

U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

JUN 2 - 1916

MAY 28 1917

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 313

SITUATED IN THE

----- PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 1, unsurveyed, Township 6 N., Range 5 E.

Section 12, unsurveyed, Township 6 N., Range 5 E.

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of the

Gila and Salt River Base and Meridian.

ARIZONA

Survey executed by Walter G. Turley, Surveyor - Forest Service

Under special instructions dated October 26, 1914 and

Amended special instructions dated January 29, 1915

Survey commenced January 26, 1915

Survey completed February 4, 1915

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

Applicant for listing W. P. Sears,

Residence Phoenix, Arizona

Application No. 60, dated May 23, 1913

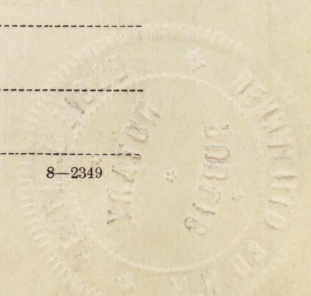
List No. 3-3123, dated March 30, 1914

Applicant for survey W. P. Sears,

Residence Phoenix, Arizona

H. E. No. 025577, dated August 15, 1914.

Land district Phoenix, Arizona





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. 313, in  
 unsurveyed Section 1, Township 6 N., Range 5 E.,  
 unsurveyed Section 12, Township 6 N., Range 5 E.,  
 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 inconvenient to appear before an officer to administer oaths to Assistants; hence, they were taken by the Surveyor.

A. M. Stratton, Chairman  
Francisco Lopez Chairman

Subscribed and sworn to before me this 10<sup>th</sup> day of  
February, 1915.

Walter G. Turley  
Surveyor - Forest Service

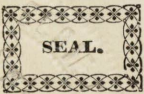
OATH OF SURVEYOR

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 Oct. 26, 1914 and January 29, 1915, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land ~~upon the application of~~ embraced in List, No. 3-3123, dated March 30, 1914 for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 313, situated within the PRESCOTT National Forest, in unsurveyed Section 1, Township 6 N., Range 5 E., and unsurveyed Section 12, Township 6 N., Range 5 E., 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 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

Subscribed and sworn to before me this 23<sup>rd</sup> day of  
February, 1915.

Elsie C. Meyer  
Notary Public





PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains Applicant for listing, W. P. Sears; Application No. 60, dated May 23, 1913; List No. 3-3123, dated March 30, 1914; Homestead Entry No. 025577, made in the Phoenix Land Office on August 15, 1914 by W. P. Sears, whose post office address is Phoenix, Arizona. Surveyed under Acts of June 11, 1906 and June 30, 1914; and special instructions from the Surveyor General for Arizona, dated October 26, 1914 and amended special instructions dated January 29, 1915; and designated as Homestead Entry Survey No. 313. Situated in what will probably be, when surveyed, secs. 1 and 12, T. 6 N., R. 5 E., Gila and Salt River Base and Meridian, within the Prescott National Forest, Arizona.

Survey commenced January 26, 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.



Chains

January 26, 1915.

I set up my transit over cor. H-3 of List 3-3123, which is a granite stone 10 x 8 x 6 ins. above ground, marked and witnessed as described by the Forest Service; and, with telescope direct, I observe Polaris in accordance with instructions at 8h. 22m. 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° 53' 10" N. and Long. 111° 48' 05" W.

Astron. l.m.t. obsn., January 26, 1915, 8h. 22.0m.

Astron. l.m.t. U.C. Pol., Jan. 26, 1915, 5h. 07.9m.

Hour Angle Pol. at obsn., 3h. 14.1m.

Azimuth Pol. at obsn., 1° 02' 24" W.

With my transit set up over cor. H-3 of List 3-3123,

heretofore described, and the telescope reversed in altitude and azimuth, at 8h. 31m. 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., January 26, 1915, 8h. 31.0m.

Astron. l.m.t. U.C. Pol., Jan. 26, 1915, 5h. 07.9m.

Hour angle Pol. at obsn., 3h. 23.1m.

Azimuth of Pol. at obsn., 1° 04' 36" W.

January 26, 1915.

January 27, 1915.

I turn off 1° 02-1/2', the azimuth of Polaris, to the E. from its direction at 8h. 22m. p.m., l.m.t., January 26, 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.

I also turn off 1° 04-1/2', the azimuth of Polaris, to the E. from its direction at 8h. 31.0m. p.m., l.m.t.;



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

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° 00' 46" 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.

