

107 lks.

Thence S. 26° 05' E.

Descend SE. slope 15 ft. in scattering pine timber.

6.00 Creek, 6 lks. wide, banks 2 ft. high, course NE. Ascend

NW. slope 5 ft.

6.80 To Cor. No. 2.

Identical with cor. H-6 of List 3-1142, which is an im-

bedded sandstone 36 x 24 x 12 ins. above ground, marked

and witnessed as described by the Forest Service. I

destroy cor. H-6 with its witnesses; and, for cor.

No. 2 of this survey, I chisel (+) at the point and

2-HES193 on the W. face of the stone which was marked

for cor. H-6 and raise a mound of stone 2 ft. base,

1-1/2 ft. high W. of cor. from which:

A pine 20 ins. dia., blazed and scribed

2 H E S 193 + B T bears N. 18° 30' W.,

44 lks.

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A pine 28 ins. dia., blazed and scribed
2 H E S 193 + B T bears N. 84° 40' E.,
105 lks.

Pits impracticable.

Thence S. 66° 00' W.

Ascend 5 ft. over bottom.

0.05 Pole fence bears NW. and SE.

0.30 Spring-branch, 2 lks. wide, banks 1 ft. high, course NE.

1.85 Pole fence bears NW. and SE.

4.30 Wire fence bears NE. and SW. Enter field.

12.74 To Cor. No. 3.

Identical with cor. H-5 of List 3-1142 which is a sandstone 15 x 4 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-5 with its witnesses; and, for cor. No. 3 of this survey, I set a limestone 26 x 9 x 5 ins., 16 ins.

in the ground, over a marked stone chiseled (+) at the

point and 3-HES193 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, 3-1/2 ft. NW. of cor. from which:

A pine 8 ins. dia., blazed and scribed

3 H E S 193 + B T bears S. 26° 55' E.,

66 lks.

A pine 14 ins. dia. blazed and scribed

3 H E S 193 + B T bears S. 13° 15' W.,

91 lks.

Thence S. 19° 16' W.

Ascend 10 ft. over bottom in scattering pine timber.

3 H E S 193 + B T bears N. 18° 30' W.

4 lks.

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Chains

2.10 Wire fence bears NE. and SW. Enter stock driveway.

6.35 Wire fence bears NE. and SW. Leave driveway and continue in pasture.

13.72 To Cor. No. 4.

Identical with cor. H-4 of List 3-1142 and cor. H-4 of List 3-627, which is a sandstone 12 x 3 x 8 ins., above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-4 with its witnesses; and, for cor. No. 4 of this survey, I set a limestone 28 x 12 x 9 ins., 18 ins. in the ground, over a marked stone, chiseled (+) at the point and 4-HES193 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, 3-1/2 ft. NW. of cor. from which:

A pine 26 ins., dia. blazed and scribed

4 H E S 193 + B T bears S. 29° E.,

86 lks.

A pine 18 ins. dia., blazed and scribed

4 H E S 193 + B T bears N. 71° 15' E.,

34 lks.

At this point I pass from List 3-1142 to List 3-627.

Thence S. 29° 01' W.

Along foot of SE. slope in edge of pine timber.

14.00 Forest Service telephone bears E. and W.

50.02 To Cor. No. 5.

Identical with cor. H-3 of List 3-627 which is a sandstone 10 x 4 x 5 ins. above ground marked and witnessed as described by the Forest Service. I destroy

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cor. H-3 with its witnesses; and, for cor. No. 5 of this survey, I set a limestone 30 x 9 x 7 ins., 20 ins. in the ground, over a marked stone, chiseled (+) at the point and 5-HES193 on the N. 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, 3-1/2 ft. NW. of cor. from which:

A pine 26 ins. dia., blazed and scribed
5 H E S 193 + B T bears S. 41° E. 84 lks.

A pine 24 ins. dia., blazed and scribed
5 H E S 193 + B T bears N. 86° 30' E.,
89 lks.

Thence N. 64° 15' W.

Over bottom in which the water course is not defined.

4.90 Wire fence bears NE. and SW.

5.00 To Cor. No. 6.

Identical with cor. H-2 of List 3-627, which is a sandstone 10 x 3 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-2 with its witnesses; and, for cor. No. 6 of this survey, I set a limestone 26 x 12 x 5 ins., 16 ins. in the ground, over a marked stone, marked (+)

at the point and 6-HES193 on the ENE. 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, 3-1/2 ft. ENE. of cor. from which:

SITGREAVES NATIONAL FOREST

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Chains	<p>Arpine 28 ins. dia., blazed and scribed W '86 H&E S193 + BTT bears N. 21° 30' E., 47 lks.</p> <p>Arpine 18 ins. dia., blazed and scribed W '06 H&E S193 + BTT bears N. 29° W. 26 lks.</p>
	<p>Thence N. 28° 54' E.</p> <p>Along foot of SE. slope in edge of scattering pine timber along wire fence.</p>
5.30	<p>Arroyo, 20 lks. wide, banks 10 ft. high, course NE.</p>
33.50	<p>Forest Service telephone line bears E. and W.</p>
50.94	<p>To Cor. H-1 of List 3-627 and H-1 of List 3-1142, which is a sandstone 24 x 12 x 12 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-1. Continue descending 10 ft. along SE. slope. Leave List 3-627 and enter List 3-1142.</p>
53.50	<p>Wire fence cor. from which the fence bears E. and S. 28° 54' W.</p>
58.00	<p>Wire fence cor. from which the fence bears E. and W.</p>
64.50	<p>Arroyo, 20 lks. wide, banks 2 ft. high, course SE. Ascend 5 ft.</p>
67.97	<p>To Cor. No. 7. Identical with cor. H-8 of List 3-1142, which is a sandstone 14 x 4 x 6 ins. above ground marked and wit- nessed as described by the Forest Service. I destroy cor. H-8 and witnesses; and, for cor. No. 7 of this survey, I set a limestone 28 x 12 x 5 ins., 18 ins. in the ground, over a marked stone, chiseled (+) at the point and 7-HES193 on the SE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor. from which:</p>

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Arpine 20 ins. dia., blazed and scribed
7 H E S 193 + B T T bears N. 16° 15' W.,
43 lks.

