

MAR 2-1917

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

413

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 413

SITUATED IN THE TONTO NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 26 , unsurveyed, Township 4 N., Range 7 E.

In Section 27 , unsurveyed, Township 4 N., Range 7 E.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing Miguel Romo, ✓
 Residence McDowell, Arizona
 Application No. 256 ✓ , dated February 2 , 1911 ✓
 List No. 3-1352 ✓ , dated June 20 , 1911 ✓

Applicant for survey Miguel Romo, ✓
 Residence McDowell, Arizona
 H. E. No. 022803 ✓ , dated June 21 , 1913
 Office ~~District~~ Phoenix, Arizona

Survey executed by Walter G. Turley, Surveyor - Forest Service
 [Forest Service Title.]
 Under special instructions dated September 23 , 1915 ✓
 Survey commenced February 1 , 1916
 Survey completed February 2 , 1916
 Under Acts of June 11, 1906 and March 4 , 1915 ✓

OATH OF ASSISTANTS

We hereby certify that we assisted **Walter G. Turley,**
Surveyor - Forest Service in surveying all those
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **413**, 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.

Charles H. Baechle, Chairman
Ferry D. Lewis, Chairman

Subscribed and sworn to before me this *twenty eighth* day of
March, 19*16*. *Walter G. Turley*
Surveyor, Forest Service

OATH OF SURVEYOR

I, **Walter G. Turley,** **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
September 23, 1915, 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. **3-1352**, dated **June 20**, 1911, for
Patent, under the Act of **June 11**, 1906,
the same to be known as Homestead Entry Survey No. **413**,
situated within the **TONTO** National Forest, in
unsurveyed Section 26, Township **4 N.**, Range **7 E.**, and
unsurveyed Section 27, Township **4 N.**, Range **7 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.

Walter G. Turley
Surveyor, Forest Service
[Forest Service Title.]

Subscribed and sworn to before me this *8th* day of
April, 19*16*

Elmer C. Myers
Notary Public



TONTONATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing Miguel Romo; Application No. 256, dated February 2, 1911; List No. 3-1352, dated June 20, 1911; Homestead Entry No. 022803, made in the Phoenix Land Office on June 21, 1913, by Miguel Romo, whose post office address is McDowell, Arizona.

Surveyed under Acts of June 11, 1906 and March 4, 1915, together with special instructions from the Surveyor General for Arizona, dated September 23, 1915, and designated as Homestead Entry Survey No. 413.

Situated in unsurveyed sec. 26 and unsurveyed portion sec. 27, T. 4N., R. 7 E., Gila and Salt River Base and Meridian, within the Tonto National Forest, Arizona.

Survey commenced February 1, 1916 and executed with a W. and L. E. Gurley light mountain transit No. 12953, provided with a Burt solar attachment.

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

All distances are horizontal, and were reduced from measurements made directly on the slope with a 500 link steel tape graduated to links and tenths. The slope angles were determined with a clinometer, the vernier of which reads to degrees.

It was not the intention of the Forest Service that

Sycamore Creek form a meander boundary of the claim.

The entryman was present ~~and~~ at the time of survey and was satisfied with the changes made by the entry survey.

February 1, 1916.

I set up my transit over cor. H-1 of List 3-1352, which is a quartzite stone 10 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in

Chains

accordance with instructions at 7h. 30m. p.m., l.m.t., and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station, in Lat. $33^{\circ} 39' 20''$ N. and Long. $111^{\circ} 37' 38''$ W., from special instructions of the Surveyor General.

Astron l.m.t. obsn., February 1, 1916, 7h. 30.0m.

Astron. l.m.t. U.C.Pol., Feb. 1, 1916, 4h. 45.8m.

Hour angle Pol. at obsn., 2h. 44.2m.

Azimuth Pol. at obsn., $0^{\circ} 54' 16''$ W.

With my transit set up over cor. H-1 of List 3-1352, heretofore described, and with telescope reversed in altitude and azimuth at 7h. 46m. p.m., l.m.t., on the same date, I again observe Polaris in accordance with instructions, and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

Astron. l.m.t. obsn., February 1, 1916, 7h. 46.0m.

