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# ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

JAN 17 1919

APR - 2 1920

## FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 524

SITUATED IN THE **Coronado** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 6, unsurveyed, Township 23 S., Range 18 E.,

of the

**Gila and Salt River Base** and Meridian.

State of

**ARIZONA**

Applicant for listing **Bud Baldwin,**

Residence **Mowry, Arizona**

Application No. **412,** , dated **June 17, 1915,** , 19 15

List No. **3-3616,** , dated **July 1,** , 19 15

Applicant for survey **Bud Baldwin,**

Residence **Mowry, Arizona**

H. E. No. **028423** , dated **October 30,** , 19 15,

**Office**

Land ~~District~~ **Phoenix, Arizona.**

Survey executed by **C. A. Long,**

**Surveyor-Forest Service,**  
[Forest Service Title]

Under special instructions dated

**March 28, 1917,**

Survey commenced

**May 8, 1917,**

Survey completed

**May 9, 1917,**

Under Acts of **June 11, 1906 and August 11, 1916.**

54

OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **524**, 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  
the oaths to Assistants;  
hence, they were taken  
by the Surveyor.

*W. H. Washburn*  
-----  
Chainman

*W. H. Washburn*  
-----  
Chainman

Subscribed and sworn to before me this **9th** day of  
**May**, 1917 .

*C. A. Long*  
-----  
Surveyor-Forest Service,  
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OATH OF SURVEYOR

I, **C. A. Long,** 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**, 1917, 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

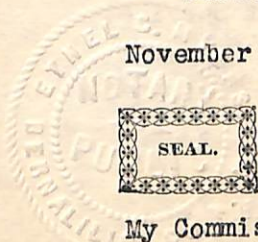
**List**, No. **3-3616**, dated **July 1**, 1915, for  
**Patent**, under the Act of **June 11**, 1906,  
the same to be known as Homestead Entry Survey No. **524**,  
situated within the **Coronado** National Forest, in  
**Un surveyed Section 6**, Township **23 S.**, Range **18 E.**, and  
**surveyed Section**, Township, Range,

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  
survey.

*C. A. Long*  
-----  
Surveyor - Forest Service  
[Forest Service Title.]

Subscribed and sworn to before me this **eighteenth** day of  
**November**, 1918.

*E. H. Myers*  
-----  
Notary Public



8-2349

My Commission Expires March 17, 1921.

Coronado NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, Bud Baldwin; Application No. 412,  
dated June 17, 1915; List No. 3-3616, dated July 1,  
1915; H. E. 028423 made in the Phoenix Land Office on  
October 30, 1915, by Bud Baldwin.

Surveyed under special instructions from the Surveyor  
General for Arizona, dated March 28, 1917, and desig-  
nated as Homestead Entry Survey No. 524.

Situated in what will probably be when surveyed Sec. 6,  
T. 23 S., R. 18 E., Gila and Salt River Base and Mer-  
idian, within the Coronado National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and August 11,  
1916.

Survey commenced May 8, 1917, and executed with a Buff  
and Buff transit No. 10530, 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 8, 1917.

At Cor. H-1 of the list Survey, hereinafter described,  
at 6h. 53.7m. P.M. l.m.t. I observe Polaris with  
telescope direct, reading an angle of 20° 26' from  
star to right to a reference mark three miles distant.  
Latitude 31° 27' 45" N. Longitude 110° 33' 48" W.  
from Nogales quadrangle U.S.G.S.

Greenwich m.t. U.C. Polaris May 8, 1917 10h. 26.7m. a.m.

Correction for Longitude 1.2m.

l.m.t. U.C. Polaris	May 8, 1917	10h. 25.5m.
		+ 12h. 00.0m
Astron. l.m.t. U.C. Pol.	May 7, 1917	22h. 25.5m.
Astron. l.m.t. of obsn.	May 7, 1917	30h. 53.7
Hour angle		8h. 28.2m.

