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149 JUN 13 1922
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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

ORIGINAL

HOMESTEAD ENTRY SURVEY NO. 616

SITUATED IN THE APACHE NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

(See 1)

In Section 1 , un-surveyed, Township 4 N., Range 29 E.

In Section 2 , un-surveyed, Township 4 N., Range 29 E.

In Section 36 , un-surveyed, Township 4½ N., Range 29 E.

and

Establishment of U.S.L.M. 616 H.E.S.

of the

GILA AND SALT RIVER BASE AND Meridian.

State of

ARIZONA

Applicant for listing

Residence

Application No. , dated , 19

List No. , dated , 19

Applicant for survey

Residence

H. E. No. , dated , 19

Land Office Phoenix, Arizona.

Survey executed by Thomas F. Myers, Surveyor - Forest Service

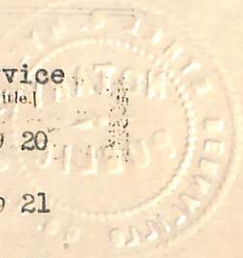
[Forest Service Title]

Under special instructions dated May 17 , 19 20

Survey commenced June 2 , 19 21

Survey completed June 5 , 19 21

Under Acts of June 11, 1906, and May 31, 1920



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OATH OF ASSISTANTS

We hereby certify that we assisted **Thomas F. Myers**
Surveyor - Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **616**, 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.

EB Lackie

Cal Morris

Subscribed and sworn to before me this **Sec nd** day of
June, 19**21**.

Thomas F. Myers

Surveyor - Forest Service

OATH OF SURVEYOR

I, **Thomas F. Myers,** **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
May 17, 19**20**, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land **under the cooperative plan**

, No. , dated , 19 , for
Listing and Patent, under the Act of **June 11**, 19**06**,
the same to be known as Homestead Entry Survey No. **616**,
situated within the **APACHE** National Forest, in
un-surveyed Section **1**, Township **4 N.**, Range **29 E.**, and
un-surveyed Section **2**, Township **4¹/₂ N.**, Range **29 E.** and
un-surveyed Section **36**, Township **4¹/₂ N.**, Range **29 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

Thomas F. Myers

Surveyor - Forest Service.

[Forest Service Title.]

Subscribed and sworn to before me this **5th** day of
April, 19**22**.

Ethel H. Myers

Notary Public



8-2349

My comm. expires April 12, 1925.

HOMESTEAD ENTRY SURVEY NO. 616

APACHE NATIONAL FOREST

STATE OF ARIZONA

1.

Chains

An unlisted tract of land, surveyed under the cooperative plan as a basis for listing and patent.

Surveyed under special instructions from the Surveyor General for Arizona, dated May 17, 1920, and designated as Homestead Entry Survey No. 616.

Situated in what will probably be Secs. 1 and 2, T. 4 N. R. 29 E., and Sec. 36, T. 4-1/2 N., R. 29 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906, and May 31, 1920.

Survey commenced June 2, 1921, 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.

June 2, 1921.

At my station near Cor. No. 2 of this survey, in Lat. 33°42'48" N., Long. 109°17'48" W. from Forest Service Base Map, I observe Polaris with telescope direct at 8h. 37m. 36s. p.m. l.m.t., reading an angle of 0°04'30" from star to left to a reference mark about 1/2 mile distant.

Greenwich mt. U. C. Polaris, June 2, 1921,	8h. 51.0m. a.m.
Corr. for Long.	<u>1.2</u>

l.m.t. U. C. Polaris, June 2, 1921,	8h. 49.8m. a.m.
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l.m.t. obsn. Polaris, June 2, 1921,	<u>8h. 37.6m. p.m.</u>
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Hour Angle	11h. 47.8m.
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Chains

Azimuth of Polaris $0^{\circ}03'36''$ W.

Bearing of reference mark N. $0^{\circ}08'06''$ W.

At the same station at 8h. 39m. 53s. p.m. l.m.t., I again observe Polaris with telescope reversed, reading an angle of $0^{\circ}05'$ from star to left to same reference mark.

l.m.t. U. C. Polaris, June 2, 1921, 8h. 49.8m. a.m.

l.m.t. obsn. Polaris, June 2, 1921, 8h. 39.9m. p.m.

Hour Angle 11h. 50.1m.

Azimuth of Polaris $0^{\circ}02'48''$ W.

Bearing of reference mark N. $0^{\circ}07'48''$ W.

