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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

DEC-5-1919

MAY-7-1920

563- add

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 560

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 25, unsurveyed, Township 5 N., Range 12 E.
In Section 26, unsurveyed, Township 5 N., Range 12 E.

of the

GILA AND SALT RIVER BASE & Meridian.

State of

ARIZONA

Applicant for listing	Hugh Carr,	✓
Residence	Roosevelt, Arizona.	
Application No.	240	, dated November 18, 19 10 ✓
List No.	3-1386	, dated July 12, 19 11 ✓

Applicant for survey	Al M. Despain	✓
Residence	Roosevelt, Arizona.	
H. E. No.	028813	, dated November 16, 19 15 ✓
Land Office	Phoenix, Arizona.	

Survey executed by	Frank D. Yost, Surveyor - Forest Service,	
	<small>(Forest Service Title.)</small>	
Under special instructions dated	February 15,	✓, 19 18
Survey commenced	May 2	, 19 19
Survey completed	May 3	✓, 19 19
Under Acts of	June 11, 1906, and October 1	, 1918 ✓



286

OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **560**, in the State
of **ARIZONA** which are represented in the following field notes
as having been surveyed by him and under his direction; and that said
survey has been in all respects, to the best of our knowledge and
belief, well and faithfully surveyed, and the corner monuments estab-
lished, according to the instructions furnished by the United States
Surveyor General for **ARIZONA**.

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

F. E. Braudabury
Chainman

N. H. Longfellow
Chainman

Subscribed and sworn to before me this **6th** day of
August, 19 **19**.

Frank D. Yost
Surveyor - Forest Service,

OATH OF SURVEYOR

I, **Frank D. Yost,** **Surveyor - Forest Service,**
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **ARIZONA**, dated
February 15, 19 **18**, 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. **3-1386**, dated **July 12**, 19 **11**, for
patent, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **560**,
situated within the **TONTO** National Forest, in
un surveyed Section **25**, Township **5 N.**, Range **12 E.**, and
un surveyed Section **36**, Township **5 N.**, Range **12 E.**,

of the **GILA AND SALT RIVER BASE & 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

Frank D. Yost
Surveyor - Forest Service,
[Forest Service Title.]

Subscribed and sworn to before me this **fifth** day of
November, 19 **1919**.

Ethel S. Myers
Notary Public,



My commission expires **March 17, 1921**.

TONTONATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Hugh Carr; Application No. 240, dated November 18, 1910; List No. 3-1386, dated July 12, 1911; H. E. 028813 made in the Phoenix Land Office, on November 16, 1915, by Al M. Despain.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 15, 1918, and designated as Homestead Entry Survey No. 560.

Situated in what will probably be when surveyed Secs. 25 and 36, T. 5 N., R. 12 E., Gila and Salt River Base and Meridian, Tonto National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and October 1, 1918.

Survey commenced May 2, 1919, and executed with a Buff and Buff transit No. 10019, equipped with Smith solar attachment.

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

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

May 2, 1919.

At Cor. No. 1, hereinafter described, at 6h 47.7m p.m., l.m.t., I observe Polaris with telescope direct reading an angle of 169° 03' 45" from star to left to a reference mark, 1 mile dist.

Lat. 33° 44' 30" N., Long. 111° 04' 26" W., from special instructions from the Surveyor General and later verified.

Greenwich m.t., U. C. Pol. May 2, 1919, 10h 53.4m a.m.

Corr. for long. 1.2

TONTON NATIONAL FOREST

STATE OF ARIZONA

Chains . . . l.m.t. U.C. Pol. May 2, 1919, 10h 52.2m a.m.

l.m.t. obsn. May 2, 1919, 6h 47.7m p.m.

Hour Angle, 7h 55.5m

Azimuth of Polaris. 1° 10' 21" W.

Bearing of reference mark, S. 9° 45' 54" W.

At the same station at 6h 49.7m p.m., l.m.t., I again observe Polaris with telescope reversed, reading an angle of 169° 04' 09" from star to left to same reference mark.

l.m.t. U.C. Polaris, May 2, 1919, 10h 52.2m a.m.

l.m.t. obsn. Polaris, May 2, 1919, 6h 49.7m p.m.

Hour Angle, 7h 57.5m

Azimuth of Polaris, 1° 10' 03" W.

Bearing of reference mark, S. 9° 45' 57" W.

The two obsns. give a mean bearing of reference mark as S. 9° 45' 55" W. I accept bearing of reference mark as S. 9° 46' W. and to the corresponding meridian all courses of this survey were referred by sustained angulation.

May 2, 1919.

