

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 297.

SITUATED IN THE **CORONADO** NATIONAL FOREST  
ADMINISTRATIVE DISTRICT NO. 3.

In Section 7 , unsurveyed, Township 24 S., Range 19 E.

In Section 18 , unsurveyed, Township 24 S., Range 19 E.

In Section 8 , unsurveyed, Township 24 S., Range 19 E.

and of the

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

State of

**ARIZONA.**

*Inspection report  
herein*

Applicant for listing	<b>Edward McFarlane,</b>
Residence	<b>Parker Canyon, Arizona.</b>
Application No. <b>214</b>	, dated <b>June 6</b> , 19 <b>12.</b>
List No. <b>3-2552</b>	, dated <b>May 26</b> , 19 <b>13.</b>

Applicant for survey	<b>Edward McFarlane,</b>
Residence	<b>Parker Canyon, Arizona.</b>
H. E. No. <b>024893</b>	, dated <b>April 25</b> , 19 <b>14.</b>
Land District <b>Phoenix, Arizona.</b>	

Survey executed by <b>Charles D. Hodson, Surveyor - Draftsman.</b>	[Forest Service Title.]
Under special instructions dated <b>October 17</b>	, 19 <b>14.</b>
Survey commenced <b>February 18</b>	, 19 <b>15.</b>
Survey completed <b>February 20</b>	, 19 <b>15.</b>

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

111  
DEC 21 1915

MAR 17 1918

MAR 21 1918



117

OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **297**, 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.

*Ed Baecht* Chairman.  
*W. J. Robertson* Chairman.

Subscribed and sworn to before me this *first* day of  
*March*, 1915.

*Charles D. Hodson*  
Surveyor - Draftsman.

OATH OF SURVEYOR

I, **Charles D. Hodson,** **Surveyor - Draftsman,**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**October 17**, 1914, 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. 3-2552, dated May 26, 1913, and a tract  
of land upon the application of Edward McFarlane,

Application, No. **214**, dated **June 6**, 1912, for  
Patent, under the Act of **June 11**, 1906,  
the same to be known as Homestead Entry Survey No. **297**,  
situated within the **GORONADO** National Forest, in  
**unsurveyed Section 7**, Township **24 S.**, Range **19 E.**, and  
**unsurveyed Section 18**, Township **24 S.**, Range **19 E.**,  
**unsurveyed Section 8**, Township **24 S.**, Range **19 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.

*Charles D. Hodson*  
Surveyor - Draftsman.  
[Forest Service Title.]

Subscribed and sworn to before me this *3<sup>rd</sup>* day of  
*March*, 1915.



*My commission expires Sept 24, 1916*

*Maudie L. Bowen*  
Notary Public



Coronado NATIONAL FOREST

STATE OF ARIZONA.

Chains Applicant for listing, Edward McFarlane, Application No. 214 dated June 6, 1912; List No. 3-2552, dated May 26, 1913; Serial No. 024893, made in the Phoenix Land Office on April 25, 1914 by Edward McFarlane.

Also a tract of unlisted land adjoining claimant's entry was included in this survey. The land is agricultural in character, was desired by the entryman, and will be listed as a basis for amendment of his H. E. No. 024893, Application No. 214 dated June 6, 1912.

Surveyed under special instructions from the Surveyor General for Arizona dated October 17, 1914, and designated as Homestead Entry Survey No. 297.

Located in unsurveyed T. 24 S., R. 19 E., G. and S. R. B. and Meridian, in what will probably be when surveyed Secs. 7 and 18, and 8.

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

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Survey commenced February 18, 1915 and executed with a Buff and Buff Forest Service transit No. 9700-6 with full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count on the verniers of the vertical circle.

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

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

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All courses are true and are referred to the meridian established at the cor. to secs. 12 and 13, T. 24 S., R. 19 E., and 7 and 18, T. 24 S., R. 19 E., which was established by me by direct solar observation on



Chains

February 20, 1915, in connection with H. E. S. 296,  
Alister M. Macnab.

February 18, 1915.

Beginning at cor. No. 1.

Identical with cor. H-6 of the list survey, a granite stone 8 x 4 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a diorite stone, 24 x 8 x 8 ins., 14 ins. in the ground, over a small stone marked with a cross, marked (+) at the point and 1-HES297 on the side facing the claim. No bearings available, therefore dig pits, 24 x 24 x 12 ins., N. 1° 33' E. and N. 89° 34' E., 7 ft. dist. from cor., and raise a mound of stone covered with earth, 5 ft. base, 2-1/2 ft. high within the claim, 4 ft. dist. from cor.