Mean bearing of reference mark is N. $0^{\circ}07'57''$ W. I accept bearing of reference mark as N. $0^{\circ}08'$ W., and from the corresponding meridian all the courses of this survey were deflected by sustained angulation.

June 2, 1921.

June 3, 1921, worked on H.E.S. 573.

ESTABLISHMENT OF U.S.L.M. 616 H.E.S.

June 4, 1921.

There being no public land corners or U. S. Location Monuments within prescribed limits to which this survey could be tied, I establish U. S. Location Monument No. 616 H.E.S. as follows:

On the SW. slope of a small ridge between Beaver Creek on the NE. and Willow Creek on the SW. about 3 chs. easterly from Willow Creek. I chisel + for the point and USLM 616 HES on W. face of an embedded malpais boulder, showing 35x26x16 ins. above ground, and raise a mound of stone 6 ft. base 5 ft. high NW. of Monument, whence:

A pine 10 ins. dia. brs. S. $66^{\circ}38'$ E. 192 lks.

Chains

A pine 8 ins. dia. brs. N. $45^{\circ}16'$ E. 65 lks.

A pine 8 ins. dia. brs. N. $53^{\circ}21'$ E. 78 lks.

A pine 15 ins. dia. brs. N. $9^{\circ}13'$ W. 270 lks.

Each blazed and scribed USLM 616 HES + BT.

The Cor. of Secs. 24 and 25 on the E. boundary of

T. 4 N. R. 28 E., a lava stone 10x5x10 ins.

above ground, marked + on top, 2 notches on S.

and 4 notches on N. edges, with mound of stone

W. of Cor. bears S. $81^{\circ}21'18''$ W. 236.17 chs.

dist. by traverse which appears at the end of

these notes.

USLM No. 504 HES., a lava bluff 6x6x8 ft. above

ground, marked + USLM 504 HES on top, with

mound of stone 11 ft. base 9 ft. high W. of

Monument, witnessed as described in the field

notes of HES. 504, bears S. $65^{\circ}45'33''$ E. 190.34

chs. dist. by traverse which appears at the end

of these notes.

Note: The tie from USLM 504 HES to Cor. Secs. 24 and 25 on E. boundary of T. 4 N., R. 28 E., as recorded in the field notes of HES 504, was found to be slightly in error, by reason of the ties run by me in connection with this and subsequent surveys which afford a closed traverse by using claim lines involved as of record.

BOUNDARIES OF CLAIM

June 4, 1921.

Beginning at Cor. No. 1 at corner of fence. Fence bears S. $41^{\circ}37'$ E. and S. 72° W.

Identical with Cor. No. 5 of HES 573 (established by me on June 3, 1921), a malpais stone 16x8x10 ins.
573

above ground, marked + on top and 5 HES on SE. face.

I chisel same stone 1 HES 616 on NW. face for Cor. No.

4.

Chains 1 of this survey, and raise a mound of stone 2 ft. base 1-1/2 ft. high NW. of Cor.
 No witnesses available, pits impracticable.
 USLM 616 HES, previously described bears N. 36°19' W. 21.79 chs. by direct measurement.
 Lat. 33°42'54" N., Long. 109°17'36" W. from Forest Service Base Map.
 Mag. decl. at 8 a.m. is 14°45' E. Mean mag. decl. is 14°41' E.
 Thence S. 72°51' W.
 Along line 5-4 of HES. 573, over open land, fence outside of line.
 8.15 Willow Creek, 5 lks. wide 1 in. deep, course NW.
 16.90 To Cor. No. 2.
 Identical with Cor. No. 4 of HES. 573 (established by me on June 3, 1921), a malpais stone 18x12x10 ins. above ground, marked + on top and 4 HES. 573 on SE. face. I chisel same stone 2 HES 616 on N. face for Cor. No. 2 of this survey, and raise a mound of stone 2 ft. base 1-1/2 ft. high N. of Cor., whence:
 A pine 16 ins. dia. brs. N. 60°50' W. 220 lks.
 A pine 24 ins. dia brs. S. 70°20' W. 141 lks.
 Each blazed and scribed 2 HES 616 and 4 HES 573 + BT.

 Thence N. 27°33' W.
 Over level land through edge of pine timber.
 .30 Road, bears NNE.
 17.50 Road, bears E. and W.
 18.46 To Cor. No. 3.
 Deposit a malpais stone 4x4x4 ins. marked with a + 14 ins. in the ground, over which set a malpais stone 24x18x15 ins., chiseled + for the point and 3 HES 616 on NE. face; raise a mound of stone 2 ft. base 1-1/2 ft. high NE. of Cor., whence:

Chains

A pine 18 ins. dia. brs. S. 71°52' W. 138 lks.

