

**ORIGINAL**  
U. S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

DEC 16 1918

327  
329  
330

**FIELD NOTES**

OF

HOMESTEAD ENTRY SURVEY NO. 321

SITUATED IN THE **PRESCOTT** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 4 , unsurveyed, Township 11 N., Range 5 E.,

~~In Section 4 , unsurveyed, Township 11 N., Range 5 E.~~

Also

Field notes of U. S. L. M. No. 321 H. E. S.

of the

**Gila and Salt River Base and Meridian.**

State of

**ARIZONA.**

Applicant for listing **Benjamin J. Stewart,**

Residence **Mayer, Arizona.**

Application No. **121** , dated **October 7** , 1912

List No. **3-2243** , dated **January 18** , 1913

Applicant for survey **Benjamin J. Stewart,**

Residence **Mayer, Arizona.**

H. E. No. **023975** , dated **December 18** , 1913.

Office,  
Land District **Phoenix, Arizona.**

Survey executed by **R. P. A. Johnson, Surveyor - Draftsman,**  
[Forest Service Title.]

Under special instructions dated **February 11** , 1915

Survey commenced **April 12** , 1915

Survey completed **April 15** , 1915

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



OATH OF ASSISTANTS

We hereby certify that we assisted **R. P. A. Johnson,**  
**Surveyor - Draftsman,** in surveying all those  
[Forest Service Title.]

parts or portions of Homestead Entry Survey No. **321**, 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 D. Hodson* Chainman.  
*C. G. Baechly* Chainman.  
-----

Subscribed and sworn to before me this *twenty third* day of  
*May*, 1915.

-----  
*R. P. A. Johnson*  
*Surveyor Draftsman*  
-----

OATH OF SURVEYOR

I, **R. P. A. Johnson, Surveyor - Draftsman,**  
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instruc-  
tions of the United States Surveyor General for **Arizona**, dated  
**February 11**, 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. **3-2243**, dated **January 18**, 1913, for  
**Patent**, under the Act of **June 11**, 1906,  
the same to be known as Homestead Entry Survey No. **321**,  
situated within the **Prescott** National Forest, in  
~~un~~ surveyed Section **4**, Township **11 N.**, Range **5 E.**, and  
~~un~~ surveyed Section **4**, Township **11 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.

-----  
*R. P. A. Johnson*  
*Surveyor Draftsman*  
[Forest Service Title.]

Subscribed and sworn to before me this *twint* day of  
*June*, 1915.

-----  
*Elsie C. Myers*  
*Notary Public*  
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TO Peterson

UNITED STATES GOVERNMENT

Memorandum

CDV  
9-9-66  
2A

TO : Chief, Division of Engineering, Arizona DATE: September 9, 1966

FROM : Chief, Branch of Title & Records, Arizona Land Office

SUBJECT: Correction of Location of HES 321, 322, 323 on Protraction Diagram No. 54

The field notes and plats for the subject surveys show that the lands involved are located in, what will be when surveyed, secs. 2, 4, 8, and 9, T. 11 N., R. 5 E. The protraction diagram shows them to be in secs. 19, 20, 21, and 22, said township and range.

Please check the above and advise this office of your findings so that corrections may be made where appropriate and our status records will show the proper information.

C. G. Bazar

TO Bazar

These HES' are properly located on the ~~protraction~~ diagrams

Don V.



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, Benjamin J. Stewart; Application No. 121 dated October 7, 1912; List No. 3-2243, dated January 18, 1913; H. E. No. 023975 made at Phoenix, Arizona by Benjamin J. Stewart, dated December 18, 1913.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 11, 1915, and designated as Homestead Entry Survey No. 321.

Situated in unsurveyed T. 11 N., R. 5 E. in what will probably be when surveyed, section 4, G. & S. R. B. & M., Prescott National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and June 30, 1914.

Survey commenced April 12, 1915, and executed with a Buff and Buff transit.

I test the adjustment of the transit and make necessary corrections.

All measurements were made on the slope with a 500 link steel tape and the slope angles determined with a clinometer.

April 12, 1915.

At 7h. 30.4m., p.m., l.m.t., I observe Polaris at cor. No. 1 with telescope direct and mark the line thus determined by a tack in a stake set 5.00 chs. N. of my station.

Astron. l.m.t. obsn. April 12, 1915 7h. 30.4m.

Astron. l.m.t. U.C. Pol. April 12, 1915 0h. 09.6m.

Hour angle Polaris at obsn. 7h. 20.8m.

1.2m.

Corrected Hour angle Polaris 7h. 22.0m.

Azimuth of Polaris 1° 17' 24" W.



