

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

MAR 13-1915

MAR 23 1914

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 168

SITUATED IN THE

CROOK NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

in

Section 22, surveyed, Township 2 S, Range 12 E.

of the

Gila and Salt River Base & Meridian.

ARIZONA

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

Under special instructions dated February 12, 1914

Survey commenced March 6, 1914

Survey completed March 6, 1914

Under Acts of June 11, 1906 and March 4, 1913

Applicant for listing Justus W. Lyman,

Residence Superior, Arizona

Application No. 128, dated November 11, 1909

List No. 3-1246, dated April 14,, 1911

Applicant for survey J. M. Sanders

Residence Superior, Arizona

H. E. No. 018751, dated July 26, 1912

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. 168, in
-- surveyed Section 22, Township 2 S., Range 12 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.

Walter G. Turley Chainman
R. P. Johnson Chainman
Robert E. Lee Jr. Flagman

Subscribed and sworn to before me this 10th day of
March, 1914

Walter G. Scott
Notary Public

My commission expires July 1, 1917.

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
February 12 1914, 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. 3-1246 dated April 14, 1911, for
Patent, under the Act of June 11, 1906,
the same to be known as Homestead Entry Survey No. 168,
situated within the CROOK National Forest, in
-- surveyed Section 22, Township 2 S., Range 12 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 10th day of
March, 1914

Walter G. Scott
Notary Public



My commission expires July 1, 1917.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, J. W. Lyman; Application No. 128 dated November 11, 1909. List No. 3-1246, dated April 14, 1911; H. E. No. 018751, made at Phoenix, Arizona, July 26, 1912 by J. M. Sanders.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 12, 1914, and designated as Homestead Entry Survey No. 168.

Situated in Sec. 22, T. 2 S., R. 12 E., Gila and Salt River Base and Meridian within the Crook National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and March 4, 1913.

Survey commenced March 6, 1914 and executed with a W. and L. E. Gurley light mountain transit, with vertical circle and Burt solar attachment.

I test the adjustments of the transit and make necessary corrections. The stadia is adjusted to read 1:132. All measurements were made on the slope with a 400 link steel tape and a Philadelphia stadia rod, and the slope angles determined with a clinometer.

March 6, 1914.

At 3h. 25m. p.m., l.m.t., I observe the altitude of the sun for azimuth at cor. No. 1 of this survey. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field. My watch is set for local mean time. Latitude 33° 14' 40" N. Longitude 110° 06' 33" W. by account from special instructions from the Surveyor General.

Chains

Telescope	Horizontal Angle	Vertical Angle
Direct	59° 33'	29° 40'
Reversed	59° 03'	29° 54' 30"

Bearing of object S. 0° 05' 02" W.

and to the corresponding meridian all the courses of this survey are referred.

I test this meridian as follows:

On the same date at 8h. 28.6 m. p.m., l.m.t., I observe

Polaris at Western elongation at cor. No. 1 and turn off the azimuth 1° 22' 10" to the East, which differs

from the meridian determined by observing the altitude of the sun for azimuth by 0° 0' 41" of measured arc.

March 6, 1914.

At 10 h. 00m., a.m., l.m.t., I set off 5° 47' S. on the decl. arc and 33° 15' on the lat. arc and determine a meridian with the solar at cor. No. 1 and mark the line for future reference, which differs 0° 01' from the meridian established by observing the sun in altitude for azimuth in the afternoon. Therefore I conclude that my transit is in satisfactory adjustment.

Thence N. 65° 08' W.

On a random for a tie.

19.03 To cor. of Secs. 15, 16, 21 and 22, T. 2 S., R. 12 E., which is a limestone 12 x 10 x 6 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence S. 65° 08' E.

On a true line.

