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ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

MAY 25 1920

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 518

SITUATED IN THE CORONADO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 13, unsurveyed, Township 21 S., Range 29 E.

In Section 24, unsurveyed, Township 21 S., Range 29 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing F. M. Chatfield,
 Residence Bernardino, Arizona
 Application No. 24, dated January 13, 1908
 List No. 1508, dated June 18, 1908

Applicant for survey William D. Glenn,
 Residence Bernardino, Arizona
 (Box 711-Douglas, Ariz.)
 H. E. No. 028090, dated September 7, 1915
 Office
 Land District Phoenix, Arizona

Survey executed by Lee C. Daves, Surveyor - Forest Service
 Under special instructions dated March 28, 1917
 Survey commenced August 9, 1917
 Survey completed August 11, 1917
 Under Acts of June 11, 1906 and March 4, 1917

1.2

Coronado

578

OATH OF ASSISTANTS

We hereby certify that we assisted **Lee C. Daves,**
Surveyor - Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **518**, in the State
of **Arizona** which are represented in the following field notes
as having been surveyed by him and under his direction; and that said
survey has been in all respects, to the best of our knowledge and
belief, well and faithfully surveyed, and the corner monuments estab-
lished, according to the instructions furnished by the United States
Surveyor General for **Arizona**.

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

Mark James Lenter
Chainman

Subscribed and sworn to before me this **11th** day of
August, 19 **17**.

Lee Daves
Surveyor - Forest Service

OATH OF SURVEYOR

I, **Lee C. Daves,** **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
March 28, 19 **17**, 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 **Patent**, No. **1508**, dated **June 18**, 19 **08**, for
under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **518**,
situated within the **CORONADO** National Forest, in
unsurveyed Section 13, Township **21 S.**, Range **29 E.**, and
unsurveyed Section 24, Township **21 S.**, Range **29 E.**,

of the **G. and S. R. B. and** 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.

Lee Daves
Surveyor - Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this **twenty-first** day of
December, 19 **18**

Ethel G Myers
Notary Public.



CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Applicant for listing, F. M. Chatfield; Application No. 24, dated January 13, 1908; List No. 1508, dated June 18, 1908; H. E. 028090, made in the Phoenix Land Office on September 7, 1915 by William D. Glenn.

No corners of the list survey could be found. The field notes of the listing survey do not properly describe the land occupied and intended to be embraced in the original listing. This survey will therefore be used as a basis for substitute listing and amendatory entry. The entryman was present at the time of survey and was satisfied with the lines as marked upon the ground.

Surveyed under special instructions from the Surveyor General for Arizona, dated March 28, 1917, and designated as Homestead Entry Survey No. 518.

Situated in what will probably be when surveyed Secs. 13 and 24, T. 21 S., R. 29 E., Gila and Salt River Base and Meridian, Coronado National Forest, Arizona.

Surveyed under the acts of June 11, 1906 and March 4, 1917.

Survey commenced August 9, 1917 and executed with a Buff and Buff transit No. 9703, 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.

August 9, 1917.

At cor. of secs. 13, 18, 19 and 24 on W. bdy. T. 21 S., R. 30 E., Lat. 31° 35' 48" N., Long. 109° 20' 10" W., from U. S. G. S. advance sheet of the Chiricahua

HOMESTEAD ENTRY SURVEY NO. 518

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Quadrangle, which is a limestone 20 x 8 x 4 ins. above ground, firmly set and marked with 3 notches on N. edge and 3 on S. edge, witnessed as described by the Surveyor General, I observe Polaris as follows:

Reference Mark: A bushy tree on sky line about 2 miles dist. in a Northwesterly direction. Angles, from Star to Mark. Mark W. of Star.

	Circle	l.m.t.	Angle
1	W	7h. 12.2m. p.m.	43° 01.0'
2	E	7h. 13.7m.	43° 01.5'
3	E	7h. 14.2m.	43° 01.5'
4	W	7h. 15.7m.	43° 02.0'
5	W	7h. 16.7m.	43° 02.0'
6	E	7h. 17.2m.	43° 02.5'
7	E	7h. 18.7m.	43° 03.0'
8	W	7h. 19.7m.	43° 03.0'

Greenwich m.t. U. C. Pol., August 10, 4h. 18.7m. a.m.

