

JUN 2 - 1916

JUN 25 1917

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

818

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 318

SITUATED IN THE

-----PRESCOTT----- NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 8, unsurveyed, Township 7 N., Range 5 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor - Forest Service
Under special instructions dated January 23, 1915 ✓
Survey commenced February 4, 1915
Survey completed February 5, 1915
Under Acts of June 11, 1906 and June 30, 1914. ✓

Applicant for listing J. M. Cartwright.

Residence Phoenix, Arizona.

Application No. 236 ✓, dated August 19, 1914 ✓

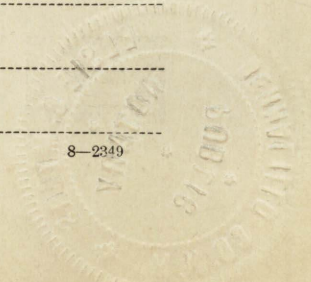
List No. 3-3428 ✓, dated December 15, 1914

Applicant for survey J. M. Cartwright.

Residence Phoenix, Arizona.

H. E. No. , dated

Land district Phoenix, Arizona



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OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley,
Surveyor - Forest Service in surveying all those
parts or portions of Homestead Entry Survey No. 318, in
unsurveyed Section 8, Township 7 N., Range 5 E.,
-- surveyed Section - - -, Township - - -, Range - - -,

of the G. & S.R.B. & meridian, State of Arizona, which
are represented in the following field notes as having been
surveyed by him and under his direction; and that said sur-
vey has been in all respects, to the best of our knowledge
and belief, well and faithfully surveyed, and the corner
monuments established, according to the instructions fur-
nished 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.

W.M. Stratton Chainman
Francisco Lopez Chainman

Subscribed and sworn to before me this 10th day of
February, 1915.

Walter G. Turley
Surveyor - Forest Service

OATH OF SURVEYOR

I, Walter G. Turley, Surveyor - Forest Service, do solemnly swear
that, in strict conformity with the special instructions of
the United States Surveyor General for Arizona, dated
January 23, 1915, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, sur-
veyed a tract of land ~~upon the application of~~ embraced in
List, No 3-3428, dated Dec. 15, 1914, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 318,
situated within the PRESCOTT National Forest, in
unsurveyed Section 8, Township 7 N., Range 5 E., and
-- surveyed Section - - -, Township - - -, Range - - -,

of the G. & S.R.B. & 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 perpet-
uated in strict accordance with the stated special instruc-
tions, 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

Subscribed and sworn to before me this 23^d day of
February, 1915.

Elsie C. Myers
Notary Public



x Dec 15-7

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, J. M. Cartwright; Application No. 236, dated August 19, 1914; List No. 3-3428, dated December 15, 1914.

Surveyed under Acts of June 11, 1906 and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated January 23, 1915, and designated as Homestead Entry Survey No. 318.

Situated in what will probably be, when surveyed, sec. 8, T. 7 N., R. 5 E., Gila and Salt River Base and Meridian within the Prescott National Forest, Arizona.

Survey commenced February 4, 1915, and executed with a W. and L. E. Gurley light mountain transit No. 12953, provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite to each other and graduated to single minutes of arc, which is also the graduation upon the verniers of the latitude and declination arcs.

I test the adjustments of the transit and solar attachment, and make necessary corrections. The stadia wire interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from measurements made directly on the slope, with a standard 500 link steel tape graduated to links and tenths; and the slope angles determined with a clinometer, the vernier of which reads to degrees; and a Philadelphia stadia rod, graduated to feet and hundredths, provided with two targets, the verniers of which read to thousandths of a foot.

February 4, 1915.

I set up my transit over cor. H-4 of List 3-3428, which

HOMESTEAD ENTRY SURVEY NO. 318

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Chains

is an embedded basalt stone 24 x 18 x 12 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in 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. $33^{\circ} 57' 27''$ N. and Long. $111^{\circ} 51' 53''$ W.

Astron. l.m.t. obsn., February 4, 1915, 7h. 30.0m.

Astron. l.m.t. U.C. Pol., Feb. 4, 1915, 4h. 32.4m.

Hour angle Pol. at obsn., 2h. 57.6m.

Azimuth Pol. at obsn., $0^{\circ} 58' 30''$ W.