1235 CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains 19.03	<p>To Cor. No. 1.</p> <p>Identical with H-4 of the list survey, which is an imbedded sandstone boulder 24 x 24 x 14 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross (+) at the apex of the same stone and 1-HES168 on the SE. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SE. of cor.</p> <p>Pits impracticable. No witnesses available.</p> <p>Therefore Cor. of Secs. 15, 16, 21 and 22 bears N. 65° 08' W. 19.03 chs. dist. from cor. No. 1. Mag. Va. at 10 h. 00m. a.m. 13° 42' E. Mean Mag. Va. 13° 41' E.</p> <hr/> <p>Thence N. 89° 15' E.</p> <p>Descend E. slope 50 ft. to creek.</p> <p>4.00 Left bank dry bed Arnett Creek, 2 ft. high, 100 lks. wide course N.</p> <p>5.90 Left bank of arroyo, 3 ft. high, 30 lks. wide, course NW.</p> <p>6.33 To Cor. No. 2.</p> <p>Identical with H-3 of the list survey, which is a limestone 10 x 10 x 8 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a porphyry boulder 24 x 14 x 10 ins. 14 ins. in the ground, over a marked stone, for cor. No. 2, marked 2-HES168 on the SW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high SW. of cor. from which,</p> <p>A mesquite 4 ins. dia. bears S. 17° W. 82 lks. dist. marked 2 H E S 168 B T.</p> <p>Pits impracticable. No other witnesses available.</p> <hr/>
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Chains
 Thence S. 14° 08' E.
 0.75 Right bank arroyo, 4 ft. high, 45 lks. wide, course NW.
 Ascend NW. slope 20 ft. to ridge.
 2.00 Fence cor. bears West and SE.
 9.00 Ridge, bears NW. and SE. Continue along W. slope to cor.
 9.10 Fence bears N. and S. (+)
 29.23 To Cor. No. 3.
 Identical with H-2 of the list survey, which is an
 imbedded porphyry stone, 24 x 8 x 6 ins. above ground,
 marked and witnessed as described by the Forest Service.
 I destroy all trace of the list cor. and mark a cross
 (+) at the apex of the same stone and 3-HES168 on the
 W. face; and raise a mound of stone 2 ft. base, 1-1/2
 ft. high W. of cor. from which,

A mesquite 4 ins. dia. bears N. 34° W. 78
 lks. dist. marked 3 H E S 168 B T.
 A mesquite 4 ins. dia. bears N. 61° W. 80
 lks. dist. marked 3 H E S 168 B T.

Thence S. 35° 50' E.
 Ascend SW. slope 5 ft.
 .02 Stone fence, 3 ft. high, bears NE. and SW.
 1.20 Wire fence, bears E. and W.
 2.80 Cease ascending and descend 10 ft. to arroyo
 3.10 Right bank dry bed Arnett Creek, 10 ft. high, course W.
 Continue up creek bed.
 11.00 Right bank dry bed, Arnett Creek, 5 ft. high. Ascend
 10 ft. to spur.
 15.10 Spur bears E. and W. Fence bears N. and S.
 19.50 Fence bears NW. and SE.
 21.35 To Cor. No. 4.
 Identical with H-1 of the list survey, which is a gran-

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

ite boulder 25 x 15 x 5 ft. above ground, marked and
witnessed as described by the Forest Service. I de-
stroy all trace of this list cor. and mark a cross(+)

at the apex of the same stone for cor. No. 4 and
4-HES168 on the W. face; and raise a mound of stone
2 ft. base, 1-1/2 ft. high W. of cor. from which,

A mesquite 5 ins. dia. bears S. 75° 25' W. 100
lks. dist. marked 4 H E S 168 B T.

No other bearings available. Pits impracticable.

Thence S. 16° 20' W.

Descend SW. slope 5 ft. to creek bed.

0.25 Right bank dry bed Arnett Creek, 40 lks. wide, banks 3 ft.
high, course NW. Ascend NE. slope 10 ft.

3.71 To Cor. No. 5.

Identical with Cor. H-6 of the list survey, which is a

limestone 10 x 10 x 6 ins. above ground, marked and
witnessed as described by the Forest Service. I de-

stroy all trace of the list cor. and at this point I
set a basalt stone 24 x 12 x 9 ins., 14 ins. in the

ground, over a marked stone, for cor. No. 5, marked
5-HES168 on the N. face; and raise a mound of stone

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

A mesquite 4 ins. dia. bears S. 43° E. 97
lks. dist. marked 5 H E S 168 B T.

A mesquite 4 ins. dia. bears N. 53° 30' W.

73 lks. dist. marked 5 H E S 168 B T.

Thence N. 48° 20' W.

Descend W. slope 5 ft. to ravine.