Correction for Long. - 01.2m.

l.m.t. U. C. Polaris, Aug. 10, 1917, 4h. 16.5m. a.m.

l.m.t. of obsn. 7h. 12.2m. 13.7 14.2 15.7 16.7 17.2 18.7 19.7m p.m. Mean time

interval to 12h. 47.8m. 46.3 45.8 44.3 43.3 42.8 41.3 40.3m

Hour Angle 8h. 64.3m. 62.8 62.3 60.8 59.8 59.3 57.8 56.8m.

Azimuth of Star, 180° 54.8' 55.2 55.3 55.6 55.9 56.0 56.4 56.6'

Angle, 43° 01.0' 01.5 01.5 02.0 02.0 02.5 03.0 03.0'

Azimuth of Mark, 137° 53.8' 53.7 53.8 53.6 53.9 53.4 53.4 53.6'

Mean Azimuth of Mark, 137° 53.6'

Accept bearing as N. 42° 06' W.

From the meridian thus determined all the courses of this survey are deflected by sustained angulation.

RETRACEMENT

August 10, 1917.

Beginning at the cor. of Secs. 13, 18, 19 and 24, on W. bdy. of T. 21 S., R. 30 E., which is a limestone 20 x 8 x 4 ins. above ground, marked with 3 notches on N. face and 3 on S. face; witnessed as described by the Surveyor General, and hereinafter noted under Cor. No. 1.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

Thence South.

Retracing line bet. secs. 19 and 24, N/2.

40.45

Falls 2.38 chs. E. of the 1/4 sec. cor. bet. secs. 19 and 24, which is a lava stone 18 x 8 x 4 ins. above ground, firmly set, marked 1/4 on W. face; witnessed as described by the Surveyor General.

True line is N. 3° 22' E., 40.52 chs.

From the cor. of Secs. 13, 18, 19 and 24, heretofore described.

Thence North.

Retracing line bet. secs. 13 and 18, S/2.

40.20

Falls 16 lks. E. of the 1/4 sec. cor. bet. secs. 13 and 18, which is a limestone 16 x 8 x 6 ins. marked 1/4 on W. face; witnessed as described by the Surveyor General.

True line is N. 0° 14' W., 40.20 chs.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Identical with the cor. of Secs. 13, 18, 19 and 24, which is a limestone 20 x 8 x 4 ins. above ground, marked 3 notches on N. face and 3 on S. face. I add + on top and alongside to West set a limestone 24 x 8 x 4 ins. marked 1 - H E S 518 on W. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

No witnesses available. Pits impracticable.

Lat. 31° 35' 48" N., Long. 109° 20' 10" W., from U. S.

G. S. Advance Sheet Chiricahua Quadrangle.

Mag. decl. at 6:00 a.m. is 12° 30' E. Mean mag. decl. is 12° 28' E.

Thence S. 3° 22' W.

Along line bet. secs. 19 and 24. Desc. 25 ft.

5.00

Buck Creek, water in holes, 18 lks. wide, 2 ft. deep, course SE. Asc. 50 ft.

Chains	<p>12.00 Top SW. end of ridge, bears NE. and SW. Desc. 75 ft. to cor.</p> <p>20.00 Buck Creek (dry), 25 lks. wide, 2 ft. deep, course SW.</p> <p>28.76 To cor. No. 2, and C. C. on line bet. secs. 19 and 24. Deposit a limestone 5 x 3 x 3 ins. marked with a +, 18 ins. in the ground, over which set a basalt stone 28 x 9 x 8 ins., chiseled + for the point, C C on W. face and 2 - H ES 518 on NW. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor., whence:</p> <p style="padding-left: 40px;">SE. cor. frame shed bears N. 46° 50' W., 81 lks.</p> <p style="padding-left: 40px;">NE. cor. stone house, bears N. 39° 40' W., 224 lks.</p> <p style="padding-left: 40px;">SW. cor. frame shed, bears N. 28° 20' W., 258 lks.</p> <p style="padding-left: 40px;">SW. cor. frame blacksmith shop bears N. 24° 50' W., 205 lks. dist.</p> <p style="padding-left: 40px;">Cor. of secs. 13, 18, 19 and 24, heretofore described, bears N. 3° 22' E., 28.76 chs. dist.</p> <p style="padding-left: 40px;">1/4 sec. cor. bet. secs. 19 and 24, heretofore described, bears S. 3° 22' W., 11.76 chs. dist.</p> <hr/> <p>Thence West.</p> <p>2.80 Buck Creek, 35 lks. wide (dry), 2 ft. deep, course SE.</p> <p>4.00 To cor. No. 3. Deposit a limestone 6 x 4 x 3 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 15 x 5 ins., chiseled + for the point and 3 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high, NE. of cor., whence:</p> <p style="padding-left: 40px;">Center windmill bears N. 12° 35' E., 405 lks. dist.</p> <p style="padding-left: 40px;">SE. cor. stone house bears N. 63° 27' E.,</p>
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CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

290 lks. dist.