With my transit set up over cor. H-4 of List 3-3428, heretofore described, and the telescope reversed in altitude and azimuth, at 7h. 44m. 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 4, 1915, 7h. 44.0m.

Astron. l.m.t., U.C. Pol., Feb. 4, 1915, 4h. 32.4m.

Hour angle Pol. at obsn., 3h. 11.6m.

Azimuth of Pol. at obsn., $1^{\circ} 01' 54''$ W.

February 4, 1915.

February 5, 1915.

I turn off $0^{\circ} 58-1/2'$, the azimuth of Polaris, to the E. from its direction at 7h. 30m. p.m., l.m.t., February 4, 1915, 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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Chains

I also turn off $1^{\circ} 02'$, the azimuth of Polaris, to the E. from its direction at 7h. 44m. 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. This line falls $0^{\circ} 00' 36''$ of measured arc to the W. 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.

February 5, 1915, I observe the sun upon the meridian for latitude at cor. No. 1 of this survey.

Observed alt. of upper limb,	$40^{\circ} 15' 45''$
Refraction,	$01' 00''$
Semi-diameter,	$16' 15''$
	<hr/>
	$39^{\circ} 58' 30''$
Declination,	$16^{\circ} 04' 03''$
	<hr/>
	$56^{\circ} 02' 33''$
	<hr/>
	$90^{\circ} 00' 00''$

Resultant latitude, $33^{\circ} 57' 27''$

Long. $111^{\circ} 51' 33''$ W., from special instructions of the Surveyor General.

My watch is set for standard 105th. meridian time, from which I subtract 27m. 28s. for l.m.t.

Observed magnetic declination at cor. No. 1, 8h. 00m. a.m., l.m.t., February 5, 1915, $14^{\circ} 25'$ E., which gives a mean magnetic declination of $14^{\circ} 24'$ E.

I am unable to find any corner of the public land survey or U. S. L. M. within two miles of this claim; therefore, I establish U. S. L. M. No. 318 H. E. S. in accordance with instructions. Upon a high ridge N. of

Chains

Gold Hill, I chisel + at the point and U S L M No 318

H.E.S on the N. face of an embedded porphyry stone

24 x 15 x 12 ins. above ground; and raise a mound of

stone 6 ft. base, 4 ft. high, E. of cor., from which:

A 17 in. cedar, blazed and scribed

U S L M No 318 H E S + B T, bears

S. 57° 30' W., 52 lks.

A 17 in. cedar, blazed and scribed

U S L M No 318 H E S + B T, bears

N. 70° 50' W., 92 lks.

Red Rover Peak bears N. 21° 32' E.

Saddle Mountain bears N. 87° 51' E.

Bench Mark Peak bears N. 51° 30' W.

Turret Peak bears N. 0° 32' E.

Cedar Mountain bears N. 14° 15' E.

Mt. Ord bears S. 86° 00' E.

North Peak of Four Peaks bears S. 60° 10' E.

Cor. No. 1, H. E. S. No. 318, hereinafter

described, bears N. 26° 57' E., 68.61 chs.

Thence N. 26° 57' E.

On a true line by direct measurement.

68.61 To cor. No. 1.

Identical with cor. H-4 of List 3-3428, which is an

embedded basalt stone 24 x 18 x 12 ins. above ground,

marked and witnessed as described by the Forest Service.

I destroy cor. H-4 and its witnesses; and, for cor.

No. 1 of this survey, I chisel + at the point, and

1 - H E S 318 on the N. face of the same stone; and

raise a mound of stone 2 ft. base, 1-1/2 ft. high N.

of cor., from which:

A 4 in. black oak, blazed and scribed

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STATE OF ARIZONA

Chains	1 H E S 318 + B T, bears S. 70° 32' E.,
	34 lks.
	A 6 in. cedar, blazed and scribed
	1 H E S 318 + B T, bears N. 18° 47' W.,
	130 lks.
	U. S. L. M. No. 318 H. E. S., heretofore
	described, bears S. 26° 57' W., 68.61 chs.
	<hr/>
	Thence N. 39° 58' W.
	Desc. 20 ft. along NE. slope in undergrowth.
36.14	To cor. No. 2.
	Identical with cor. H-3 of List 3-3428, which is a quartzite stone 6 x 4 x 3 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-3 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 16 ins. in the ground; over which I set a porphyry stone 26 x 10 x 5 ins., 16 ins. in the ground; chiseled (+) at the point and 2 - H E S 318 on the E. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high E. of cor., from which:
	A 9 in. ash, blazed and scribed 2 H E S 318 + B T,
	bears N. 40° 40' W., 34 lks.
	A 6 in. ash, blazed and scribed 2 H E S 318 + B T,
	bears N. 45° 45' E.; 64 lks.
	<hr/>
	Thence N. 38° 34' E.
	Desc. NE. slope 15 ft.
0.98	Left bank of Bronco Creek, 4 ft. high; course W., at
	its point of junction with Cave Creek. Continue
	ascending 5 ft. in creek bed and flooded area.
10.10	Leave creek bed, banks 2 ft. high, course SW., and

Chains	asc. open S. slope hill 15 ft.
19.30	Cease ascending and desc. NE. slope 10 ft.
23.95	Right bank Cave Creek, 100 lks. wide, banks 2 ft. high, course SE. Asc. SW. slope 5 ft.
25.67	To cor. No. 3. Identical with cor. H-2 of List 3-3428, which is marked upon a basalt ledge 6 x 4 x 6 ft. above ground and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and, for cor. No. 3 of this survey, I chisel + at the point and 3 - H E S 318 on the S. face of the same ledge; and raise a mound of stone 2 ft. base, 1-1/2 ft. high S. of cor., from which: A 9 in. ash, blazed and scribed 3 H E S 318 + B T, bears S. 74° 00' W., 28 lks. A 7 in. cedar, blazed and scribed 3 H E S 318 + B T, bears N. 12° 30' E., 97 lks.
	Thence S. 17° 52' E. Asc. SW. slope 10 ft. in undergrowth.
0.95	Point of ridge, bears NE. and SW. Desc. S. slope 10 ft.
1.98	Wire fence, bears NW. and SE.
2.38	Seven Springs Creek, 140 lks. wide, banks 3 ft. high, course WSW. Asc. N. slope 50 ft. in undergrowth.
5.60	Fence, bears NE. and SW.
5.88	Irrigating ditch, 3 lks. wide, banks 1 ft. high, course W.
15.10	Top of ridge, bears NW. and SE. Desc. SE. slope 30 ft.
24.40	Ravine, course NE. Asc. NE. slope 20 ft.
27.25	Irrigating ditch, 3 lks. wide, banks 1 ft. high,

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Chains course WSW.

27.85 Road, bears E. and W.

29.42 To cor. No. 4.

Identical with cor. H-1 of List 3-3428, which is an embedded quartzite stone 24 x 6, x 6 ins. above ground, marked and witnessed as described by the Forest Service.

I destroy cor. H-1 and for cor. No. 4 of this survey I chisel + at the point and 4 - H E S 318 on the W. face of the same stone; and raise a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor., from which:

A 10 in. cedar, blazed and scribed

4 H E S 318 + B T, bears S. 65° 00' W.,

78 lks.

A 5 in. cedar, blazed and scribed

4 H E S 318 + B T, bears N. 77° 10' W.,

50 lks.

Thence S. 5° 06' W.

Desc. W. slope 30 ft. in undergrowth.

8.93 Wire fence, bears NE. and SW.

13.42 Bronco Creek, 40 lks. wide, banks 2 ft. high, course W.

Asc. N. slope 10 ft.

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

AREA

Total Area - - - - - 56.78 acres. ✓

IMPROVEMENTS.

A two-story frame dwelling, 24 x 14 ft., the long side extending N. and S. and the SW. cor. of which bears N. 81° 30' E., 7.60 chs. from cor. No. 2 of this survey.