Arpine 10 ins. dia., blazed and scribed
7 H E S 193 + B T T bears N. 14° 30' E.,
49 lks.

Pits impracticable.

Along foot of SE slope in case of ascending

Thence N. 55° 36' E.

Descend NE slope 10 ft. in open.

8.55 Wire fence bears NW. and SE.

10.05 Arroyo, 10 lks. wide, banks 2 ft. high, course SE.

Ascend S. slope 10 ft.

11.02 To cor. No. 1, the place of beginning.

Continue descending 10 ft. along

SE slope. Leave this and enter West 3-11-3.

Total Area 38.03 Acres

IMPROVEMENTS

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

A two-story log house 28 x 26 ft., the long side of which bears N. and S. and the NE. cor. of which bears S. 36° 30' W., 4.50 chs. dist. from cor. No. 1.

Value \$600.00

A log store house 16 x 14 ft., the long side of which bears N. and S., and the NE. cor. of which bears S. 47° 00' W., 3.40 chs. dist. from cor. No. 1.

Value \$150.00

A log tool house 12 x 12 ft., the long side of which bears N. and S. and the NE. cor. of which bears S. 48° 15' W., 2.70 chs. dist. from cor. No. 1.

Value \$100.00

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains A log stable 42 x 40 ft., the long side of which bears E. and W. and the NE. cor. of which bears S. 31° 30' W., 1.74 chs. dist. from cor. No. 1.

Value ----- \$500.00

Approximately 2 miles of fence and corrals:

Value ----- \$250.00

Approximately 20 acres cultivated.

DESCRIPTION

This claim is situated on the N. slope of the Mogollon mesa at an elevation of approximately 7,200 ft., and occupies a tract of land along Williams Draw, which drains northeasterly into Alder Canon.

This section is heavily timbered and a fringe of timber is included in this survey. Sufficient water for domestic purposes and for stock rises in the bed of Williams Draw, which runs upon the surface for a sufficient time each year to provide water to irrigate a garden.

The soil is a clay loam and adapted to raising any crop of the temperate zone. Claimant has raised good crops of grain, potatoes and garden. The slopes are stony but are agricultural in character.

I saw no indication of mineral upon this claim and no mining claims are known to have been located in this section, and no townsites are near.

There are no conflicts or adjoining claims.

Withdrawal for Waters Ranger Station is approximately one mile in a Westerly direction.

Winslow post office and railway station is 51 miles by wagon road in a northeasterly direction.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

July 2, 1914.

Chains

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 26° 05' E.	6.80		6.11	2.99	
2-3	S. 66° 00' W.	12.74		5.18		11.64
3-4	S. 19° 16' W.	13.72		12.95		4.53
4-5	S. 29° 01' W.	50.02		43.74		24.26
5-6	N. 64° 15' W.	5.00	2.17			4.50
6-7	N. 28° 54' E.	67.97	59.51		32.85	
7-1	N. 55° 36' E.	11.02	6.23		9.09	
		167.27	67.91	67.98	44.93	44.93
Error in Lat. and Dep.				67.91	44.93	
					0.07	0.00

Closing error, 1:2390.

Walter J. Turley

Surveyor - Forest Service

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. I. O.

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

Thos. E. Dye— Sitgreaves

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 193, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.			DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.	EAST.	WEST.	N.		
45468 89816	S. 26° 05' E.	6.80	6	11	2	99	86	87	530	78	
91255 40674	S. 66° 00' W.	12.74	5	18	11	64	78	22	404	40	
94899 32997	S. 19° 16' W.	13.72	12	95	4	53	62	05	802	93	
48506 87448	S. 29° 01' W.	50.02	43	74	24	26	33	26	1454	13	
90070 48445	N. 64° 15' W.	5.00	2	17	4	50	4	50	9	77	
48328 87546	N. 28° 54' E.	67.97	59	51	32	85	32	85	1955	89	
82511 56499	N. 55° 36' E.	11.02	6	23	9	09	74	79	465	94	
		<u>167.27</u>	67	91	44	93	44	93	2431	60	
			67	94	44	93	44	93	3192	24	
									2431	60	
									760	64	
									38	03	
									Area		

Closing error 1:2390

T-F.

APPROVAL

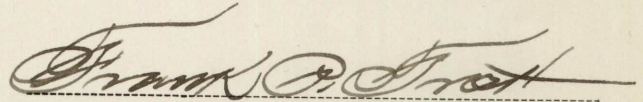
Office of the United States Surveyor General,

Phoenix, Arizona, March 20 , 1917.

The foregoing field notes of Homestead Entry Survey No.

193

executed by **Walter G. Turley, Surveyor Forest Service**
[Forest Service Title.]
under his special instructions, dated **June 10** , 191**4** 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.