Monument No. 106 on the International Boundary bears S. 16° 21' W., approximately 1-1/2 miles dist.

Cor. No. 6, H. E. S. 296, bears S. 1° 35' W., 23.74 chs. dist.

Cor. to secs. 7, 12, 13 and 18, which is also cor.

No. 1 of H. E. S. No. 296, a limestone 8 x 6 x 10 ins. above ground, marked and witnessed as described in the field notes of H. E. S. No. 296, bears N. 83° 27' W., 40.29 chs. dist. by direct measurement.

Mag. decl. at 8 h. 0 m. a.m., 1.m.t., 13° 30' E.

Mean mag. decl., 13° 29' E.

Lat. 31° 21' 08" N., Long. 110° 27' 30" W., obtained from special instructions from the Surveyor General and later verified.



## CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains	Thence N. 1° 35' E.
	Along line 6-5 of H. E. S. 296. Over Campini Mesa.
2.86	Edge of mesa. Descend 105 ft. over NW. slope.
3.31	Fence cor., 5 lks. W.; fences bear N. and SW.
14.86	Foot of hill. Enter level agricultural land.
16.86	Fence, bears N. 10° E. and S. 10° W.
16.90	Fence cor., 2 lks. E., fence bears N. 10° E., S. 10° W. and E.
21.96	Creek, 80 lks. wide, banks 2 ft. high, course W. Con- tinue over level agricultural land.
24.85	Fence, bears NE. and SW., cor. 4 lks. E.
24.86	To cor. No. 2. Identical with cor. H-1 of the list survey, which is a granite stone 8 x 4 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. At this point I previously established cor. No. 5 of H. E. S. 296, which is a limestone 18 x 10 x 10 ins. above ground, marked (+) at point and 5-HES296 on SW. face. I mark same stone 2-HES297 on SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high within claim, 3-1/2 ft. dist. from cor., from which: A black oak, 14 ins. dia., blazed and scribed 5 H E S 296 2 H E S 297 + B T, bears N. 76° 00' E., 168 lks. dist. A white oak, 6 ins. dia., blazed and scribed 5 H E S 296 2 H E S 297 + B T, bears N. 25° 05' W., 53 lks. dist.
	Thence N. 78° 34' E.
	Ascend 5 ft. along foot of bank.
11.98	To cor. No. 3. Identical with cor. H-2 of the list survey, a granite



CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains stone 12 x 4 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a diorite stone 26 x 10 x 6 ins.; 16 ins. in the ground, over a small stone marked with a cross, chiseled (+) at the point and 3-HES297 on the side facing the claim; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high, within the claim, 3-1/2 ft. dist. from the cor., whence:

A black oak, 6 ins. dia., blazed and scribed  
3 H E S 297 + B T, bears N. 54° 30' E.,  
99 lks. dist.

A black oak, 14 ins. dia., blazed and scribed,  
3 H E S 297 + B T, bears N. 68° 15' W.,  
70 lks. dist.

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Thence N. 43° 52' E.  
Enter unlisted land. Ascend 5 ft.

5.00 Foot of hill. Ascend 10 ft.

8.20 Enter mesa.

17.00 Leave mesa. Descend 5 ft. through scrub oak.

20.46 To cor. No. 4.

Set a diorite stone 24 x 8' x 8 ins., 14 ins. in the ground over a small stone marked with a cross, chiseled (+) at the point and 4-HES297 on the side facing the claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high within the claim, 3-1/2 ft. dist. from cor., whence:

A black oak, 10 ins. dia., blazed and scribed  
4 H E S 297 + B T, bears N. 50° 58' W.,  
52 lks. dist.

A black oak, 14 ins. dia., blazed and scribed  
4 H E S 297 + B T, bears S. 89° 26' E.,  
53 lks. dist.



CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains Cor. H-3, which is a granite stone 4 x 4 x 10 ins. above ground bears S. 33° 07' E., 2.10 chs. dist. I destroy all trace of this list cor.

Thence N. 22° 30' E.

Descend 5 ft. along E. slope through scrub oak.

6.10 Enter bottom land. Ascend 5 ft.

27.41 To cor. No. 5.

Set a diorite stone 26 x 16 x 6 ins., 16 ins. in the ground over a small stone marked with a cross, chiseled (+) at the point and 5-HES297 on the side facing the claim; and raise a mound of stone, 2 ft. base, 1-1/2 ft. high within the claim, 3-1/2 ft. dist. from cor., whence:

A black oak, 24 ins. dia., blazed and scribed 5 H E S 297 + B T bears S. 5° 21' W., 1.74 chs. dist.