Estimated value -----\$1000.00

Chains	<p>A frame store house, 20 x 10 ft., the long side extending N. and S. and the NW. cor. of which bears East, 8.38 chs. from cor. No. 2 of this survey.</p> <p style="text-align: right;">Estimated Value ----- \$ 75.00</p> <p>A dugout cellar, 20 x 14 ft., the long side extending E. and W. and the NW. cor. of which bears N. 84° 00' E., 8.32 chs. from cor. No. 2 of this survey.</p> <p style="text-align: right;">Estimated Value ----- \$ 50.00</p> <p>A frame stable, 75 x 20 ft., the long side of which extends N. and S. and the NW. cor. of which bears S. 85° 00' E., 8.90 chs. from cor. No. 2 of this survey.</p> <p style="text-align: right;">Estimated Value ----- \$500.00</p> <p>A frame garage and store house, 50 x 20 ft., the long side extending N. and S. and the NW. cor. of which bears East, 9.92 chs. from cor. No. 2 of this survey.</p> <p style="text-align: right;">Estimated Value ----- \$400.00</p>
	<p>A log blacksmith shop, 14 x 12 ft., the long side extending N. and S. and the SW. cor. of which bears N. 82° 20' E., 10.15 chs. from cor. No. 2 of this survey.</p> <p style="text-align: right;">Estimated Value ----- \$ 75.00</p> <p>Approximately 9 acres of cultivated land.</p> <p>Approximately 1 mile of wire fencing.</p> <p style="text-align: right;">Estimated Value ----- \$100.00</p>

DESCRIPTION

This claim is situated at the confluence of Seven Springs Creek and Bronco Creek with Cave Creek, which is tributary to Salt River, at an elevation of approximately 4500 ft. and is chiefly valuable for stock raising. The only timber in this section is cottonwood, ash, and sycamore along the creeks.

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STATE OF ARIZONA

Chains

Sufficient water for all purposes is obtained from the creek.

The soil is a dark sandy loam, and produces the ordinary crops of the temperate zone, with water. Good fruit, grain and garden have been produced.

This appears to be a mineralized section, but no town-sites, mining, coal or oil claims are known to have been located in conflict with this homestead.

Phoenix post office is 62 miles by wagon road in a southerly direction.

There are no conflicts or adjoining claims.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 39° 58' W.	36.14	27.70 ✓			23.21 ✓
2-3	N. 38° 34' E.	25.67	20.07 ✓		16.00 ✓	
3-4	S. 17° 52' E.	29.42		28.00 ✓	9.03 ✓	
4-1	S. 5° 06' W.	19.78		19.70 ✓		1.76 ✓

111.01 47.77 47.70 25.03 24.97
 47.70 24.97

Error in Lat. and Dep. .07 .06

Closing error 1:1204. ✓

Survey completed February 5, 1915.

Walter G. Turley

 Surveyor - Forest Service

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Chains

There are no conflicts or adjoining claims.
 southerly direction.
 Phoenix post office is 6 1/2 miles by wagon road in a
 been located in conflict with this homestead.
 ates, mining, coal or oil claims are known to have
 This appears to be a mineralized section, but no town-
 grain and garden have been produced.
 crops of the temperate zone, with water. Good fruit,
 The soil is a dark sandy loam, and produces the ordinary
 creek.

TRAVEL

Dist.	Course	W	E	S	N
1-2	N. 89° 58' W.	26.14	27.70		
2-3	N. 88° 34' E.	23.67	20.07	18.00	
3-4	S. 17° 52' E.	23.42	28.00	2.03	
4-1	S. 8° 06' W.	19.78	19.70		1.76
Total		111.01	47.77	47.70	24.97
		24.70	24.97		

Error in lat. and dep. 07.

Closing error 1:1204.

Survey completed February 5, 1912.

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. 318, STATE OF Arizona, Prescott

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 39° 58' W.	36.14	⁶⁸ 27 70		⁹⁹ 16 00	³ 23 21	23 23	643 01 ✓	
2-3	N. 38° 34' E.	25.67	20 07	²	9 03		15 99	320 60 ✓	
3-4	S. 17° 52' E.	29.42		28 00			40 99	1148 54 ✓	
4-1	S. 5° 06' W.	19.78		19 70		⁷ 1 76	48 23	950 61 ✓	
		111.01	47 77	47 70	25 03	24 97		963 61	2099 15
			^{47 73}	^{47 73}	^{25 00}	^{25 00}			963 61
								1135 54	56 78 ✓ acres.
Closing error 1:1204 ✓									

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, August 14 , 1917

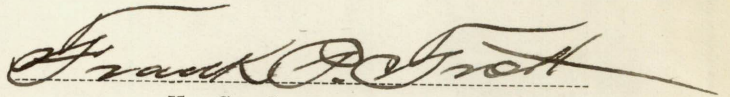
The foregoing field notes of Homestead Entry Survey No.

318

executed by **Walter G. Turley, Surveyor,**

[Forest Service Title.]

under his special instructions, dated **January 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.