A pine 12 ins. dia. brs. S. 38°45' E. 229 lks.

Each blazed and scribed 3' HES 616 + BT.

Thence S. 87°38' W.

Over open level land.

1.20 Road, bears SE. and NW.

6.50 Road, bears NNE. and SSW.

6.80 Enter edge of pine timber.

10.00 Leave timber, thence over open land.

15.20 Arroyo, 15 lks. wide, 2 ft. deep, course N.

25.77 To Cor. No. 4.

Deposit a malpais stone 6x4x2 ins., marked with a +
15 ins. in the ground, over which set a malpais stone
24x14x6 ins., chiseled + for the point and 4 HES 616
on NW face; raise a mound of stone 2 ft. base 1-1/2
ft. high NW. of Cor., whence:

A pine 18 ins. dia. brs. S. 78°28' W. 69 lks.

A pine 14 ins. dia. brs. S. 41°08' E. 25 lks.

Each blazed and scribed 4' HES 616 + BT.

June 4, 1921.

June 5, 1921.

Thence S. 25°09' W.

Over gently rolling land.

7.50 Arroyo 30 lks. wide 5 ft. deep, course NW.

16.82 To Cor. No. 5.

Deposit a malpais stone 6x6x6 ins. marked with a +
14 ins. in the ground, over which set a malpais stone
24x16x4 ins. chiseled + for the point and 5 HES 616
on N. face; raise a mound of stone 2 ft. base 1-1/2 ft.
high N. of Cor., whence:

A pine 16 ins. dia. brs. S. 9°35' W. 60 lks.

A pine 14 ins. dia. brs. S. 25°32' W. 95 lks.

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HOMESTEAD ENTRY SURVEY NO. 616

6.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Each blazed and scribed 5 HES 616 + BT.

Thence N. 37°53' W.

Over gently rolling open land.

2.00 Arroyo, 10 lks. wide, 2 ft. deep, course N.

2.60 Arroyo, 10 lks. wide, 2 ft. deep, course NNE.

20.01 To Cor. No. 6, on E. boundary of HES 483, under fence bearing N. 39°57' E. and S. 39°57' W.

Deposit a malpais stone 6x4x3 ins. marked with a + 14 ins. in the ground, over which set a malpais stone 24x10x6 ins., chiseled + for the point and 6 HES 616 on E. face; raise a mound of stone 2 ft. base 1-1/2 ft. high E. of Cor.

No witnesses in limits, pits impracticable.

Cor. No. 6 of HES 483, a lava stone 8x8x10 ins. above ground, marked + on top and 6 HES 483 on N. face bears S. 39°57' W. 17.96 chs. dist. by direct measurement.

Cor. No. 5 of HES 483, a lava stone 8x10x10 ins. above ground, marked + on top and 5 HES 483 on W. face bears N. 39°57' E. 24.98 chs. by direct measurement.

Cor. No. 5 of HES 480, which is also Cor. No. 9 of HES 482, and 2 of HES 483, a lava stone 14x10x10 ins. above ground, marked + on top 5 HES 480 on WSW., 9 HES 482 on N., and 2 HES 483 on E. faces, bears N. 48°02' 57" W. 42.01 chs. dist. by traverse which appears at the end of these notes.

Cor. No. 4 of HES 596, which is also Cor. No. 1 of HES 480, a lava stone 10x8x10 ins. above ground, marked + on top and 4 HES 596 on W. face and 1 HES 480 on E. face, bears N. 81°02'47" W. 91.41 chs. dist. by traverse which appears at the end of these notes.

Cor. No. 8 of HES 603, also Cor. No. 1 of HES 596, a malpais stone 18x7x8 ins. above ground, marked + on

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Chains

top, 8 HES 603 on NW and 1 HES 596 on NE. faces, bears S. 89°09'26" W. 133.95 chs. dist. by traverse which appears at the end of these notes.

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Thence N. 39°57' E.

Along line 6 to 5 of HES 483, over open rolling land, fence on line.

10.12 Fence corner. Fences bear NW. and N. 40° E.

20.00 Arroyo 15 lks. wide 12 ft. deep, course NW.

24.98 To Cor. No. 7.

Identical with Cor. No. 5 of HES 483, a lava stone 8x10x10 ins, above ground, marked + on top and 5 HES 483 on W. face. I chisel same stone 7 HES 616 on SE. face for Cor. No. 7 of this survey.