BOUNDARIES OF CLAIM

May 3, 1919.

Beginning at Cor. No. 1.

Identical with Cor. H-1 of the list survey, which is a granite stone 3 x 9 x 16 ins. set on top of an embedded malpais boulder showing 36 x 24 x 6 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy all trace of this list cor.

I chisel + on top of the embedded malpais boulder, showing 36 x 24 x 6 ins. above ground, for the point and 1 H E S 560 to SW. of +; raise a mound of stone 3 ft.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains base, 2 ft. high, SW. of cor., whence:

A + on an embedded malpais boulder showing 2 x 2 x 1 ft. above ground, chiseled 1 H E S 560 + B R on top, bears S. 85° 29' W., 17 lks. dist.

A + on an embedded malpais boulder showing 30 x 24 x 6 ins. above ground, chiseled 1 H E S 560 + B R, bears N. 7° 28' W., 31 lks. dist.

Cor. to Secs. 25, 30, 31 and 36, T. 5 N., Rs. 12 and 13 E., (accepted) a brown conglomerate 10 x 5 x 12 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General, bears S. 71° 57' 10" E., 19.62 chs. dist. by traverse which appears at the end of these notes.

Lat. 33° 44' 31" N., Long. 111° 04' 26" W., from special instructions from the Surveyor General and later verified.

Mag. decl. at 8 a.m. is 14° 30' E.,

Mean Mag. decl. 14° 27' E.

Thence S. 6° 18' E.

Over gentle South slope; wire fence on line.

2.36 Cor. wire fence, fences bear S. 80° W. and along line.

4.00 Ranch road, bears W. and SE.

5.45 Cor. wire fence, fences bear West and along line.

5.97 NW. cor. of pole branding corral, 1 ch. wide. Outside of claim; thence along West side corral, wire fence on line.

7.95 SW. cor. of pole branding corral. Thence thru dense mesquit, catclaw and scrub oak.

16.92 To Cor. No. 2. At cor. wire fence; fences bear N. 6° 18' W., and S. 71° 18' W.

Chains

Identical with cor. H-4 of the list survey, which is a malpais stone 5 x 7 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor.

Deposit a sandstone 4 x 3 x 2 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1919 on S. rim and 2 H E S 560 in NW. quadrant; raise a mound of stone 3 ft. base, 2 ft. high NW. of cor., whence:

A mesquit 6 ins. dia., brs. S. 85° 00' W.,

18 lks. dist.

A mesquit 14 ins. dia., brs. N. 40° 30' E.,

30 lks. dist.

Each blazed and scribed 2 H E S 560 + B T

Thence S. 71° 18' W.

Desc. 20 ft. thru dense scrub oak, mesquit and catclaw.

Fence on line.

5.28 To Cor. No. 3. At cor. of fence; fence bears

N. 71° 18' E. and N. 25° 31' W.

Identical with Cor. H-3 of the list survey, which is a sandstone 12 x 6 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I

destroy all trace of this list cor.

Deposit a sandstone 5 x 4 x 2 ins. marked with a + 24 ins. in the ground, over which set an iron post 2 ins. dia., 36 ins. long, with brass cap marked 1919 on S. rim, and 3 H E S 560 in NE. quadrant; raise a mound of stone 3 ft. base, 2 ft. high NE. of cor., whence:

A mesquit 12 ins. dia., brs. S. 89° 01' W.,

70 lks. dist.

A mesquit 10 ins. dia., brs. South,

63 lks. dist.

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

Each blazed and scribed 3 H E S 560 + B T

Thence N. 25° 31' W.

Desc. 10 ft. thru dense scrub oak, mesquit and catclaw.

Fence on line.

2.29 Dagger Spring Wash, 50 lks. wide, 4 ft. deep, (dry) course

S. 35° W. Bottom of desc. Asc. 50 ft. over gradual

rocky NE. slope.

18.03 To Cor. No. 4. At cor. of fence; fences bear S. 25° 31' E.

N. 25° 30' W. and N. 78° 14' E.

Identical with cor. H-2 of the list survey, which is a granite stone 18 x 6 x 10 ins. above ground, marked and

witnessed as described by the Forest Service. I

destroy all trace of this list corner.

Deposit a sandstone 4 x 4 x 3 ins. marked with a + 14

ins. in the ground, over which set a red granite stone

24 x 12 x 8 ins. chiseled + for the point and 4 H E S

560 on SE. face; raise a mound of stone 3 ft. base,

2 ft. high SE. of cor., whence:

A mesquit 22 ins. dia., brs. S. 50° 41' E.,

69 lks. dist.