January 27, 1915, I observe the sun upon the meridian for latitude at cor. No. 1 of this survey.

Observed alt. of upper limb,	37° 49' 00"
Refraction,	.01' 08"
Semi-diameter,	16' 17"
	<hr/>
	37° 31' 35"
Declination,	18° 34' 53"
	<hr/>
	56° 06' 28"
	<hr/>
	90° 00' 00"

Resultant Latitude, 33° 53' 32"

Long. 111° 47' 52", from special instructions of Surveyor General.

My watch is set for standard 105th. meridian time, from which I subtract 27m. 12s. for l.m.t.

Observed magnetic declination at cor. No. 1 at 8h. 00m. a.m., l.m.t., January 27, 1915, 14° 28' E., which gives a mean magnetic declination of 14° 27' E.

RETRACEMENT

Surprise Millsite, Survey No. 1197 B.

Thence S. 79° 29' E.

From cor. H-3 of List 3-3123, heretofore described.

9.14 To cor. No. 2, Surprise Millsite, Survey No. 1197 B, which is a cedar post 6 x 6 x 24 ins. above ground, scribed 2 M S 1197 B, and surrounded by a mound of stone.

Thence N. 44° 50' E.



Chains

5.08

To cor. No. 3.

A cedar post 6 x 6 x 24 ins. above ground, scribed

3 M S 1197 B, and surrounded by a mound of stone.

Thence N. 30° 10' W.

10.15

To cor. No. 4.

A cedar post 6 x 6 x 24 ins. above ground, scribed

4 M S 1197 B, and surrounded by a mound of stone.

Thence S. 44° 49' W.

5.08

To cor. No. 1.

A cedar post 6 x 6 x 24 ins. above ground, scribed

1 M S 1197 B, and surrounded by a mound of stone.

Thence S. 30° 11' E.

10.16

To cor. No. 2, the place of beginning.

January 27, 1915.

February 4, 1915.

There being no public land corner within the prescribed limits, this survey is tied to U. S. L. M. No. 1196,

which is a cedar post 7 x 7 x 40 ins. above mound of stone 6 ft. base, 5 ft. high, marked and witnessed as

described by the Surveyor General, and is located upon a high ridge about 3/4 miles North of the point at which

the Verde road crosses Camp Creek and 1/4 mile West of Camp Creek.

Thence S. 45° 26' E.

On a true line by direct measurement.

30.66

To cor. No. 1.

Identical with cor. H-4 of List 3-3123, which is a blue quartzite ledge, 20 x 15 x 20 ft. high, 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 same ledge + at the point and 1 -

H E S 313 on the S. face; and raise a mound of stone



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

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

A 10 in. ash, blazed and scribed 1 H E S 313 + B T,  
bears S. 76° 00' W., 33 lks.

A 12 in. ash, blazed and scribed 1 H E S 313  
+ B T, bears S. 10° 45' W., 59 lks.

U. S. L. M. No. 1196, heretofore described,  
bears N. 45° 26' W., 30.66 chs.

Thence S. 3° 59' E.

Desc. 5 ft. in open.

0.95 Left bank Camp Creek, 2 ft. high, course SE.

1.65 Right bank Camp Creek, 2 ft. high, course SE.

3.90 Right bank Camp Creek, 2 ft. high, course SW.

4.70 Left bank Camp Creek, 2 ft. high, course SW.

Asc. W. slope 200 ft. in undergrowth.

22.60 Spur, bears E. and W. Desc. SW. slope 180 ft.

37.85 Road to Verde River (dugway) bears NW. and SE.

38.10 Ravine, course W. Asc. NW. slope 65 ft.

39.90 Road to Verde River (dugway) bears NE. and SW.

42.50 Road to Verde River bears E. and W. Desc. over  
mesa 5 ft.

50.00 To cor. No. 2.

Identical with cor. H-1 of List 3-3123, also F. S. M.,  
which is a basalt stone 24 x 24 x 30 ins. above ground,  
marked and witnessed as described by the Forest Ser-  
vice. I destroy all trace of the list cor. and F. S.  
M. and for cor. No. 2 of this survey I chisel (+) on  
a stone 4 x 3 x 2 ins. and deposit it 18 ins. in the  
ground; over which I set a basalt stone 28 x 14 x 7  
ins., 18 ins. in the ground, chiseled (+) at the point  
and 2 - H E S 313 on the W. face; and raise a mound  
of stone 2 ft. base, 1-1/2 ft. high, W. of cor., from  
which:



Chains: A 6 in. palo verde, scribed 2 H E S 313 + B T,  
bears N. 19° 20' E., 146 lks.