Thence North.

Asc. 75 ft.

0.90 Buck Creek, 30 lks. wide (dry), course SE.

5.50 Buck Creek, 30 lks. wide (dry), course, SW.

14.90 Arroyo, 5 lks. wide, 2 ft. deep, course E.

21.00 Road bears NW. and SE.

23.80 To cor. No. 4.

Deposit a limestone 4 x 2 x 2 ins. marked with a +, 14 ins. in the ground, over which set a limestone 24 x 8 x 7 ins., chiseled + for the point and 4 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high, NE. of cor.

No witnesses available. Pits impracticable.

Thence N. 52° 00' W.

Over open rolling land.

4.60 Arroyo (dry), 7 lks. wide, 2 ft. deep, course NE.

4.80 Road bears N. and S.

15.10 To cor. No. 5.

Deposit a granite porphyry stone 3 x 3 x 2 ins. marked with a +, 14 ins. in the ground, over which set a granite porphyry stone 24 x 10 x 6 ins., chiseled + for the point and 5 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high NE. of cor.

No witnesses available. Pits impracticable.

Thence N. 85° 00' W.

Along N. slope.

23.70 Wagon road bears NE. and SW.

27.70 To cor. No. 6.

Deposit a sandstone 5 x 4 x 3 ins. marked with a +, 14 ins. in the ground, over which set a sandstone 24 x 16

Chains	<p>x 4 ins. chiseled + for the point and 6 - H E S 518 on NE. face; and raise a mound of stone 4 ft. base, 2 ft. high NE. of cor.</p> <p>No witnesses available. Pits impracticable.</p> <p>August 10, 1917.</p> <hr/> <p>August 11, 1917.</p> <p>Thence N. 29° 43' E.</p> <p>Over open rolling land.</p> <p>12.50 Begin desc. of 25 ft. to cor., along E. slope.</p> <p>24.75 Gulch, 150 lks. wide, 20 ft. deep (dry), course E.</p> <p>46.10 Arroyo, 15 lks. wide, 4 ft. deep, course E.</p> <p>49.90 Arroyo, 20 lks. wide, 3 ft. deep, course E.</p> <p>50.95 Buck Creek (dry), 20 lks. wide, 4 ft. deep, course S.</p> <p>51.23 To cor. No. 7.</p> <p>Deposit a granite porphyry stone 5 x 3 x 2 ins. marked with a +, 14 ins. in the ground, over which set a basalt stone 24 x 9 x 7 ins., chiseled + for the point and 7 - H E S 518 on SE. face; and raise a mound of stone 4 ft. base, 2 ft. high SE. of cor.</p> <p>No witnesses available. Pits impracticable.</p> <hr/> <p>Thence East.</p> <p>Over level land.</p> <p>0.15 Wire fence bears N. and S. Thence over cultivated land.</p> <p>4.32 To cor. No. 8.</p> <p>Deposit a basalt stone 6 x 4 x 3 ins. marked with a +, 16 ins. in the ground, over which set a basalt stone 26 x 12 x 10 ins., chiseled + for the point and 8 - H E S 518 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor.</p> <p>No witnesses available. Pits impracticable.</p> <hr/> <p>Thence S. 27° 00' E.</p>
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CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Along foot of SW slope and NE. edge of cultivated land.
4.60 SE cor. of cultivation.

11.72 To cor. No. 9.
Deposit a basalt stone 6 x 3 x 2 ins. marked with a +,
16 ins. in the ground, over which set a basalt stone
26 x 16 x 10 ins., chiseled + for the point and 9 -
H E S 518 on SW. face; and raise a mound of stone 4 ft.
base, 2 ft. high SW. of cor.

No witnesses available. Pits impracticable.

Thence S. 86° 16' E.

Asc. 50 ft. to cor. on W. slope.

9.99 To cor. No. 10.

Identical with the 1/4 sec. cor. bet. secs. 13 and 18,
which is a limestone 16 x 8 x 6 ins. above ground,
firmly set, marked 1/4 on W. face. I add + on top,
and SW. and alongside set a limestone 24 x 8 x 7 ins.
marked 10 - H E S 518 on SW. face; and raise a mound
of stone 4 ft. base, 2 ft. high W. of cor.

No witnesses available. Pits impracticable.