Astron. l.m.t. U.C. Pol., Feb. 1, 1916, 4h. 45.8m.

Hour angle Pol. at obsn., 3h. 00.2m.

Azimuth of Pol. at obsn., $0^{\circ} 58' 36''$ W.

February 2, 1916.

I turn off $0^{\circ} 54-1/2'$, the azimuth of Polaris, to the E. from its direction at 7h. 30m. p.m., l.m.t., February 21, 1916; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

I also turn off $0^{\circ} 58-1/2'$, the azimuth of Polaris, to the E. from its direction at 7h. 46m. p.m., l.m.t., and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

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This line falls $0^{\circ} 00' 28''$ of measured arc to the E. of the line previously established.

I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and from the corresponding meridian, all the courses stated in these field notes were deflected and referred by continuous sustained angulation.

Latitude $33^{\circ} 39' 20''$ N. and Longitude $111^{\circ} 37' 38''$ W.

at cor. No. 1, H. E. S. No. 413, by account from the special instructions of the Surveyor General. It was not possible to check the latitude by direct observation during the execution of this survey.

My watch is set for Standard 105th. Meridian time, from which I subtract 26m. 31s. for l.m.t.

Observed magnetic declination at cor. No. 1, at 8h. 00m. a.m., $14^{\circ} 35'$ E., which reduced gives a mean magnetic declination of $14^{\circ} 34'$ E.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Identical with cor. H-1 of List 3-1352, which is a quartzite stone 10 x 6 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-1 and its witnesses; and, for cor. No. 1 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 14 ins. in the ground, over which I set a quartzite stone 24 x 10 x 9 ins., 14 ins. in the ground, chiseled (+) at the point and 1 - H E S 413 on the NE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NE. of cor., from which:

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A 12 in. mesquite bears N. 53° 15' W., 192 lks.,
blazed and scribed 1 H E S 413 + B T.

A 7 in. hackberry bears N. 30° 43' E., 150 lks.,
blazed and scribed 1 H E S 413 + B T.

W. C. to 8-1/2 Mile Cor. of the Ft. McDowell
Military Reservation, which is a quartzite
stone 12 x 6 x 9 ins. above ground, marked and
witnessed as described by the Surveyor General,
bears N. 89° 12' W., 3.95 chs., by direct
measurement.

Thence N. 9° 09' W.
Asc. open S. slope 20 ft. to cor.

3.30 Corral fence bears E. and W. Enter corral.

4.30 Corral fence bears E. and W. Leave corral.

5.01 Fence bears E. and W.

5.12 Phoenix - Reno wagon road bears ENE. and WSW.

10.64 To cor. No. 2.
Identical with cor. H-9 of List 3-1352, which is a
quartzite stone 7 x 6 x 4 ins. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy cor. H-9 and its witnesses; and, for cor. No. 2
of this survey, I chisel (+) on a stone 4 x 3 x 2 ins.,
and deposit it 14 ins. in the ground, over which I set
a quartzite stone 24 x 9 x 5 ins., 14 ins. in the ground,
chiseled (+) at the point and 2 - H E S 413 on the E.
face; and raise a mound of stone 2 ft. base, 1-1/2 ft.
high, E. of cor., from which:
A 4 in. mesquit bears S. 71° 00' W., 98 lks.,
blazed and scribed 2 H E S 413 + B T.
A 10 in. mesquit bears N. 84° 55' E., 222 lks.,
blazed and scribed 2 H E S 413 + B T.

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Thence N. 8° 21' E.

Desc. brushy N. slope 15 ft.

- 0.80 Leave slope, bears WNW. and ESE. Enter bottom.
- 6.25 Leave bottom, bears NE. and SW. Asc. S. slope 10 ft.
- 8.40 Point of ridge bears E. and W. Desc. N. slope 10 ft.
- 13.40 Leave ridge bears NW. and SE. Enter bottom.
- 19.40 Leave bottom, bears E. and W. Asc. S. slope 5 ft.
- 19.87 To cor. No. 3.