Chains Azimuth of Polaris at observation 1° 02' 05" W.  
 Bearing of reference mark: N. 19° 22' 57" E.  
 At the same station at 6h. 55.7m. p.m. 1.m.t. I again  
 observe Polaris with telescope, reading angle of  
 20° 25' 30" from star to right to the same reference  
 mark.  
 Astron. 1.m.t. U.C. Polaris May 7, 1917; 22h. 25.5m.  
 Astron. 1.m.t. of obsn. May 7, 1917; 30h. 55.7m.  
 Hour angle 8h. 30.2m.  
 Azimuth of Polaris at observation 1° 02' 40" W.  
 Bearing of reference mark, N. 19° 22' 50" E.  
 The two observations give a mean bearing of reference  
 mark of N. 19° 22' 54" E. and from the corresponding  
 meridian all the courses of this survey were deflected.

May 9, 1917. Retracements

Beginning at the 1/4 sec. cor. bet. secs. 1 and 6, T.  
 23 S., Rs. 17 and 18 E., which is a sandstone 6 x 8  
 x 10 ins. above ground, firmly set, marked and wit-  
 nessed as described by the Surveyor General.

Thence South

Retracing line bet. secs. 1 and 6, S 1/2.

40.10 Intersect the cor. to secs. 1, 6, 7 and 12 which is a  
 sandstone 8 x 6 x 12 ins. above ground, firmly set,  
 marked and Witnessed as described by the Surveyor Gen-  
 eral.

Thence North,

On a true line,

35.09 The proportionate point for cor. of the claim, set temp.  
 point.

40.10 The 1/4 cor. heretofore described.

Thence North

Retracing line bet. secs. 1 and 6, N. 1/2.

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains  
40.05

Intersect the cor. to Tps. 22 and 23 S., Ranges 17 and 18 E., which is a sandstone 6 x 10 x 10 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.

Thence South

On a true line

35.05

The proportionate point for a corner of the claim, set temp. point.

40.05

The 1/4 sec. cor. and place of beginning.

BOUNDARIES OF CLAIM

May 9, 1917.

Beginning at Cor. No. 1

Deposit a sandstone 2 x 6 x 6 ins. marked with a + 12 ins. in the ground, over which set a Porphyry stone 12 x 16 x 22 ins. (No larger stone available), chiseled + for the point and 1 H E S 524 on SE face; and C.C. on NE face, raise a mound of stone 4 ft. base 3 ft. high NE of cor., whence:

A black oak 30 ins. dia. bears N. 35° 45' E.

93 links dist.

A black oak 14 ins. dia. bears N. 72° 25' W.,

58 links dist.

Each blazed and scribed C.C. 1 H E S + 524 B.T.

The 1/4 cor. bet. secs. 1 and 6, heretofore described bears South 5.00 chains dist.

Cor. H-1 of the list survey, which is a Granite stone 6 x 10 x 14 ins. above ground, marked and witnessed as described by the Forest Service, bears South 3 lks. dist. I destroy all trace of this list corner.

The observed magnetic declination at 3 p.m. is 12° 00' E., which corrected for diurnal change gives a mean magnetic variation of 12° 02' E.