A 12 in. cedar, blazed and scribed 2 H E S 313  
+ B T, bears S. 78° 15' E., 398 lks.

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Thence S. 30° 48' W. . . . .  
Desc. W. slope 90 ft. in open.

10.55 Left bank Camp Creek, 3 ft. high, course SSE.

11.30 Right bank Camp Creek, 3 ft. high, course SSE.

11.97 To cor. No. 3.

Identical with cor. H-2 of List 3-3123, which is an  
embedded quartzite stone 30 x 26 x 36 ins. above ground,  
marked 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 same boulder + at the point  
and 3 - H E S 313 on the N. face; and raise a mound  
of stone 2 ft. base, 1-1/2 ft. high, N. of cor., from  
which:

A 9 in. ash, blazed and scribed 3 H E S 313  
+ B T, bears S. 89° 00' W., 28 lks.

A 9 in. mesquit, blazed and scribed 3 H E S 313  
+ B T, bears N. 11° 00' E., 40 lks.

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Thence N. 26° 25' W. . . . .  
Ascend over bottom in undergrowth 10 ft.

10.88 Wire fence, bears NE. and SW.

3.10 Wire fence, bears NW. and SE.

6.34 Wire fence, bears NE. and SW. Leave bottom, bears  
NE. and SW. and asc. SE. slope 60 ft.

9.10 Edge of mesa, bears NE. and SW. Continue ascending  
over mesa 40 ft. in open.

18.60 Wire fence, bears NW. and SE.

18.75 Road to Phoenix bears NW. and SE.



Chains  
29.57

To cor. No. 4.

Identical with cor. H-3 of List 3-3123, which is a granite stone 10 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I de-

stroy cor. H-3 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 15 ins. in the ground; over which I set a conglomerate stone 25 x 12 x 8 ins., 15 ins. in the ground; chiseled (+) at the point and 4 - H E S 313 on the E. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, E. of cor., from which:

A 5 in. catclaw, blazed and scribed 4 H E S 313  
+ B T, bears S. 6° 14' E., 91 lks.

A 5 in. catclaw, blazed and scribed 4 H E S 313  
+ B T, bears N. 38° 15' W., 104 lks.

Thence N. 25° 13' E.

Desc. NE. slope 80 ft. in undergrowth.

8.40 Arroyo, 60 lks. wide, banks 2 ft. high, course SE.

Asc. SW. slope 75 ft. in open.

12.60 Spur, bears NW. and SE. Continue ascending SE. slope 20 ft.

23.50 Cease ascending and desc. E. slope 100 ft. in undergrowth.

36.15 Right bank Camp Creek, 3 ft. high, course SE.

Wagon road in creek bears N. and S.

36.85 Left bank Camp Creek, 3 ft. high, course SE.

Asc. 5 ft.

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



Chains	AREA
	Total Area H. E. S. 313 - - - - - 60.14 acres
	Area in conflict with Surprise Millsite, Survey No. 1197 B, - - - - - 4.98 acres
IMPROVEMENTS	
	A frame barn, 60 x 14 ft., the long side extending N. and S. and the SE. cor. of which bears N. 73° 15' W., 8.48 chs. from cor. No. 2. Estimated Value ----- \$150.00
	A frame dwelling 40 x 30 ft., the long side extending E. and W. and the SE. cor. of which bears N. 67° 10' W., 8.05 chs. from cor. No. 2. Estimated Value ----- \$700.00
	A dugout store house, 14 x 10 ft., the long side extending E. and W. and the SE. cor. of which bears N. 70° 00' W., 9.10 chs. from cor. No. 2. Estimated Value ----- \$ 50.00
	A windmill, 35 ft. high, and well 4 x 4 x 14 ft. deep, the center of which bears N. 61° 00' W., 6.80 chs. from cor. No. 2. Estimated Value ----- \$300.00
	A frame shop, 18 x 10 ft., the long side extending N. and S. and the SE. cor. of which bears N. 46° 55' W., 10.02 chs. from cor. No. 2 of this survey. Estimated value ----- \$ 50.00
	A frame dwelling, 20 x 12 ft., the long side extending NW. and SE. and the S. cor. of which bears N. 23° 00' W., 23.10 chs. from cor. No. 2 of this survey. Estimated Value ----- \$300.00
	Approximately 1/2 mile of wire fencing.