No witnesses available, pits impracticable.

Thence N. 70°07' E.

Over rolling land.

.06 Fence bears N. 40° E.

4.60 Arroyo, 5 lks. wide 1 ft deep, course NW.

5.80 Road bears NW. and SE. Descend gradually 20 ft. over E. slope.

19.15 Willow Creek, running water 5 lks. wide 1 in. deep, course NW. Bottom of descent. Ascend rocky SW. slope 30 ft.

22.45 To Cor. No. 8.

Deposit a malpais stone 5x3x2 ins., marked with a + 14 ins. in the ground, over which set a malpais stone 24x8x8 ins., chiseled + for the point and 8 HES 616 on S. face; raise a mound of stone 2 ft. base 1-1/2 ft. high S. of Cor., whence:

A pine 20 ins. dia. brs. S. 84°51' E. 127 lks.

8.

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains	. A pine 30 ins. dia. brs. N. 38°05' W. 135 lks. Each blazed and scribed 8 HES 616 + BT.
	Thence S. 40°57' E. Descend 30 ft. over rolling rocky SW. slope.
5.00	Bottom of descent, thence over level open land.
49.60	Road bears E. and W.
49.97	To Cor. No. 1, the place of beginning.

AREA

Total area - - - - - 133.81 acres.

IMPROVEMENTS

There are no improvements on this claim.

DESCRIPTION

The claim is comprised mainly of open land along Willow Creek. The soil is a dark, sandy loam and on the major portion of the claim is of good depth. On a considerable portion of the area, however, the surface is strewn with malpais boulders.

There is no water on the claim for irrigation. Water for domestic use may be obtained from Willow Creek, which traverses the claim from SE. to NW.

There is no timber of commercial value on the claim. I saw no indication of mineral on the claim.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts. The claim is joined on the SE. by HES 573, line 4 to 5 thereof being identical with line 1 to 2 of this survey. HES. 483 joins on the NW. HES. 480 lies about 1/2 mile to West. HES. 482 lies about 1/2 mile to NW. HES. 504 lies about

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains 1/2 mile in an easterly direction. HES. 596 lies about 1 mile to West. HES. 603 lies about 1-1/2 miles to West, and HES. 593, surveyed by me on June 6 and 7, 1921, lies about 1 mile to SE.

Espero, Arizona, the nearest postoffice, lies about 1 mile to SE. Alpine, Arizona, the nearest settlement and trading point, lies about 15 miles distant in a northeasterly direction by trail. Springerville, Arizona, the general trading point for this section of the country, lies about 35 miles distant in a northerly direction and is reached by fair wagon road.

TRAVERSES.

Course	Dist.	N.	S.	E.	W.
S. 72° 51' W.	16.90		4.98		16.15
N. 27° 33' W.	18.46	16.37			8.54
S. 87° 38' W.	25.77		1.06		25.75
S. 25° 09' W.	16.82		15.23		7.15
N. 37° 53' W.	20.01	15.79			12.29
N. 39° 57' E.	24.98	19.15		16.04	
N. 70° 07' E.	22.45	7.64		21.11	
S. 40° 57' E.	49.97		37.74	32.75	
	195.36	58.95	59.01	69.90	69.88

Error in Lat. and Dep. 06 02

Closing Error 1/3091

THE U.S.L.M. 616 H.E.S. to U.S.L.M. 504 H.E.S.

Course	Dist.	N.	S.	E.	W.
N. 79° 36' W.	3.29	.59			3.24
S. 41° 40' E.	24.30		18.15	16.15	
S. 41° 35' E.	39.97		29.90	26.53	
S. 26° 09' E.	24.29		21.80	10.71	
S. 50° 27' E.	7.05		4.49	5.44	
S. 89° 35' E.	5.29		.04	5.29	
S. 84° 54' E.	28.30		2.52	28.19	
S. 79° 59' E.	31.80		5.53	31.32	
S. 18° 50' E.	30.72		29.08	9.92	
N. 76° 37' E.	14.57	3.37		14.17	
S. 62° 41' E.	3.63		1.67	3.23	
N. 67° 48' E.	12.58	4.75		11.65	
N. 3° 12' W.	7.30	7.29			.41
N. 14° 40' W.	7.39	7.15			1.87
N. 24° 43' E.	3.04	2.76		1.27	
N. 79° 13' E.	16.44	3.08		16.15	
N. 8° 49' W.	6.11	6.04			.94
		35.03	113.18	180.02	6.46

Resultant Course S. 65° 45' 33" E. 190.34 chs.

