

ORIGINAL

OCT. 23 1918

95

**U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE**

OCT-2 1916
NOV-3-1917

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 296.

SITUATED IN THE **CORONADO** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3.

In Section 12 , --surveyed, Township 24 S., Range 18 E.

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

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

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA.

See # 291 for inspection report

Applicant for listing

Alister M. Macnab,

Residence

Parker Canyon, Arizona.

Application No. 215
Supp'l. List No. 3-2530
List No. 3-2530

, dated June 6 , 1912.
, dated November 13 , 1914
, dated May 12 , 1913.

Applicant for survey

Alister M. Macnab,

Residence

Parker Canyon, Arizona.

H. E. No. 024894 , dated April 29 , 1914.
Office

Land District Phoenix, Arizona.

Survey executed by **Charles D. Hodson, Surveyor - Draftsman.**
[Forest Service Title.]

Under special instructions dated **October 17** , 1914.

Survey commenced **February 17** , 1915.

Survey completed **February 20** , 1915.

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

1.0

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. **296**, 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.

CG Baecht Chainman.
St. J. Roberts Chainman.

Subscribed and sworn to before me this *first* day of
March, 19*15*.
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. 3-2530, dated May 12, 1913, and November 13,
 1914; also a tract of land upon the application of A. M. Macnab,

Application, No. 215, dated **June 6**, 1912, for
Patent, under the Act of **June 11**, 1906,
 the same to be known as Homestead Entry Survey No. **296**,
 situated within the **CORONADO** National Forest, in
 --surveyed Section **12**, Township **24 S.**, Range **18 E.**, and
 unsurveyed Section **7**, Township **24 S.**, Range **19 E.**, and
 unsurveyed Section **18**, 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 *3rd* day of
March, 19*15*.

SEAL. My commission expires April 26, 1916.
 8-2349

Maudie L. Bowen
 Notary Public

CORONADO NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, A. M. Macnab; Application No. 215, dated June 6, 1912; List No. 3-2530, dated May 12, 1913 and November 13, 1914; Serial No. 024894, made in the Phoenix Land Office on April 29, 1914, by Alister M. Macnab.

Also a small tract of unlisted land adjoining claimant's entry was included in this survey. The land is agricultural in character, was desired by entryman and will be listed as a basis for amendment of H. E. No. 024894. Surveyed under special instructions from the Surveyor General for Arizona, dated October 17, 1914 and designated as Homestead Entry Survey No. 296.

Situated in surveyed section 12, T. 24 S., R. 18 E., and unsurveyed sections 7 and 18, T. 24 S., R. 19 E., Gila and Salt River Base and Meridian, within the Coronado National Forest, Arizona.

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

Survey commenced February 17, 1915 and executed with a Buff and Buff Forest Service transit No. 9700-6, with vertical circle. The horizontal limb has two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the vernier on the vertical circle.

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.

February 20, 1915.

At the cor. of secs. 12 and 13, T. 24 S., R. 19 E. and

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Chains
 secs. 7 and 18, T. 24 S., R. 19 E., which is also cor. No. 1 of this survey, I observe the altitude of the sun for azimuth. The reading on the reference object was set at zero and the sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time, Lat. $31^{\circ} 21' 12''$ N., Long. $110^{\circ} 28' W.$; from the special instructions from the Surveyor General.

	Position Telescope	l. m. t.	Horizontal Angle	Vertical Angle
(1)	Direct	8h. 48m. 30s.	$56^{\circ} 54' 00''$	$25^{\circ} 24' 00''$
	Reversed	8h. 49m. 31s.	$57^{\circ} 18' 30''$	$25^{\circ} 03' 00''$
	Mean	8h. 49m. 00s.	$57^{\circ} 06' 15''$	$25^{\circ} 13' 30''$
Bearing of reference object, S. $0^{\circ} 26' 31''$ E.				
(2)	Direct	8h. 50m. 28s.	$56^{\circ} 33' 00''$	$25^{\circ} 44' 30''$
	Reversed	8h. 51m. 16s.	$56^{\circ} 59' 00''$	$25^{\circ} 20' 00''$
	Mean	8h. 50m. 52s.	$56^{\circ} 46' 00''$	$25^{\circ} 32' 15''$
Bearing of reference object, S. $0^{\circ} 27' 30''$ E.				
The mean of the two observations is S. $0^{\circ} 27'$ E.				