A black oak, 24 ins. dia., blazed and scribed 5 H E S 297 + B T bears S. 87° 45' E., 1.83 chs. dist.

Thence N. 89° 34' E.

Over bottom land.

3.50 To cor. No. 6.

Identical with cor. H-4 of the list survey, a granite stone 6 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor., and at this point I set a diorite stone 36 x 12 x 12 ins., 20 ins. in the ground, over a small stone marked with a cross and surrounded by a mound of stone 6 ft. base, 1 ft. high. I chisel this stone (+) at the point and 6-HES297 on the side facing the claim; and raise a mound of stone, 2 ft.



Chains

base, 1-1/2 ft. high within the claim, 3-1/2 ft. dist. from the cor., whence:

A black oak, 28 ins. dia., blazed and scribed

6 H E S 297 + B T bears N. 41° 55' E., 1.91 chs. dist.

A black oak, 14 ins. dia., blazed and scribed

6 H E S 297 + B T bears N. 75° 45' W., 1.38 chs. dist.

Cor. H-1 of list No. 3-2387 bears N. 14° 07' E., 9.00 chs. dist.

Thence S. 0° 28' W.

Over listed land. Descend 10 ft. over agricultural land in comparatively level bottom.

2.30 Creek, 30 lks. wide, banks 2 ft. high, course W. Continue over level bottom.

18.70 Foot of NW. slope. Fence cor. 10 lks. W., fence bears N. and SW. Ascend 115 ft. through scrub oak. Leave timber.

32.60 Enter Campini Mesa. Slopes SW. Descend 10 ft.

67.06 To cor. No. 7.

Identical with cor. H-5 of the list survey, a granite stone 8 x 8 x 6 ins. above ground, marked as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a diorite stone, 24 x 8 x 8 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled (+) at the point and 7-HES297 on the side facing the claim. No bearings available, therefore dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of stone covered with earth, 5 ft. base, 2-1/2 ft. high within the claim, 4 ft. dist. The East stack of two stacks at Cananea, Mexico



CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

bears S. 16° 31' E.

Monument No. 106 on the International Boundary

bears S. 33° 51' W., approximately 1-3/4  
miles dist.

Thence S. 89° 34' W.

Descend 5 ft. over open and nearly level mesa.

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

Area.

Area listed land	150.08 Acres.
Area unlisted land	<u>8.86</u> Acres.
Total Area	158.94 Acres.

Improvements.

A tent, 16 x 14 ft., the long side of which bears N. and  
S., and the NW. cor. of which bears S. 45° 00' E.,  
6.90 chs. dist. from cor. No. 2.

Value \$50.00

Approximately 1-3/4 miles of wire fence.

Value \$150.00

Description.

This claim comprises both bottom and mesa land. The  
bottom land is a sandy loam and is well adapted to  
orcharding and the raising of corn and hay, while the  
mesa land will grow any of the dry farm products. At  
the time of survey there was no land under cultiva-  
tion, but I saw new farm implements upon the ground,  
which the claimant said he would use this year.  
This is not a mineralized section and I saw no indica-  
tion of mineral on the ground.



HOMESTEAD ENTRY SURVEY NO. 297.

CORONADO NATIONAL FOREST

STATE OF ARIZONA.

Chains

Conflicts and Adjoining Claims.

There are no conflicts. The claim is joined on the West by the claim of Alister M. Macnab, Serial 024894, H. E. S. No. 296. Parker Canyon post-office is 4-1/2 miles northwesterly. Patagonia, the nearest railroad station in the United States, is 32-1/2 miles by wagon road in a northwesterly direction. List 3-2387 lies a few chains northeast of this claim.

Traverse.

Cor.	Course	Dist	N.	S.	E.	W.
1-2	N. 1° 35' E.	24.86	24.85		.69	
2-3	N. 78° 34' E.	11.98	2.37		11.74	
3-4	N. 43° 52' E.	20.46	14.75		14.18	
4-5	N. 22° 30' E.	27.41	25.32		10.49	
5-6	N. 89° 34' E.	3.50	.03		3.50	
6-7	S. 0° 28' W.	67.06		67.06		.55
7-1	S. 89° 34' W.	40.07		.30		40.07
		195.34	67.32	67.36	40.60	40.62
			67.32		40.60	
	Error in Lat. and Dep.			.04		.04
	Closing Error, 1:4368.					
	February 20, 1915.					

*Charles D Hodson*

Surveyor - Draftsman.