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Estimated Value ----- \$ 50.00

Approximately 1/4 acre of cultivated land.

DESCRIPTION.

This claim is situated on Camp Creek, a tributary to the Verde River, at an elevation of approximately 3400 ft. and is chiefly valuable for cattle raising.

There is no timber in this section. Ash and sycamore grow along the creek.

Sufficient water for all purposes flows in Camp Creek or is obtained from the well.

The soil is a decomposed granite. Excellent garden truck has been raised upon this homestead.

The mountains to the W. of the claim are mineralized, but no townsites, coal, oil or mining claims are known to have been located in conflict with this homestead. The Surprise Millsite, Survey No. 1197 B, is located wholly within and conflicts with this homestead.

The conflicting area was included in this survey at the request of claimant's legal representative, who was informed of, and agreed to the requirements of Paragraph 26 of Circular 235.

Phoenix post office and railway station is 50 miles by wagon road in a southwesterly direction.

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	S. 3° 59' E.	50.00		49.88 ✓	3.47 ✓	
2-3	S. 30° 48' W.	11.97		10.28 ✓		6.13 ✓
3-4	N. 26° 25' W.	29.57	26.48 ✓			13.16 ✓
4-1	N. 25° 13' E.	37.14	33.60 ✓		15.82 ✓	
			128.68	60.08	60.16	19.29
					19.29	19.29
Error in Lat. and Dep.,				.08	.00	

Closing error 1:1609. ✓

Survey completed February 4, 1915.

*Walter G. Turkey*  
Surveyor - Forest Service



Chains

Estimated Value -----  
Approximately 1/4 acre of cultivated land.

DESCRIPTION

This claim is situated on Camp Creek, a tributary to the Verde River, at an elevation of approximately 5400 ft. and is chiefly valuable for cattle raising. There is no timber in this section. Ash and sycamore grow along the creek. Sufficient water for all purposes flows in Camp Creek or is obtained from the well. The soil is a decomposed granite. Excellent garden truck has been raised upon this homestead. The mountains to the W. of the claim are mineralized, but no townships, coal, oil or mining claims are known to have been located in conflict with this homestead. The Surprise Millsite, Survey No. 1197 B, is located wholly within and conflicts with this homestead. The conflicting area was included in this survey at the request of claimant's legal representative, who was informed of, and agreed to the requirements of Paragraph 26 of Circular 286. Phoenix post office and railway station is 50 miles by wagon road in a southwesterly direction.

TRAVEL

Cor.	Course	Dist.	N	S	E	W
1-2	E. 3° 59' N.	50.00		49.88	3.47	
2-3	S. 30° 48' W.	11.97		10.38		6.13
3-4	N. 20° 23' W.	22.57	20.48			13.18
4-1	N. 26° 18' W.	37.14	33.80		15.02	
		188.68	80.08	80.15	19.32	19.32
			60.08	19.32		
			08.	08.		

Survey completed February 4, 1915.  
Closing error 1:1509.  
Error in Def. and Dep.



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. 513, STATE OF Arizona W. P. Rivera.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 30° 59' E.	50.00		49.88	3.47		30.11	1750.23	
2-3	S. 30° 48' W.	11.97	50	10.28		6.13	32.45	833.76	
3-4	N. 26° 25' W.	29.57	26.48			13.16	349.74		
4-1	N. 25° 13' E.	37.14	33.60		15.82		531.87		
		128.68	60.08	60.16	19.29	19.29	880.61	2083.49	
			60.12	60.12	19.29	19.29		880.61	
								1702.88	
								6014 acres.	
Closing Error 1:1609									
Computation of Areas in Conflict with Surveys Melchate Survey No. 11978									
2-3	N. 44° 50' E.	5.08	3.60		3.58		13.78	496.1	
3-4	N. 30° 10' W.	10.15	8.78			5.10	12.26	107.64	
4-1	N. 44° 49' W.	5.08		3.60		3.58	3.58		12.89
1-2	S. 30° 11' E.	10.16		8.78	5.11		5.10	44.78	
		30.47	12.38	12.38	8.69	8.68	15.725	576.7	
			12.38	12.38	8.68	8.68	5.767		
							99.58		
							4.99 acres		
									43



APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, May 31, 1917

The foregoing field notes of Homestead Entry Survey No.

313

executed by **Walter G. Turley, Surveyor-Forest Service** [Forest Service Title.]  
under his special instructions, dated **October 26,** 1914, having  
**and amended special instructions dated January 29, 1915,**  
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.