1.90 Ravine, course N. Ascend NW. slope 15 ft. to spur.

8.00 Spur bears E. and W. Continue along NW. slope.

19.00 Descend N. slope 10 ft. to ravine.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains	<p>21.00 Ravine, course NE. Ascend SE. slope 15 ft. to spur.</p> <p>25.00 Spur bears E. and W.</p> <p>25.38 To Cor. No. 6.</p> <p>Identical with cor. H-5 of the list survey, which is a limestone 10 x 4 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of the list cor. and at this point I set a limestone 26 x 16 x 9 ins., 16 ins. in the ground, over a marked stone, for cor. No. 6, marked 6-HES168 on the E. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high E. of cor. from which,</p> <p>A palo verde 4 ins. dia. bears S. 63° 30' E. 84 lks. dist. marked 6 H E S 168 B T.</p> <p>A mesquite 4 ins. dia. bears N. 30° 10' E. 170 lks. dist. marked 6 H E S 168 B T.</p> <hr/> <p>Thence N: 10° 25' W.</p> <p>Descend NE. slope 30 ft. to ravine.</p> <p>5.00 Ravine, course E. Continue descending E. slope 10 ft. to Wood canyon.</p> <p>27.50 Right bank of Wood canyon arroyo, 135 lks. wide, banks 3 ft. high, course NE.</p> <p>Ascend SE. slope 40 ft. to cor.</p> <p>31.00 Spur bears NW. and SE. Continue along E. slope.</p> <p>32.82 To Cor. No. 1, the place of beginning.</p>
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AREA

Total Area in Sec. 22 35.58 Acres

IMPROVEMENTS

The improvements made upon and for the benefit of the claim and belonging to the claimant consist of the following:

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

- A sheet iron chicken house 14 x 8 ft. the long side of which bears E. and W. and the SE. cor. of which bears N. 78° 15' W. 90 lks. dist. from cor. No. 3.
Value \$20.00
- A frame dwelling, 32 x 21 ft. the long side of which bears E. and W. and the NE. cor. of which bears S. 9° 30' W. 190 lks. dist. from cor. No. 3.
Value \$600.00
- A stone garage 13 x 16 ft. the long side of which bears N. and S. and the NW. cor. of which bears S. 10° 30' E. 186 lks. dist. from cor. No. 3.
Value \$100.00
- A sheet iron stable 12 x 25 ft. the long side of which bears E. and W. and the NW. cor. of which bears S. 43° 50' E. 210 lks. dist. from cor. No. 3.
Value \$125.00
- Some miscellaneous fencing.
Value \$ 30.00

GENERAL DESCRIPTION

This claim is situated on a general N. slope along Arnett Creek. There is no surface flow in the creek, but water is obtained from springs near the house, for domestic purposes and to water cattle.

I saw no indication of mineral upon this claim.

Superior postoffice is 5 miles in a northerly direction.

Florence on the railroad is 29 miles in a southerly direction.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

CROOK NATIONAL FOREST

STATE OF ARIZONA

Chains

Cor.	Course	Dist.	N.	S.	E.	W.
1	N. 89° 15' E.	6.33	08	00	00	6.33
2	S. 14° 08' E.	29.23			28.35	7.14
3	S. 35° 50' E.	21.35			17.31	12.50
4	S. 16° 20' W.	3.71			3.56	1.04
5	N. 48° 20' W.	25.38	16.87			18.96
6	N. 10° 25' W.	32.82	32.28			5.93
		118.82	49.23	49.22	25.97	25.93
Error in Lat. and Dep.			.01		.04	

Closing error 1:2883

Walter J. Purkey
Surveyor - Forest Service.

GENERAL DESCRIPTION

This claim is situated on a general N. slope along Arnett Creek. There is no surface flow in the creek, but water is obtained from springs near the house for domestic purposes and to water cattle. I saw no indication of mineral upon this claim. Superior postoffice is 5 miles in a northerly direction. Florence on the railroad is 29 miles in a southerly direction.

CONFLICTS AND ADJOINING CLAIMS

There are no conflicts or adjoining claims.

Chains

Detailed Computation

33° 14' 40" = N. lat. of cor. No. 1 by account from
Special instructions from Surveyor General.

110° 06' 33" = W. long. of cor. No. 1 by account from
Special instructions from Surveyor General.

March 6, 1914.

Altitude observation of sun for azimuth.

29° 47' 15" obs. alt. - 101" x .84 x .98 = 29° 45' 52" =
Alt.

10h. 33m. 50s. diff. in time X 58".02 = 10' 11".9

5° 52' 33".1 - 0° 10' 12".9 = 5° 42' 20".2 = Apparent de-
clination.

Log. Sin. decl.	8.997461	Log. tan. lat. =	9.816566
Colog. cos. lat.	0.077617	" "	alt. 9.757306
" " alt.	0.061443		9.573872
	<u>9.136521</u>	Anti log.	0.374863

Anti log. 0.136937

0.374863

Cos. Azimuth 0.511800

Azimuth 59° 12' 58"

March 6, 1914.