Chains At 7h. 31.6m. p.m., l.m.t., I again observe Polaris at cor. No. 1, telescope reversed.

Astron. l.m.t. obsn. April 12, 1915 7h. 31.6m.

Astron. l.m.t. U. C. Pol. April 12, 1915 Oh. 09.6m.

Hour angle Polaris at obsn. 7h. 22.0m.

Corrected hour angle Polaris 1.2m.  
7h. 23.2m.

Azimuth of Polaris 1° 17' 18" W.

April 13, 1915.

I turn off 1° 17' 24" to east of line established by observation (telescope direct) of last night and mark my line of sight. I also turn off 1° 17' 18" to east of line established by observation with telescope reversed, which defines a meridian which differs 0° 00' 06" from line established by observation, telescope direct.

April 15, 1915.

At 8h. 53m., a.m., I observe the altitude of the sun for azimuth at cor. No. 1. The reading on the meridian established by Polaris observation of last night is set at zero and sun was observed in the lower left and upper right quadrants of the field. My watch is set for local mean time. Latitude 34° 20' 58" N. by observation. Long. 111° 52' W. from special instructions.

Telescope	Time	Horizontal Angle.	Vertical Angle.
Direct	8h. 53m. 10s.	70° 43'	41° 05'
Reverse	8h. 54m. 00s.	71° 16'	40° 43'

Bearing of object N. 0° 01' 17" E.

The mean of all observations is 0° 00' 28" and to corresponding meridian all the courses of this survey are referred.



Chains

April 13, 1915.

At cor. No. 1 of this survey, at apparent noon, I observe the altitude of the sun for latitude.

Telescope	Sun's limb	Vertical Angle
Direct	Upper	64° 47'
Reverse	Lower	64° 16'

From this observation, I calculate Lat. to be 34° 20' 58"

At cor. No. 1 of this survey, I place telescope of transit on the meridian and observe the time of passage of right and left limbs of sun across vertical wire.

Watch time, passage right limb 12h. 01m. 46s.

Watch time, passage left limb 12h. 03m. 52s.

From this observation, I calculate my watch to be

03m. 37s. fast l.m.t. and time of obsn. of last night's Polaris are corrected accordingly.

There being no cor. of the public land survey or U. S. L. M. within the prescribed limits, I establish U. S. L. M. No. 321 H. E. S. on NE. edge of rocky peak known as Mount Thomas, which rises to an elevation of 500 feet above Sycamore Creek. I mark a cross on top of malpais stone 36 x 24 x 10 ins. set in edge of mound of rock 7 ft. dia. by 6 ft. high and chiseled U S L M No. 321 H E S on SW. face whence:

A cross on top rock ledge chiseled

B R - U S L M No. 321 H E S bears N. 28° 51' E.  
12 lks. dist.

A juniper tree 18 ins. dia. scribed

U S L M No. 321 H E S B T bears S. 74° 47' W.  
73 lks. dist.



Chains

Estler Peak bears N. 63° 12' W. approximately  
10-1/2 miles dist.

Bald Hill bears N. 25° 14' W. approximately  
11 miles dist.

Horner Mt. bears N. 2° 12' W. approximately  
6-1/2 miles dist.

Highest visable point of Bradshaw Mountain bears  
S. 78° 32' W.

Junction of Tank and Sycamore Creeks bears  
N. 76° 14' E. approximately 1-1/2 miles.

Junction of Dry and Sycamore Creeks bears  
N. 68° W. approximately 5 miles.

Junction of Sycamore and South Fork of Sycamore  
Creek bears S. 63°40'W. Approximately 1 mile dist.

Chalk Spring bears East.

NE. cor. of J. R. Alexander's house bears S. 32°  
E. approximately 1/4 mile.

Thence N. 42° 51' E. by traverse, computation of which  
appears at end of notes.

13.74 To Cor. No. 1, place of beginning.

Identical with cor. H-2 of the list survey which is a  
malpais rock marked and witnessed as described by the  
Forest Service. I destroy all trace of this list cor.  
and at this point I set a malpais stone 30 x 16 x 12 ins.  
20 ins. in the ground, over a small stone marked with a  
(+), chiseled 1 - H E S 321 on NE. face; raise a mound  
of stone 3 ft. base, 2 ft. high, NE. of cor. from which:

An oak 6 ins. dia. bears S. 33° 31' E. 44 lks.  
dist., scribed 1 H E S 321 B T.

An oak 8 ins. dia. bears N. 15° 31' E. 20 lks.  
dist., marked 1 H E S 321 B T.

Cor. No. 2, N. E. S. 322 of J. R. Alexander's  
claim bears S. 27° 30' E. 15.68 chs. dist.