Latitude 31° 27' 45" N., Longitude 110° 33' 48" W. from

HOMESTEAD ENTRY SURVEY NO. 524

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains	Nogales quadrangle U.S.G.S.
	Thence N. 54° 26' E.
	Ascend 30 feet to cor. over bottom land through dense oak brush.
2.50	Wash, 15 links wide, course S. 20° 00' W.,
9.00	Wash, 30 links wide, course S. 20° 00' W.,
19.50	Same wash, course S. 70° 00' W.
20.50	Foot of bank.
21.80	Top of bank.
21.91	To Corner No. 2.
	Identical with cor. H-2 of the list survey, which is a Granite stone 8 x 8 x 18 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list corner.
	Deposit a Porphyry stone 3 x 4 x 7 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 1917 on S. rim and 2 H E S 524 on side facing the claim.
	Raise a mound of stone 4 ft. base 3 ft. high S. of cor.
	Whence:
	A black oak 12 ins. dia. bears S. 45° 15' W.,
	44 links distant.
	A black oak 8 ins. dia. bears S. 68° 35' E.,
	44 links distant.
	Each blazed, and scribed 2 H E S + 524 B T.
	Thence East,
	Over gently rolling table land through dense oak brush.
6.20	Descend 25 feet into draw.
7.00	Bottom of descent, wash 20 links wide, course SW. Ascend 40 ft. to cor. over W. slope.
10.00	Wire fence bears N. and S.
14.79	To cor. No. 3.
	Deposit a porphyry stone 3 x 3 x 5 ins., marked with a

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

+ 24 ins. in the ground over which set an iron post  
2 ins. dia., 36 ins. long, with Brass cap, marked 1917  
on S. and 3 H E S 524 on SW quadrant.

Raise a mound of stone 4 ft. base 3 ft. high SW of cor.  
whence:

A black oak 14 ins. dia. bears S. 43° 15' W.,

14 lks. dist.

A black oak, 8 ins. dia., bears N. 86° 50' E.,

25 links dist.

Each blazed and scribed 3 H E S + 524 B.T.

Cor. H-3 of the list survey, which is a Granite stone  
3 x 8 x 12 ins. above ground, marked and witnessed as  
described by the Forest Service, bears South 6 lks.  
dist. I destroy all trace of this list cor.

Thence South.

Descend 25 feet to cor. over gradual S. slope, through  
dense oak brush.

7.50 Wash 20 lks. wide, course S., 70° 00' W.

Bottom of descent, thence over bottom land.

9.94 To cor. No. 4.

Deposit a Porphyry stone 3 x 3 x 5 ins., marked with a  
+ 14 ins. in the ground, over which set a Porphyry  
stone 10 x 12 x 24 ins. chiseled + for the point and  
4 H E S 524 on NW face; raise a mound of stone 4 ft.  
base 3 ft. high NW of cor. whence:

A black oak 20 ins. dia. bears N. 17° 25' E.,

26 links distant.

A black oak 6 ins. dia. bears N. 68° 15' W.,

45 links distant.

Each blazed and scribed 4 H E S + 524 B. T.

Cor. H-4 of the list survey, which is a Granite stone  
6 x 14 x 16 ins. above ground, marked and witnessed



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CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains as described by the Forest Service, bears East 3 lks. dist. I destroy all trace of this list corner.

Thence S. 68° 32' W.

Over bottom land through dense oak brush, along S. side of wire fence.

4.00 Leave bottom land, ascend 40 ft. over steep N. slope.

5.80 Top of ridge bears NW and SE.

Descend 75 ft. to cor. over rolling land. Cross to N. side of wire fence.

12.80 Draw, course N. 60° 00' W.

21.00 Draw, course NW.

25.00 Draw, course NW

33.75 Begin steep descent of W. slope

35.03 To cor. No. 5, and C. C. on line bet. secs. 1 and 6,

Deposit a Porphyry stone 3 x 3 x 6 ins. marked with a + 12 ins. in the ground, over which set a Porphyry stone 16 x 18 x 22 ins. (no larger stone available), chiseled + for the point and 5 H E S 524 on N E face; and C C on side facing the closing line; raise a mound of stone 4 ft. base 3 ft. high N. 68° 32' E. of cor., whence:

A black oak 16 ins. dia. bears N. 32° 00' E., 38 lks. dist.

A black oak 18 ins. dia. bears N. 46° 55' W., 7 1/2 lks. dist.

Each blazed and scribed C C 5 H E S + 524 B T. 1/4 cor. bet. secs. 1 and 6, heretofore described, bears North 5.01 chains dist.

Cor. to secs. 1, 6, 7 and 12 heretofore described, bears South 35.09 chains dist.