APACHE NATIONAL FOREST

10.

STATE OF ARIZONA

Chains

TIE COR. 6/616 to COR. 8/603 and 1/596

Course	Dist.	N.	S.	E.	W.
S. 80° 25' E.	29.90		4.98	29.48	
N. 53° 06' E.	23.32	14.00		18.65	
N. 32° 04' W.	8.47	7.18			4.50
N. 89° 22' E.	20.00	.22		20.00	
S. 78° 32' E.	14.50		2.88	14.21	
N. 81° 50' E.	18.12	2.57		17.94	
N. 32° 56' E.	5.21	4.37		2.83	
S. 57° 30' E.	11.03		5.93	9.30	
S. 28° 49' E.	30.07		26.35	14.49	
N. 39° 57' E.	17.96	13.77		11.53	
		42.11	40.14	138.43	4.50
		40.14		4.50	
		1.97		133.93	

Resultant Course S. 89° 09' 26" W. 133.95 chs.

TIE COR. 6/616 to COR. 4/596 and 1/480

Course	Dist.	N.	S.	E.	W.
N. 89° 22' E.	20.00	.22		20.00	
S. 78° 32' E.	14.50		2.88	14.21	
N. 81° 50' E.	18.12	2.57		17.94	
N. 32° 56' E.	5.21	4.37		2.83	
S. 57° 30' E.	11.03		5.93	9.30	
S. 28° 49' E.	30.07		26.35	14.49	
N. 39° 57' E.	17.96	13.77		11.53	
	116.89	20.93	35.16	90.30	
			20.93		
			14.23		

Resultant Course N. 81° 02' 47" W. 91.41 chs.

TIE COR. 6/616 to COR. 2/483, 5/480 and 9/482

Course	Dist.	N.	S.	E.	W.
S. 23° 05' W.	10.40		9.57		4.08
S. 57° 30' E.	11.03		5.93	9.30	
S. 28° 49' E.	30.07		26.35	14.49	
N. 39° 57' E.	17.96	13.77		11.53	
		13.77	41.85	35.32	4.08
			13.77	4.08	
			28.08	31.24	

Resultant Course N. 48° 02' 57" W. 42.01 chs.

Chains

TIE FROM U.S.L.M. 616 H.E.S. TO COR. SECS. 24 & 25

On E. Boundary T. 4 N., R. 28 E.

Course	Dist.	N.	S.	E.	W.
N.79°36'W.	3.29	.59			3.24
N.40°16'W.	25.66	19.58			16.59
S.70°07'W.	22.45		7.64		21.11
S.39°57'W.	42.94		32.92		27.57
N.28°49'W.	30.07	26.35			14.49
N.57°30'W.	11.03	5.93			9.30
S.32°56'W.	5.21		4.37		2.83
S.81°50'W.	18.12		2.57		17.94
N.78°32'W.	14.50	2.88			14.21
S.89°22'W.	20.00		.22		20.00
S.32°04'E.	8.47		7.18	4.50	
S.53°06'W.	23.32		14.00		18.65
N.80°25'W.	29.90	4.98			29.48
S.44°25'W.	25.02		17.87		17.51
N.88°35'W.	25.01	.62			25.00
S. 0°26'W.	9.66		9.66		.07
		60.93	96.43	4.50	237.99
			60.93		4.50
			35.50		233.49

Resultant Course S. 81°21'18" W. 236.17 chs.

TIE U.S.L.M. 504 H.E.S. to COR. SECS. 24 & 25 on

E. Boundary T. 4 N., R. 28 E.

Course	Dist.	N.	S.	E.	W.
N.65°43'33"W.	190.34	78.15			173.56
S.81°21'18"W.	236.17		35.50		233.49
		78.15	35.50		407.05
		35.50			
		42.65			

Resultant Course N. 84°01'07" W. 409.38 chs.

Johnson's Tie N.83°17'03" W. 410.19 (as of record in H.E.S. 504).

Survey completed June 5, 1921.

Thomas J. Myers
Surveyor - Forest Service.