February 20, 1915.

At 1h. 00m. p.m., l.m.t., I lay off $0^{\circ} 27'$ to the right of the reference object and mark the meridian thus determined by a nail driven in a stake set 10.00 chs. S. of my station, and to the meridian thus determined all the courses of this survey are referred.

RETRACEMENTS

February 17, 1915.

The cor. to secs. 7, 12, 13 and 18 being obliterated, and the one bearing tree given in the field notes of said cor. being destroyed, I commence at the $1/4$ sec. cor. bet. secs. 13 and 18, a sandstone $8 \times 4 \times 6$ ins. above ground, marked and witnessed as described by the

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Chains	<p>Surveyor General. A flag at the 1/4 sec. cor. bet. secs. 7 and 12, is plainly visible.</p> <p>Thence N. 0° 09' W.</p> <p>On a true line bet. secs. 13 and 18.</p> <p>40.00 Set temporary point for cor. secs. 7, 12, 13 and 18.</p> <p>Continue bet. secs. 7 and 12.</p> <p>80.20 Intersect the 1/4 sec. cor. bet. secs. 7 and 12, a sandstone 8 x 6 x 8 ins. above ground, marked and witnessed as described by the Surveyor General.</p>
	<p>Thence S. 0° 09' E.</p> <p>On a true line.</p> <p>40.10 Set a temporary point at true point for cor. to secs. 7, 12, 13 and 18.</p>
	<p>Thence West.</p> <p>On a random line bet. secs. 12 and 13.</p> <p>40.22 Fall 7 lks. N. of the 1/4 sec. cor. bet. secs. 12 and 13, a sandstone 10 x 6 x 10 ins. above ground, marked 1/4 S on N. face, with mound of stone 2 ft. base, 1-1/2 ft. high N. of cor., whence:</p> <p>A black oak, 24 ins. dia., blazed and scribed 1/4 S 13 B T, bears S. 47° 50' E., 33 lks. dist.</p>
	<p>Thence N. 89° 54' E.</p> <p>On a true line bet. secs. 12 and 13.</p> <p>40.22 Intersect point for location of cor. to secs. 7, 12, 13 and 18, and what will be cor. No. 1 of this survey.</p>
	<p>BOUNDARIES OF CLAIM</p> <p>Beginning at cor. No. 1.</p> <p>Identical with cor. to secs. 7, 12, 13 and 18. I set a limestone 24 x 8 x 6 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled (+)</p>