W. Elongation of Polaris.

8h. 28.9 m. p.m., W. elong. at Greenwich
1.2m. Sidereal correction

8h. 27.7 m. p.m., W. elong. at cor. No. 1, lat. 40°
0.9

8h. 28.6m. p.m., W. elong. at Cor. No. 1.
Interpolate P. 16, G. L. O. Ephemeris

88° 51' 08" Decl. of Pol., March 6.

1° 22' 10" Azimuth of Pol. W.

T.A.

NATIONAL FOREST

STATE OF ARIZONA

Chains

Chains

Detailed Computation

Special instructions from Surveyor General.
 110° 08' 33" = W. long. of cor. No. 1 by account from
 Special instructions from Surveyor General.
 33° 14' 40" = N. lat. of cor. No. 1 by account from

March 6, 1914.
 Altitude observation of sun for azimuth.
 39° 47' 13" obs. alt. - 101" x .84 x .98 = 39° 45' 52" =
 Alt.
 10h. 33m. 50s. diff. in time x 58".08 = 10' 11" 2
 5° 52' 33".1 - 0° 10' 12".9 = 5° 42' 20".2 = Apparent de-
 clination.

Log. Sim. decl.	8.997461	Log. tan. lat. = 9.816566
Colog. cos. lat.	0.077817	" " " " = 9.787306
" " alt.	0.061443	" " " " = 9.873873
<hr/>		Anti log.
0.136237		0.374863
0.374863		
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0.511800		
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Anti log.		
0.136237		
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0.511800		
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0.374863		
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0.061443		
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0.077817		
<hr/>		
8.997461		

March 6, 1914.
 W. elongation of Polaris.
 8h. 28.9 m. p.m., W. elong. at Greenwich
 1.3m. Spherical correction
 8h. 27.7 m. p.m., W. elong. at cor. No. 1, lat. 40°
 0.2
 8h. 28.6m. p.m., W. elong. at cor. No. 1.
 Interpolate P. 18, G. L. O. Ephemeris
 88° 51' 08" Decl. of Pol., March 6.
 1° 22' 10" Azimuth of Pol. W.

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 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. 168, STATE OF ARIZONA, Crook-J. M. Sanders

8-2349

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
01309	N. 89° 15' E.	6.33	.08		6.33		6.33		
26415 9690	S. 14° 08' E.	29.23		28.35	7.14 ³		19.79	561.05	.51
38543 81075	S. 35° 50' E.	21.35		17.31	4.49		39.41	682.19	
28713 95964	S. 16° 20' W.	3.71		3.56		1.04	50.86	181.06	
74703 66480	N. 48° 20' W.	25.38	16.87		18.96 ⁷		30.85		520.44
18087 98354	N. 10° 25' W.	32.82	32.28 ⁷		5.93 ⁴		5.94		191.68
		118.82	49.23 ^{49.22}	49.22	25.97 ^{25.95}	25.93 ^{25.95}		1424.30	712.63
	Closing error 1: 2883							2) 711.67	35.58 Acres

T.A.

132

SP. 28 70168
 3) 111.01
 38.81
 148.30

GRADING ERROR: 1: 8888

COMMENTS	DAYS	DAYS	DAYS	DAYS	DELIVERABLES		DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS
					DELIVERABLES	DELIVERABLES							
1	1	1	1	1	30.	33.03	33.03	33.03	33.03	33.03	33.03	33.03	33.03
2	2	2	2	2	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03
3	3	3	3	3	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
4	4	4	4	4	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03
5	5	5	5	5	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03
6	6	6	6	6	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03
7	7	7	7	7	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03
8	8	8	8	8	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03
9	9	9	9	9	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03	38.03

STATE OF TEXAS - COUNTY OF DALLAS - CITY OF DALLAS - DEPARTMENT OF PUBLIC WORKS - DIVISION OF STREET DEPARTMENT

THIS REPORT IS THE PROPERTY OF THE CITY OF DALLAS. IT IS TO BE KEPT IN THE OFFICE OF THE CITY ENGINEER. IT IS NOT TO BE REPRODUCED OR DISTRIBUTED WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER.

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, June 12, 1916.

The foregoing field notes of Homestead Entry Survey No.

168

executed by Walter G. Turley, Surveyor-Forest Service
under his special instructions, dated June 12, 1916,
having been critically examined, and the necessary correc-
tions 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 Arizona,
has been correctly copied from the original notes on file in
this office.

Frank P. Trott
U. S. Surveyor General.