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HOMESTEAD ENTRY SURVEY NO. 1000

SECTION 10 NATIONAL FOREST

STATE OF CALIFORNIA

Chains

00.00	00.00	00.00	00.00	00.00	00.00
01.00	01.00	01.00	01.00	01.00	01.00
02.00	02.00	02.00	02.00	02.00	02.00
03.00	03.00	03.00	03.00	03.00	03.00
04.00	04.00	04.00	04.00	04.00	04.00
05.00	05.00	05.00	05.00	05.00	05.00
06.00	06.00	06.00	06.00	06.00	06.00
07.00	07.00	07.00	07.00	07.00	07.00
08.00	08.00	08.00	08.00	08.00	08.00
09.00	09.00	09.00	09.00	09.00	09.00
10.00	10.00	10.00	10.00	10.00	10.00
11.00	11.00	11.00	11.00	11.00	11.00
12.00	12.00	12.00	12.00	12.00	12.00
13.00	13.00	13.00	13.00	13.00	13.00
14.00	14.00	14.00	14.00	14.00	14.00
15.00	15.00	15.00	15.00	15.00	15.00
16.00	16.00	16.00	16.00	16.00	16.00
17.00	17.00	17.00	17.00	17.00	17.00
18.00	18.00	18.00	18.00	18.00	18.00
19.00	19.00	19.00	19.00	19.00	19.00
20.00	20.00	20.00	20.00	20.00	20.00
21.00	21.00	21.00	21.00	21.00	21.00
22.00	22.00	22.00	22.00	22.00	22.00
23.00	23.00	23.00	23.00	23.00	23.00
24.00	24.00	24.00	24.00	24.00	24.00
25.00	25.00	25.00	25.00	25.00	25.00
26.00	26.00	26.00	26.00	26.00	26.00
27.00	27.00	27.00	27.00	27.00	27.00
28.00	28.00	28.00	28.00	28.00	28.00
29.00	29.00	29.00	29.00	29.00	29.00
30.00	30.00	30.00	30.00	30.00	30.00
31.00	31.00	31.00	31.00	31.00	31.00
32.00	32.00	32.00	32.00	32.00	32.00
33.00	33.00	33.00	33.00	33.00	33.00
34.00	34.00	34.00	34.00	34.00	34.00
35.00	35.00	35.00	35.00	35.00	35.00
36.00	36.00	36.00	36.00	36.00	36.00
37.00	37.00	37.00	37.00	37.00	37.00
38.00	38.00	38.00	38.00	38.00	38.00
39.00	39.00	39.00	39.00	39.00	39.00
40.00	40.00	40.00	40.00	40.00	40.00
41.00	41.00	41.00	41.00	41.00	41.00
42.00	42.00	42.00	42.00	42.00	42.00
43.00	43.00	43.00	43.00	43.00	43.00
44.00	44.00	44.00	44.00	44.00	44.00
45.00	45.00	45.00	45.00	45.00	45.00
46.00	46.00	46.00	46.00	46.00	46.00
47.00	47.00	47.00	47.00	47.00	47.00
48.00	48.00	48.00	48.00	48.00	48.00
49.00	49.00	49.00	49.00	49.00	49.00
50.00	50.00	50.00	50.00	50.00	50.00

- 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. 616, STATE OF ARIZONA

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.		S. AREAS.	
			NORTH.	SOUTH.	EAST.	WEST.					
1 - 2	S. 72°51' W.	16.90		4 98		16 15	123 63			615 68	
2 - 3	N. 27°33' W.	18.46	16 37			8 54	98 94	1619 65			
3 - 4	S. 87°38' W.	25.77		1 06		25 75	64 64			67 87	
4 - 5	S. 25°09' W.	16.82		15 23		7 15	31 73			483 25	
5 - 6	N. 37°53' W.	20.01	15 79			12 29	12 29	194 18			
6 - 7	N. 39°57' E.	24.98	19 15		16 04		16 04	307 33			
7 - 8	N. 70°07' E.	22.45	7 64		21 11		53 19	406 90			
8 - 1	S. 40°57' E.	49.97		37 74	32 75		107 04	4037 55		4037 55	
		195.36	58 95	59 01	69 90	69 88		2528 06		5204 35	
Error in Lat. & Dep.			06			02				2528 06	
Closing Error 1/3091										20/ 2676 29	
										133 81	
Tie Cor. 1 to USLM 616	N 36°19' W	21.79	17 54			12 91					
USLM 616-USLM 504	S 65°45'33" E	190.34		78 15	173 56						
USLM 504-Cor 1-573	N 77°06'40" W	137.59	30 69			134 12					
Line 1-5 573	N 41° 35' W	39.97	29 90			26 56					
			78 13			173 59					

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, Dec. 12, 1922

The foregoing field notes of Homestead Entry Survey No.

616

executed by *Thomas F. Myers, Surveyor* [Forest Service Title.]
under his special instructions, dated *May 17*, 1920, 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.