Cor. H-5 of the list survey, which is a Granite stone 6 x 8 x 18 ins. above ground, marked and witnessed as

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

described by the Forest Service, bears West 1 link dist.  
I destroy all trace of this list corner.

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Thence North.

Along line bet. secs. 1 and 6.

Descend 10 ft. over foot of N. slope, through dense oak brush.

3.50 Bottom of descent. Ascend 10 ft. to cor. over gradual S. slope.

5.01 1/4 cor. bet. secs. 1 and 6, heretofore described.

5.65 dim road bears N.E. and SW.

8.25 Wash, 15 links wide, course S W.

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

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AREA

Total area, 41.95 acres

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IMPROVEMENTS

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

A wind mill over a drilled well 205 feet deep, the center of which bears N. 55° 43' W., 8.60 chains distant from Corner No. 4.

value - - - - - \$600.00

A tent house 12 x 12 feet, course of long side, east and west, the SE. cor. of which bears N. 59° 43' W., 7.50 chains distant from Corner No. 4.

value . . . . . \$ 50.00

A pole corral 100 x 100 feet, course of sides east and west, the SE cor. of which bears N. 45° 30' W., 8.00 chains distant from Corner No. 4.

Value . . . . . \$ 50.00

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains

One mile of barbed wire fence,  
Value . . . . . \$100.00  
Total value of improvements . . . . . \$800.00

DESCRIPTION

This claim is located in a narrow draw, draining S. W. The entire area is covered with a dense growth of scrub oak and oak brush, there is no merchantable timber on the claim. The soil is a brown sandy loam, second rate, none of which is under cultivation. Water for all domestic purposes and for watering about 100 head of cattle is obtained from a drilled well on the claim. There is no evidence of mineral on the claim.

Conflicts and Adjoining Claims.

There are no conflicts. This survey is joined on the west by legal subdivision portion of claimant's entry more particularly described as follows: S/2 S/2 SE/4 NE/4, N/2 NE/4 SE/4, and N/2 SW/4 NE/4 SE/4, Sec. 1, T. 23 S., R. 17 E.

Mowry, Arizona, postoffice is about ten miles in a westerly direction. Patagonia, the nearest railway Station is 18 miles in a northwesterly direction and is reached by fairly good wagon road.

TRAVERSE

Course	Dist.	N.	S.	E.	W.
N. 54° 26' E.	21.91	12.74		17.82	
E.	14.79			14.79	
S.	9.94		9.94		
S. 68° 32' W.	35.03		12.82		32.60
N.	10.01	10.01			
	91.68	22.75	22.76	32.61	32.60
			22.75	32.60	
Error in Lat. and Dep.			.01	.01	

Closing error 1:6485

Survey completed May 9, 1917.

*W. H. King*  
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. 524, STATE OF ARIZONA

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1-2	N.54° 26' E.	21.91	12 74		17 82		17 82	227 03			
2-3	East	14.79			14 79		50 43				
3-4	South	9.94		9 94			65 22			648 29	
4-5	S.68° 32' W.	35.03		12 82		32 60	32 61			417 73	
5-1	North	10.01	10 01								
		91.68	22 75	22 76	32 61	32 60		227 03		1066 02	
	Error in Lat. and Dep.		01			01				227 03	
	Closing Error	1:6483	<sup>22 75</sup>	<sup>22 75</sup>	<sup>32 61</sup>	<sup>32 61</sup>				2/838 99	
										419 49	
											41.95 acres.

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APPROVAL

Office of the United States Surveyor General,

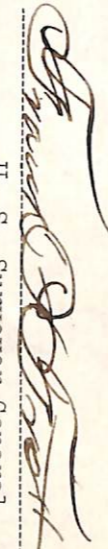
Phoenix, Arizona, April 10, 1920

The foregoing field notes of Homestead Entry Survey No.

524

executed by *C. A. Long, Surveyor* [Forest Service Title 1]

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.