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. 297, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.	N.	S.	N.	S.	N.	S.
2 - 3	N. 78° 34' E	11.98	2 37		11 74		13 12	31 09				
H2-H3	N. 49° 23' E	20.01	13 03		15 19		40 05	521 85				
H3-6	N. 25° 37' E	30.02	27 07		12 98		68 22	1847 40				
6 - 7	S. 0° 28' W	67.06	67 06	07			80 66			5407	45	
7 - 1	S. 89° 34' W	40.07	37 30		40 07		40 06			11	62	
1 - 2	N. 1° 35' E	24.86	24 85		69		69	17 15				
		194.00	67 32	67 36	40 60	40 62		2417 49		5419	07	
			67 33	67 33	40 60	40 60				2417	49	
										20)3001	58	
										150	08	



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Entry Surveys - Coronado  
Inspections.  
McFarlane, Edwards, H. E. S. No. 297

Original survey by Charles D. Hodson, surveyor - Draftsman.

Inspection by C. A. Long, Surveyor Forest Service.

1. Inspection was begun May 25, 1917 and completed May 25, 1917.  
The case is a metes and bounds survey situated in unsurveyed Secs. 7, 8 and 18, T. 24 S., R. 19 E., G. and S. R. B. and M., Coronado National Forest, Arizona.
2. The transit used was a Buff and Buff light Mountain. Bearings of lines referred by angulation to azimuth determined by obsn. of Polaris on May 16, 1917 in connection with the survey of H. E. S. 534.
3. The lands included in the survey are properly listable from viewpoint of status and classification.
4. No overlap or hiatus exist.
5. This claim is situated in an unsurveyed township and the position of the corners do not depend upon the public land survey. The survey is sufficiently simple to include a small tract of arable land along the NW. bdy.
6. The corners were of good material and were well set - Corners and witnesses properly marked.
7. The position of the corners does not depend upon subdivisions and is believed to be correct.
8. See tables attached.



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- 9. No field corrections were necessary.
- 10. It is recommended that line 1-2 be changed from N. 1°33' E. 24.86 to N. 1° 35' E. 24.85 to agree with the change made in H. E S. 296, change accepted by Surveyor. With the exception of line 5-6 which is a short line the survey is within the inspection limits as given in Circular of May 24, 1914, and it is therefore recommended that the survey be accepted.

APPROVED BY

(Sgd.) C. A. Long

MAY 29 1918

APPROVED

MAY 29 1918

Surveyor  
1918

Forest Service.

MAY 9 1918

*E. N. Kavanagh*

Acting District Forester



DIRECTIONS.—1. Carry out calculations to two decimals only.  
 2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink.  
 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. 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.  
 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. 297, STATE OF ARIZONA, DIV. VI, MOUNTAIN

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	N. 1° 35' E.	Area Traverse Original Survey 24.85	67	67	11	13	67	16	65	
4-5	N. 78° 34' E.	11.98	2	57	14	39	08	51	00	
3-4	N. 43° 52' E.	20.46	14	75	10	49	00	575	85	
4-5	N. 22° 30' E.	27.41	25	52	3	59	63	1613	01	
5-6	N. 69° 34' E.	3.50	03	03	04	04	77	2	33	
6-7	S. 0° 23' W.	67.06	67	06	55	80	65	5406	75	
7-1	S. 69° 34' W.	40.07	30	39	40	07	40	11	62	
		195.34	67	36	40	58		2238	24	
			67	33	40	59		5180	16	
								159	01	ACRES
	CLOSING ERROR 1:3433							Area		
	N. 1° 35' E.	24.85	Area Traverse submitted with Returns	69	69	13	69	17	15	
	N. 78° 34' E.	11.98	2	57	11	74	13	31	09	
	N. 43° 52' E.	20.46	14	75	14	18	39	575	84	
	N. 22° 30' E.	27.41	25	52	10	49	63	1613	77	
	N. 69° 34' E.	3.50	03	03	3	59	77	2	33	
	S. 0° 23' W.	67.06	67	06	55	80	66	5407	45	
	S. 69° 34' W.	40.07	30	39	40	07	40	11	62	
		195.34	67	36	40	60		2240	18	
			67	33	40	60		2240	18	
			67	33	40	60		2045178	39	
								1.58	34	

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APPROVAL

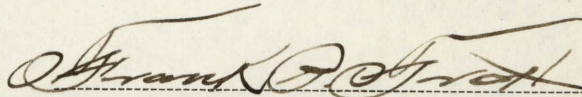
Office of the United States Surveyor General,

Phoenix, Arizona, March 21, , 1918.

The foregoing field notes of Homestead Entry Survey No.

297

executed by **Charles D. Hodson, Surveyor-Draftsman,** [Forest Service Title.]  
under his special instructions, dated **October 17,** , 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.