HOMESTEAD ENTRY SURVEY NO. 296

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Chains	<p>at the point, with two notches on North edge and 4 notches on South edge, and 1 - H E S 296 on side facing the claim; and raise a mound of stone 3 ft. base, 2 ft. high West of cor., whence:</p> <p style="padding-left: 40px;">A black oak, 6 ins. dia., blazed and scribed</p> <p style="padding-left: 80px;">Sec 12 + 1 H E S 296 + B T, bears N. 8° 16' W., 356 lks. dist.</p> <p>Mag. decl. at 10h. 00m. a.m., l.m.t., 13° 29' E. Mean mag. decl., 13° 26' 48" E.</p> <p>Lat. 31° 21' 12" N., Long. 110° 28' W., obtained from special instructions from the Surveyor General. <u>and later verified</u></p> <p>Thence S. 89° 54' W.</p> <p>On line bet. secs. 12 and 13, over unlisted land.</p> <p>0.20 Road bears N. and S.</p> <p>4.00 Fence bears N. 85° W. and S. 85° E.</p> <p style="padding-left: 40px;">Enter cultivated land.</p> <p>8.04 To cor. No. 2 and C. C. on line bet. secs. 12 and 13.</p> <p style="padding-left: 40px;">Set a diorite stone 26 x 18 x 6 ins., 20 ins. in the ground, over a small stone marked with a cross, chiseled (+) at the point, C C on NE. face and 2 - H E S 296 on side facing the claim; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. 53° 15' E., 3-1/2 ft. dist. from cor., whence:</p> <p style="padding-left: 80px;">A willow, 6 ins. dia., blazed and scribed</p> <p style="padding-left: 120px;">2 H E S 296 + B T, bears N. 8° 45' E., 115 lks. dist.</p> <p style="padding-left: 80px;">A sycamore, 12 ins. dia., blazed and scribed</p> <p style="padding-left: 120px;">2 H E S 296 + BT, bears N. 36° 25' W., 78 lks. dist.</p> <p style="padding-left: 40px;">Cor. common to secs. 7, 12, 13 and 18, heretofore described, bears N. 89° 54' E., 8.04 chs. dist.</p> <p style="padding-left: 40px;">1/4 cor. bet. secs. 12 and 13, heretofore described, bears S. 89° 54' W., 32.18 chs. dist.</p>
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STATE OF ARIZONA

Chains Thence N. 53° 15' E.

0.10 Fence bears E. and W.

0.25 Road, bears E. and W. Cross flat near S. bank of creek.

10.03 To cor. No. 3 and C. C. on line bet. secs. 12 and 7,
Rs. 18 and 19 E.

Identical with cor. H-1 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 this list cor. and at this point I set a limestone 24 x 16 x 8 ins., 14 ins. in the ground, over a small stone marked with a +, chiseled (+) at the point, C C on SW. face and 3 - H E S 296 on the side facing the claim; and raise a mound of stone 3 ft. base, 2 ft. high S. 53° 04' W., 3-1/2 ft. dist. from cor., whence:

A black oak, 6 ins. dia., blazed and scribed
3 H E S 296 + B T, bears S. 80° 22' E.,
75 lks. dist.

A willow, 8 ins. dia., blazed and scribed
3 H E S 296 + B T, bears S. 60° 55' W.,
19 lks. dist.

Cor. to secs. 7, 12, 13 and 18, heretofore described, bears S. 0° 09' E., 6.00 chs. dist.

1/4 sec. cor. bet. secs. 7 and 12, heretofore described, bears N. 0° 09' W., 34.10 chs. dist.

Thence N. 80° 44' E.

Enter listed land. Ascend 5 ft. along S. bank of creek.

20.00 Creek, 100 lks. wide, banks 2 ft. high, course NW.

21.88 To cor. No. 4.

Identical with cor. H-2 of the list survey, a granite stone 8 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 set a lime-