Identical with cor. H-8 of List 3-1352, which is a quartzite stone 7 x 6 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-8 and its witnesses; and, for cor. No. 3 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 14 ins. in the ground; over which I set a quartzite stone 24 x 8 x 7 ins., 14 ins. in the ground, chiseled (+) at the point and 3 - H E S 413 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, SE. of cor., from which:

A 7 in. mesquit bears S. 55° 30' E., 138 lks., blazed and scribed 3 H E S 413 + B.T.

A 5 in. mesquit bears S. 59° 25' W., 203 lks., blazed and scribed 3 H E S 413 + B.T.

The 8 mile cor. on the Ft. McDowell Military Reservation which is a granite stone 6 x 4 x 8 ins. above ground, marked and witnessed as described by the Surveyor General, bears S. 29° 57' W., 3.97 chs., by direct measurement.

Thence S. 66° 31' E.

Desc. brushy E. slope 5 ft.

- 4.06 Arroyo, 10 lks. wide, banks 1 ft. high, course SSW.
- 8.90 Wagon road bears NNE. and SSW.

Chains

14.90

Leave bottom, bears NNE. and SSW. Asc. NW. slope 20 ft.

16.84

To cor. No. 4.

Identical with cor. H-7 of List 3-1352, which is a quartzite stone 6 x 4 x 4 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-7 and its witnesses; and, for cor. No. 4 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 16 ins. in the ground, over which I set a porphyry stone 26 x 14 x 7 ins., 16 ins. in the ground, chiseled (+) at the point and 4 - H E S 413 on the S. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, S. of cor., from which:

A 9 in. palo verde bears N. 80° 00' E., 15 lks.,

blazed and scribed 4 H E S 413 + B T.

A 5 in. palo verde bears S. 16° 20' E., 104 lks.,

blazed and scribed 4 H E S 413 + B T.

Thence N. 80° 10' E.

Desc. brushy SE. slope 15 ft.

20.95 Phoenix - Reno wagon road bears NE. and SW.

21.35 Fence cor. bears N. 80° 10' E. and SW. Continue along fence.

58.22 To cor. No. 5.

Identical with cor. H-6 of List 3-1352, which is a quartzite stone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-6 and its witnesses; and, for cor. No. 5 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 15 ins. in the ground, over which I set a quartzite stone 25 x 12 x 6 ins., 15 ins. in the ground, chiseled (+) at the point and 5 - H E S 413 on the SW. face; and raise a mound of stone 2 ft. base,

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1-1/2 ft. high, SW. of cor., from which:

A 5 in. mesquit bears N. 15° 00' E., 113 lks.,

blazed and scribed 5 H E S 413 + B T.

A 6 in. mesquit bears N. 46° 06' W., 58 lks.,

blazed and scribed 5 H E S 413 + B T.

Thence S. 0° 39' E.

Over brushy bottom.

15.67 Wire fence bears NNE. and SSW.

15.95 To cor. No. 6.

Identical with cor. H-5 of List 3-1352, which is a quartzite stone 9 x 7 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-5 and its witnesses; and, for cor. No. 6 of this survey, I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 14 ins. in the ground; over which I set a quartzite stone 24 x 10 x 8 ins., 14 ins. in the ground; chiseled (+) at the point and 6 - H E S 413 on the NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high NW. of cor., from which:

A 4 in. mesquit bears N. 18° 38' W., 47 lks.,

blazed and scribed 6 H E S 413 + B T.

A 4 in. catclaw bears S. 85° 55' E., 18 lks.,

blazed and scribed 6 H E S 413 + B T.

Thence S. 78° 23' W.

Over brushy bottom.