Thence S. 0° 14' E.

Along line bet. secs. 13 and 18, S/2. Over W. slope,
through yucca palm, soto, mescal, and sacaton.

Desc. 50 ft. to cor.

7.00 Gulch, 50 ft. deep, 150 lks. wide, course W.

17.00 Gulch, 40 ft. deep, 200 lks. wide, course W.

40.20 To cor. No. 1, and point of beginning.

AREA

Total Area-----159.98
Acres.

HOMESTEAD ENTRY SURVEY NO. 518

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

IMPROVEMENTS

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

A frame shed, 12 x 16 ft., the long side extending E. and W. and the SE. cor. of which bears N. 46° 50' W., 81 lks. dist. from cor. No. 2.

Value-----\$40.00

A stone house, 16 x 20 ft., the long side extending E. and W. and the NE. cor. of which bears N. 39° 40' W., 224 lks. dist. from cor. No. 2.

Value-----\$2000.00

A frame shed, 12 x 14 ft., the long side extending E. and W. and the NE. cor. of which bears N. 28° 20' W., 258 lks. dist. from cor. No. 2.

Value-----\$ 15.00

A frame blacksmith shop, 12 ft. sq., the sides of which extend in cardinal directions, and the SW cor. of which bears N. 24° 50' W., 205 lks. dist. from cor. No. 2.

Value-----\$250.00

A well, 50 ft. deep, 12 ft. good water, and windmill bears N. 12° 35' E., 405 lks. dist. from cor. No. 3.

Value-----\$1500.00

DESCRIPTION

The claim is situated on Buck Creek, which flows from N. to S. across the land.

About 15 acres are in cultivation, and probably about 100 acres could be cultivated.

There is no timber on the land.

Water is obtained from a well near the house.

There were no indications of mineral upon the claim.

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CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims. H. E. S.
No. 271 lies about 3/8 of a mile South.
Bernardino, Arizona, the nearest railroad station and
post office is about 7 miles by wagon road in a
Southerly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 3° 22' W.	28.76		28.71		1.69
2-3	West	4.00				4.00
3-4	North	23.80	23.80			
4-5	N. 52° 00' W.	15.10	9.30			11.90
5-6	N. 85° 00' W.	27.70	2.41			27.59
6-7	N. 29° 43' E.	51.23	44.49		25.40	
7-8	East	4.32			4.32	
8-9	S. 27° 00' E.	11.72		10.44	5.32	
9-10	S. 86° 16' E.	9.99		0.65	9.97	
10-1	S. 0° 14' E.	40.20		40.20	0.16	
			216.82	80.00	80.00	45.17
					80.00	45.18
					.00	.01

Error in Lat. and Dep.

Closing Error, 1:21682.

Survey completed August 11, 1917.

Lucas

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.

TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 518, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 3° 22' W	28.76		28 71		1 69	88 67		2545 72
2-3	West	4.00				4 00	82 98		
3-4	North	23.80	23 80				78 98	1879 72	
4-5	N. 52° 00' W	15.10	9 30			11 90	67 08	623 84	
5-6	N. 85° 00' W	27.70	2 41			27 59	27 59	66 49	
6-7	N. 89° 43' E	51.23	44 49		25 40	27 59	25 41	1130 49	
7-8	East	4.32			4 32		55 14		
8-9	S. 27° 00' E	11.72		10 44	5 32		64 78		676 30
9-10	S. 86° 16' E	9.99		65	9 97		80 07		52 05
10-1	S. 0° 14' E	40.20		40 20	16		90 20		3626 04
		216.82	80 00	80 00	45 17	45 18		3700 54	6900 11
			80 00	80 00	45 18	45 18			3700 54
					01				20/ 3199 57
Closing	error 1:21682								159 98 acres

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I, William D. Glenn hereby agree to the survey of my homestead, number 518 as made on the 11th day of August 1917, by Forest Service Surveyor Lee C. Daves, and further agree that when notified that the survey has been approved and before attempting to make final proof on my entry, I will apply for amendment of the same to conform with said survey.

(Sgd.) William D. Glenn.
Claimant.

ought not the survey to be have an in other cases?

Believe the copy sufficient usually keep the original for our files for more information with the original survey.

APPROVAL


Office of the United States Surveyor General,

Phoenix, Arizona, March 17, 1920

The foregoing field notes of Homestead Entry Survey No.

518

executed by *Lee C. Daves, Surveyor* [Forest Service Title.]
under his special instructions, dated *March 28*, 1917, 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.