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Chains	<p>stone 24 x 16 x 6 ins., 14 ins. in the ground, over a small stone marked with a +, chiseled (+) at the point and 4 - H E S 296 on 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:</p> <p>A black oak, 24 ins. dia., blazed and scribed 4 H E S 296 + B T, bears N. 41° 45' E., 97 lks. dist.</p> <p>A black oak, 6 ins. dia., blazed and scribed 4 H E S 296 + B T, bears N. 49° 22' W., 94 lks. dist.</p> <hr/> <p>Thence N. 61° 00' E.</p> <p>Ascend 5 ft. along foot of steep bank.</p> <p>12.30 Dry wash, 100 lks. wide, banks 1 ft. high, course S.</p> <p>Ascend 10 ft.</p> <p>21.50 Top of ascent. Descend 5 ft.</p> <p>22.05 To cor. No. 5.</p> <p>Identical with cor. H-3 of the list survey, and cor. H-1, Serial 024893, Edward McFarlane, H. E. S. No. 297, 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. which refers to this claim, and at this point I set a limestone 24 x 18 x 10 ins., 14 ins. in the ground, over a small stone marked with a +, chiseled (+) at the point and 5 - H E S 296 on 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:</p> <p>A black oak, 14 ins. dia., blazed and scribed 5 H E S 296 + B T, bears N. 76° 00' E., 168 lks. dist.</p> <p>A white oak, 6 ins. dia., blazed and scribed 5 H E S 296 + B T, bears N. 25° 05' W.,</p>
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Chains	53 lks. dist.
	<hr/> <p>Thence S. 1° 35' W.</p> <p>Along line H-3 to H-4 of the list survey.</p>
0.01	Fence bears NE. and SW., cor. 4 lks. E.
2.10	Creek, 80 lks. wide, banks 2 ft. high, course W. Continue over agricultural land.
8.00	Fence bears N. 10° E. and S. 10° W.
10.00	Foot of NW. slope. Ascend 105 ft.
21.55	Cor. fence, 5 lks. W., fence bears N. and SW.
22.00	Top of hill. Enter Campini Mesa, slopes SW.
24.86	Cor. H-6, Serial 024893, Edward McFarlane. Descend 10 ft.
48.60	To cor. No. 6.
	<p>Identical with cor. H-4 of the list survey, a granite stone 6 x 4 x 6 ins. above ground, marked as described by the Forest Service. I destroy all trace of this list cor. and at this point I set a sandstone 28 x 16 x 8 ins., 18 ins. in the ground, over a small stone marked with a +, chiseled (+) at the point and 6 - H E S 296 on 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 ft. high within the claim, 3-1/2 ft. dist. from the cor.</p>
	<hr/> <p>Thence N. 89° 26' W.</p> <p>Descend 10 ft. over grassy mesa.</p>
0.90	Road bears NW. and SE.
39.42	To cor. No. 7 and C. C. on line bet. secs. 13 and 18.
	<p>Identical with cor. H-5 of the list survey, a granite stone 10 x 6 x 8 ins. above ground, marked as described by the Forest Service. I destroy all trace of this list cor. and at this point set a sandstone 24 x 8 x 8</p>

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Chains ins., 14 ins. in the ground, over a small stone marked with a +, chiseled (+) at the point, C C on the E. face and 7 - H E S 296 on the side facing the claim. No bearings available, therefore dig pits 30 x 24 x 12 ins. crosswise on each line, N. and S., 4 ft. and S. 89° 26' E., 8 ft. dist., and raise a mound of stone covered with earth, 6 ft. base, 2-1/2 ft. high S. 89° 26' E. of cor., whence:

Cor. to secs. 7, 12, 13 and 18, heretofore described, bears N. 0° 09' W., 28.00 chs. dist.

1/4 sec. cor. bet. secs. 13 and 18, heretofore described, bears S. 0° 09' E., 12.10 chs. dist.

Thence N. 0°09' W.

Over level mesa.

7.40 Edge of mesa. Descend 50 ft.

16.00 Foot of hill. Enter bench; descend 10 ft. over bench.

20.00 Leave bench. Descend 30 ft.

21.90 Foot of hill. Enter bottom.

23.65 Enter road, bears N. and SE. Fence cor. 25 lks. East.

27.50 Leave road, bears NW. and S.

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

AREA

Area unlisted land (Sec. 12, surveyed - - - - - 2.42 acres
 Area listed land (Secs. 18 and 19 unsurveyed) 157.23 acres
 Total Area - - - - - 159.65 acres

IMPROVEMENTS

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

A well with pump, 4 ft. dia. by 25 ft. deep, the center of which bears N. 3° 00' E.; 2.44 chs. dist. from cor. No.1.

Value ----- \$175.00

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Chains. An adobe store house, 20 x 12 ft., the long side of which bears E. and W., the SW. cor. of which bears N. 47° 35' E., 4.40 chs. dist. from cor. No. 1.

Value ----- \$100.00

An adobe dwelling, 44 x 16 ft., the long side of which bears E. and W. and the SW. cor. of which bears N. 59° 45' E., 3.50 chs. dist. from cor. No. 1.

Value ----- \$600.00

Approximately 1-1/2 miles of wire fence.