0.15 Wire fence bears NNE. and SSW.

15.25 Wire fence bears N. and S.

24.88 To cor. No. 7.

I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it 15 ins. in the ground, over which I set a basalt stone 25 x 9 x 8 ins., 15 ins. in the ground, chiseled (+) at the point and 7 - H E S 413 on the N. face;

Chains and raise a mound of stone 2 ft. base, 1-1/2 ft. high,
N. of cor., from which:

- A 4 in. catclaw bears N. 27° 04' W., 47 lks.,
blazed and scribed 7 H E S 413 + B T.
- A 6 in. catclaw bears N. 61° 46' E., 70 lks.,
blazed and scribed 7 H E S 413 + B T.

Cor. H-4 has been destroyed by Sycamore Creek.

Thence N. 77° 55' W.
Over brushy bottom.

4.15 Enter cultivated land, bears E. and W.

14.68 Wire fence bears NW. and SE. Leave cultivated land.
Enter undergrowth.

15.67 To cor. No. 8.

I chisel (+) on a stone 4 x 3 x 2 ins., and deposit it
14 ins. in the ground, over which I set a quartzite
stone 24 x 9 x 8 ins., 14 ins. in the ground, chiseled
(+) at the point and 8 - H E S 413 on the N. face; and
raise a mound of stone 2 ft. base, 1-1/2 ft. high, N.
of cor., from which:

- A 5 in. catclaw bears N. 60° 38' W., 74 lks.,
blazed and scribed 8 H E S 413 + B T.
- A 14 in. palo verde bears N. 2° 06' E., 153 lks.,
blazed and scribed 8 H E S 413 + B T.

Cor. H-3 has been destroyed by Sycamore Creek.

Thence S. 65° 29' W.
Desc. brushy bottom 10 ft.

0.50 Right bank Sycamore Creek, 3 ft. high, course W. Con-
tinue over gravel bar. Creek bed 10.00 chs. wide.

20.50 Right bank Sycamore Creek, 3 ft. high, course SW.

21.01 Cor. H-2 of List 3-1352, which is a quartzite stone 8 x
8 x 5 ins. above ground, marked and witnessed as de-

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Chains described by the Forest Service. I destroy cor. H-2 and its witnesses.

28.90 Right bank Sycamore Creek, 3 ft. high, course W.
Continue over gravel bar. Creek bed 10.00 chs. wide.

34.85 Right bank Sycamore Creek, 3 ft. high, course SW.

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

AREA

Total Area - - - - - 124.81 acres

IMPROVEMENTS

An adobe and frame dwelling, 33 x 28 ft., the long side extending N. and S. and the SW. cor. of which bears N. 27° 00' E., 2.59 chs. from cor. No. 1.

Estimated Value ----- \$750.00

A well, 4 x 4 x 42 ft. deep, with pump and 2 Horse Power engine, bears N. 49° 12' E., 2.49 chs. from cor. No. 1.

Estimated Value ----- \$200.00

A frame store house, 21 x 10 ft., the long side extending N. and S. and the SW. cor. of which bears N. 22° 30' E., 3.85 chs. from cor. No. 1.

Estimated Value ----- \$ 75.00

An iron water tank, 6 ft. dia. and 6 ft. high, supported by a wooden scaffold 18 ft. high, the center of which bears N. 35° 15' E., 3.53 chs. from cor. No. 1.

Estimated Value ----- \$ 50.00

A frame dwelling, 24 x 20 ft., the long side extending N. and S. and the SW. cor. of which bears N. 27° 30' E., 3.53 chs. from cor. No. 1.

Chains Estimated Value ----- \$500.00
 A frame stable 45 x 24 ft., the long side extending NE.
 and SW. and the S. cor. of which bears N. 5° 30' W.,
 4.01 chs. from cor. No. 1.
 Estimated Value ----- \$300.00
 Approximately 2 miles of fencing.
 Estimated Value ----- \$200.00

Approximately 12 acres of cultivated land.

DESCRIPTION

This claim occupies a bottom along Sycamore Creek, a tri-
 butary to the Verde River, at an elevation of approxi-
 mately 1750 ft. and is chiefly valuable for general
 farming and stock raising.

There is no timber in this section.

Water for irrigation flows in Sycamore Creek during the
 winter and is pumped from the well during the summer.