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains	Lat. $34^{\circ} 20' 58''$ N. Long. $111^{\circ} 52'$ W. Mag. var. 19 a.m., $14^{\circ} 45'$ E. Mean mag. decl. $14^{\circ} 42'$ E.
	Thence N. $23^{\circ} 19'$ E. Descend 10 ft. to Creek, in timber.
2.40	Fence bears NE. and SW.
2.70	Sycamore Creek, 30 lks. wide, banks 8 ft. high, course W. Ascend 25 ft. to cor.
6.65	Fence bears NW. and SE.
6.85	To cor. No. 2. Identical with cor. H-1 of the list survey which is a malpais stone 4 x 2 x 2 feet above ground marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and mark a cross on top of same boulder and 2 - H E S 321 on SE. face; and raise a mound of stone 3 ft. base, 2 ft. high, SE. of cor. from which: A hackberry 6 ins. dia. bears S. $34^{\circ} 24'$ W. 35 lks. dist., scribed 2 H E S 321 B.T. An oak 8 ins. dia. bears N. $15^{\circ} 31'$ E. 20 lks. scribed 2 H E S 321 B.T.
	Thence S. $89^{\circ} 02'$ E. Ascend along open south slope 60 ft.
3.40	Road bears NNW. and SE.
27.56	Top ascent, descend 60 ft. to wash.
36.15	Wash 25 lks. wide, banks 3 ft. high, course south. Ascend 15 ft. to cor.
38.82	To cor. No. 3. Identical with cor. H-6 of the list survey which is a malpais stone marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point, I set a malpais stone 30 x 12



HOMESTEAD ENTRY SURVEY NO. 321

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains

x 8 ins., 20 ins. in ground, over a small stone marked with a cross, chiseled 3 - H E S 321 on SW. face; and raise a mound of stone 3 ft. base, 2 ft.

high, SW. of cor. from which:

An oak 5 ins. dia. bears N. 45° 54' W. 144 lks. dist., scribed 3 H E S 321 B T.

An oak 8 ins. dia. bears N. 77° 49' W. 158 lks. dist., scribed 3 H E S 321 B T.

Thence S. 7° 07' W.

Descend 20 ft. to Creek.

1.60 Fence bears NW. and SE.

3.05 Sycamore Creek, 150 lks. wide, banks 6 ft. high, course

WNW. Ascend 10 ft. to cor.

4.50 Fence bears N. 37° E. and S. 37° W.

4.94 To cor. No. 4.

Identical with cor. H-5 of the list survey which is a

sandstone 8 x 6 x 4 feet above ground marked and

witnessed as described by the Forest Service. I des-

troys all trace of this list cor. and mark a cross on

top of same boulder and 4 - H E S 321 on NW. face; and

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

NW. of cor. from which:

An oak 10 ins. dia. bears N. 83° 09' W. 48 lks. dist. marked 4 H E S 321 B T.

A sycamore 28 ins. dia. bears N. 51° 20' W. 22 lks. dist. marked 4 H E S 321 B T.

Thence S. 73° 07' W.

0.40 Ditch 3 lks. wide, course SW.

0.45 Fence bears NE. and SW. Along foot of N. slope.

7.90 Ditch, 3 lks. wide, course W. Ascend 10 ft. to point of

hill.

8.00 Fence bears E. and W.



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains	
9.00	Point of hill. Descend 10 ft. to cor.
11.64	To cor. No. 5.
	<p>Which is a point 2 lks. south of cor. H-4 of the list survey, which is a white oak 24 ins. in dia., marked and witnessed as described by the Forest Service.</p> <p>I destroy all trace of this list cor. and at the point for cor. No. 5, I set a malpais stone 24 x 13 x 8 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled 5 - H E S 321 on NW. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NW. of cor. from which:</p>
	<p>A walnut 8 ins. dia. bears S. 71° 05' W. 92 lks. dist. scribed 5 H E S 321 B T.</p>
	<p>A walnut 8 ins. dia. bears N. 19° 07' W. 61 lks. dist. scribed 5 H E S 321 B T.</p>
	<hr/> <p>Thence S. 40° 50' W.</p>
	<p>Over level land along fence.</p>
4.20	Leave fence bears SW.
5.64	To cor. No. 6.
	<p>Identical with cor. H-3 of the list survey which is a sandstone marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. and at this point set a sandstone 24 x 12 x 8 ins., 14 ins. in the ground over a small stone marked with a cross, chiseled 6 - H E S 321 on N. face; and raise a mound of stone 2 ft. base, 1-1/2 ft. high, N. of cor. from which:</p> <p>A walnut 8 ins. dia. bears N. 44° 56' E. 129 lks. dist., scribed 6 H E S 321 B T.</p> <p>An oak 6 ins. dia. bears S. 45° 10' E. 71 lks. dist., scribed 6 H E S 321 B T.</p>



Chains

Thence N. 75° 12' W.