Value ----- \$120.00

DESCRIPTION

This claim is situated on bottom and mesa land of excellent quality at an elevation of approximately 5200 ft. The slopes are rocky and non-agricultural, but make exceptionally fine grazing land. The mesa land, which comprises approximately one-half of the area, is adapted to the growing of dry farm products. The bottom land, which is sub-irrigated, is well adapted to orcharding, and a tract of approximately 11 acres is used for this purpose, which is the only land under cultivation at the time of survey.

This is not a mineralized section, and I saw no indications of mineral upon the claim.

CONFLICTS AND ADJOINING CLAIMS

This claim is joined on the East by the homestead of Edward McFarlane, Serial 024893, H. E. S. 297, and on the SW. by patented land of Colin Cameron.

Parker Canyon post office is 5 miles Northwesterly.

Patagonia, the nearest railroad station in the United States, is 32 miles by wagon road in a Northwesterly direction.

HOMESTEAD ENTRY SURVEY NO. 296

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STATE OF ARIZONA

Chains

TRAVERSES

Section 12, Surveyed

Cor.	Course	Dist.	N	S	E	W
1-2	S. 89° 54' W.	8.04		0.01		8.04
2-3	N. 53° 15' E.	10.03	6.00		8.04	
3-1	S. 0° 09' E.	6.00		6.00	0.02	
			24.07	6.00	6.01	8.06
				6.00	8.04	8.04
Error in Lat. and Dep.				.01	.02	
Closing error, 1: ¹⁰⁷⁴ 2010.						

Sections 7 and 18, Unsurveyed.

Cor.	Course	Dist.	N	S	E	W
3-4	N. 80° 44' E.	21.88	3.52		21.59	
4-5	N. 61° 00' E.	22.05	10.69		19.29	
5-6	S. 1° 35' W.	48.60		48.58		1.34
6-7	N. 89° 26' W.	39.42	0.39			39.42
7-1	N. 0° 09' W.	28.00	28.00			0.07
1-3	N. 0° 09' W.	6.00	6.00			0.02
			165.95	48.60	48.58	40.88
			48.58		40.85	40.85
Error in Lat. and Dep.				.02	.03	

Closing error, 1:4609.

Survey completed February 20, 1915.

Charles D. Hooker

Surveyor - Draftsman

DIRECTIONS.—1. Carry out calculation 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.
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.

TABLE AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 296, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.		N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	S. 89° 54' W.	8.04		0 01		8 04	8 05		0 08	
2-3	N. 53° 15' E.	10.03	6 00		8 04		8 03	48 26		
3-1	S. 0° 09' E.	6.00		6 00	0 02		16 08		96 48	
		24.07	6 00	6 01	8 06	8 04		48 26	96 56	
	Closing error, 1:1010	1074	6 01	6 01	8 05	8 05			48 26	
									48 30	
									2 42 Acres	
3-4	N. 80° 44' E.	21.88			21 59		21 59	76 00		
4-5	N. 61° 00' E.	22.05	10 69		19 29		62 47	667 80		
5-6	S. 1° 35' W.	48.60		48 58		1 34	80 40		3906 64	
6-7	N. 89° 26' W.	39.42	0 39		39 42	39 42	39 61	15 05		
7-1	N. 0° 09' W.	28.00	28 00		0 07	0 07	0 11	3 08		
1-3	N. 0° 09' W.	6.00	6 00		0 02	0 02	0 02	0 12		
		165.95	48 60	48 58	40 88	40 85		762 05	3906 64	
			48 59	48 59	40 88	40 88			762 05	
									3144 59	
	Closing error, 1:4609								157 23 Acres.	

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APPROVAL

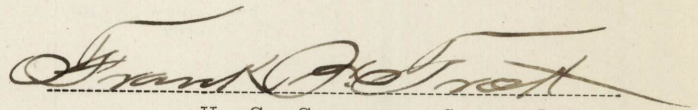
Office of the United States Surveyor General,

Phoenix, Arizona, March 21, , 1918.

The foregoing field notes of Homestead Entry Survey No.

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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.