The soil is a sandy loam and fertile. Good crops of

barley and the sorghums are raised. The ordinary

crops of the temperate zone can be produced upon this
 homestead.

This section is not known to be mineralized. No town-
 sites, coal, oil or mining claims are known to have
 been located in conflict herewith.

McDowell post office is 4 miles by wagon road in a west-
 erly direction. Phoenix railway station is 35 miles
 in a southwesterly direction.

There are no conflicts or adjoining claims. The Camp
 McDowell Indian Reservation lies to the West of this
 homestead but does not touch it.

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Chains	Cor.	Course	Dist.	N	S	E	W
1-2	N.	9° 09' W.	10.64	10.50 ✓			1.69 ✓
2-3	N.	8° 21' E.	19.87	19.66 ✓		2.89 ✓	
3-4	S.	66° 31' E.	16.84		6.71 ✓	15.45 ✓	
4-5	N.	80° 10' E.	58.22	9.94 ✓		57.36 ✓	
5-6	S.	0° 39' E.	15.95		15.95 ✓	0.18 ✓	
6-7	S.	78° 23' W.	24.88		5.01 ✓		24.37 ✓
7-8	N.	77° 55' W.	15.67	3.28 ✓			15.32 ✓
8-1	S.	65° 29' W.	37.96		15.75 ✓		34.54 ✓
			200.03	43.38	43.42	75.88	75.92
Error in Lat. and Dep.					43.38		75.88
					.04		.04

Closing error, 1:3536. ✓

Survey completed February 2, 1916.

Walter G. Turkey
Surveyor - Forest Service

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NATIONAL FOREST

STATE OF

Chains	Dist.	Course	Cor.	Chains
10.00	10.00	N. 90° 00' W.	1-2	
13.82	13.82	N. 82° 31' E.	2-3	
13.45	13.45	N. 80° 31' E.	3-4	
13.38	13.38	N. 80° 10' E.	4-5	
13.98	13.98	N. 80° 32' E.	5-6	
13.37	13.37	N. 78° 53' W.	6-7	
13.32	13.32	N. 77° 55' W.	7-8	
13.44	13.44	N. 65° 59' W.	8-1	
13.92	13.92			
13.88	13.88			
13.88	13.88			
13.04	13.04			

Survey completed February 3, 1916.

Closing error, 1:3538.

Error in lat. and dep.

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.

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. 413, STATE OF ARIZONA, Miguel Romo.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 9° 09' W.	10.64	10 50		1 69		1 69	17 75 ✓	
2-3	N. 8° 21' E.	19.87	19 66		2 89		2 90	57 04 ✓	
3-4	S. 66° 31' E.	16.84		6 71	15 45		21 25		142 59 ✓
4-5	N. 80° 10' E.	58.22	9 94		57 36		94 07	936 00 ✓	
5-6	S. 0° 39' E.	15.95		15 95	0 18		151 62		2418 34 ✓
6-7	S. 78° 23' W.	24.88		5 01		24 37	127 44		637 20 ✓
7-8	N. 77° 55' W.	15.67	3 28			15 32	87 76	287 85 ✓	
8-1	S. 65° 29' W.	57.96		15 75		34 54	37 91		596 70 ✓
		200.03	43 38	43 42	75 88	75 92		1298 64	3794 83
			43 40	43 40	75 90	75 90			1298 64
									2496 19
									124 81 ✓
Closing error, 1:3536.									

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EMH

APPROVAL

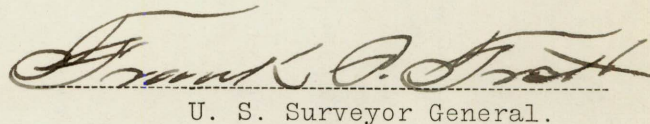
Office of the United States Surveyor General,

Phoenix, Arizona, June 19 , 1917.

The foregoing field notes of Homestead Entry Survey No.

413

executed by **Walter G. Turley, Surveyor-Forest Service**
[Forest Service Title.]
under his special instructions, dated **September 23, 1915**, 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.