A catclaw 8 ins. dia., brs. S. 19° 21' E.,

87 lks. dist.

Each blazed and scribed 4 H E S 560 + B T

Thence N. 78° 14' E.

Desc. 20 ft. over steep rocky NE. slope; fence on line.

1.62 Dagger Spring Wash, 50 lks. wide, 4 ft. deep, (dry)

course S. 30° E.

2.47 Pipe line 1-1/4 in. dia., brs. N. 30° W. and S. 30° E.

Ascend 50 ft. over West slope, thru heavy mesquit,

catclaw and oak brush.

11.14 To Cor. No. 1, the place of beginning.

Chains

AREA

Total Area, - - - - - 14.11 Acres

IMPROVEMENTS

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

A log house 25 x 30 ft., the long sides extending E. and W., the NE. cor. of which bears S. 38° 11' W., 337 lks. dist. from cor. No. 1.

Value - - - - - \$ 500.00

A frame wagon shed with corrugated iron roof, 15 x 20 ft., the long sides extending N. and S. The NE. cor. of which bears S. 5° 00' W., 5.76 chs. dist. from Cor. No. 1.

Value - - - - - \$ 150.00

Approximately 1/4 mile of 1-1/4 in. iron pipe line for piping water from spring in Dagger Springs Wash to claim, about 10 chs. of this pipe line is off of claim.

Value - - - - - \$ 250.00

Approximately 3/4 miles of barbed wire fencing,

Value - - - - - \$ 100.00

DESCRIPTION

The claim is a small flat lying between two forks of Dagger Springs Wash, at an elevation of about 2400 ft. The soil is a rich sandy loam of good depth and very fertile.

Water for domestic use and for irrigating a small gar-

TONTO NATIONAL FOREST

STATE OF ARIZONA

Chains

den is piped from spring in Dagger Springs Wash about ten chains northerly of claim.
Approximately 70 per cent of the area is suitable for agricultural purposes, 8 acres of which were under cultivation at the time of survey.
There is no merchantable timber on the claim.
I saw no indications of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.
Roosevelt, Arizona, the nearest settlement and postoffice, is about five miles in a southerly direction.

TRAVERSES

Course	Dist	N.	S.	E.	W.
S. 6° 18' E.	16.92		16.82	1.86	
S. 71° 18' W.	5.28		1.69		5.00
N. 25° 31' W.	18.03	16.27			7.77
N. 78° 14' E.	11.14	2.27		10.91	
	51.37	18.54	18.51	12.77	12.77
		18.51		12.77	
Error in Lat. and Dep.		.03		.00	

Closing Error, 1:1712.

TIE LINE FROM COR. No. 1 H.E.S. 560 to CORNER OF SECS. 25, 30, 36 and 31, T. 5 N., Rs. 12 and 13 E.

Course	Dist.	N.	S.	E.	W.
S. 6° 18' E.	16.92		16.82	1.86	
N. 88° 59' E.	9.74	.17		9.74	
N. 33° 45' E.	12.71	10.57		7.06	
	39.37	10.74	16.82	18.66	
			10.74		
			6.08		

Resultant Course, S. 71° 57' 10" E., 19.62 chs.

Survey completed May 3, 1919.

[Handwritten Signature]
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. 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. 560, STATE OF ARIZONA

6-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.				
1 - 2	S. 6-18 E.	✓ 16.92		✓ 16 82 ⁸³	1 86 ✓		23 68		✓ 398 53	
2 - 3	S. 71-18 W.	✓ 5.28		✓ 1 69		5 00 ✓	20 54		✓ 34 71	
3 - 4	N. 25-31 W.	✓ 18.03	16 26 ²⁶ ✓			7 77 ✓	7 77	126 34 ✓		
4 - 1	N. 78-14 E.	✓ 11.14	2 27 ²⁶ ✓		10 91 ✓		10 91	24 66 ✓		
		51.37 ✓	18 54 ✓	18 51 ✓	12 77 ✓	12 77 ✓		151 00 ✓	433 24 ✓	
			18 52 ⁵²	18 52 ⁵²	12 77 ⁷⁷	12 77 ⁷⁷			151 00 ✓	
	Error in Lat.		03 ✓						20/282 24 ✓	
	Closing Error, 1:1712								14 11 ✓	Acres

295

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 22, 1920

The foregoing field notes of Homestead Entry Survey No.

560

executed by *Frank D. Gost, Surveyor,* [Forest Service Title.]
under his special instructions, dated *February 15,* 1918, having
been critically examined, and the necessary corrections and explanations
made, the said field notes, and the surveys they describe, are hereby
approved.

Frank P. Trott

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.