Descend 10 ft. to wash.

1.25 Fence bears N. 70° E. and S. 70° W.

7.70 Fence bears NW. and SE. Enter timber.

9.80 Enter wash, 30 lks. wide, banks 3 ft. high. Continue along wash.

12.10 Leave wash. Along foot of NE. slope. Descend 10 ft. to cor.

17.10 Road bears N. and S.

26.95 To cor. No. 1, place of beginning.

AREA.

Total area - - - - - 35.60 Acres.

IMPROVEMENTS.

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

A log cabin 24 x 20 ft., the long side of which bears E. and W. and NW. cor. of which bears S. 47° 15' E. 3.63 chs. dist. from cor. No. 2.

Value - - - - - \$150.00

A frame dwelling 32 x 24 ft., the long side of which bears E. and W. and SW. cor. of which bears S. 51° 41' E. 12.40 chs. dist. from cor. No. 2.

Value - - - - - \$500.00

A frame shop 10 x 12 ft. the long side of which bears E. and W., the SW. cor. of which bears S. 54° 30' E. 12.05 chs. dist. from cor. No. 2.

Value - - - - - \$ 25.00

There is approximately 3/4 mile of wire fence.

Value - - - - - \$ 75.00



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains DESCRIPTION.

This claim is situated on Sycamore Creek at the foot of Mt. Thomas, at an elevation of approximately 5200 ft. The general slope is west with NW., NE. and S. exposures. The south exposure is open, steep, and rocky. The NW. and NE. exposures lie on foot of hill and remainder is wooded, cultivated bottom. The cultivated land consists of approximately 12 acres in eastern portion of which 8 acres is a bearing orchard. Sycamore Creek furnishes water for irrigation for portion of year and water for domestic use. The hillsides are rough, rocky and non-tillable; the bottom land is a rich sandy loam and very fertile. I saw no indications of mineral upon this claim.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicting or adjoining claims. H. E. S. No. 322 of J. R. Alexander is approximately 15 chs. to the south. The power line of the Arizona Power Company as constructed on the ground lies approximately 2-1/2 miles to North and H. E. S. No. 44 lies on Houston Creek several miles to East. Mayer, the nearest railroad and post office, is approximately 25 miles to West, 10 miles of which is over poor wagon road.

Cor.	Course	Dist.	TRAVERSE.			
			N.	S.	E.	W.
1-2	N. 23° 19' E.	6.85	6.29		2.71	
2-3	S. 89° 02' E.	38.82		0.65	38.81	
3-4	S. 7° 07' W.	4.94		4.90		0.61
4-5	S. 73° 07' W.	11.64		3.38		11.14
5-6	S. 40° 50' W.	5.64		4.27		3.69
6-1	N. 75° 12' W.	26.95	6.88			26.06
		94.84	13.17	13.20	41.52	41.50
				13.17	41.50	
Error in Lat. and Dep.				0.03	0.02	

Closing error 1:2630



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains April 14, 1915.

This claim is situated on Spycamore Creek at the foot of  
 Cor. No. 1 to U. S. L. M. No. 321 H. E. S.

Course	Dist.	N.	S.	E.	W.
1 - Sta. 1	S. 76° 26'	E.	8.56	2.01	8.32
Sta. 1 - Sta. 2	S. 4° 43'	W.	7.15	7.13	.59
Sta. 2 - Sta. 3	S. 5° 53'	W.	4.80	4.77	.49
Sta. 3 - U. S. L. M.	N. 76° 57'	W.	17.02	3.84	16.58
			37.53	3.84	13.91
				3.84	8.32
				10.07	9.34

Log. 9.34 = 0.970347  
 Log. 10.07 = 1.003029  
 Log. Tan. x = 9.967318  
 Log. 10.07 = 1.003029  
 Log. cos. 42° 51' = 9.865185

Log. x = 1.137844  
 There are no contours or adjoining claims. H. E. S. x = 13.74  
 U. S. L. M. therefore bears S. 42° 51' W. 13.74 chs.  
 dist. from cor. No. 1.

The power line of the Arizona Power Company as constructed  
 Survey completed April 15, 1915.

on the ground lies approximately 2 1/2 miles to North  
 and H. E. S. No. 44 lies on Houston Creek several miles

*R. P. A. Johnson*  
 Surveyor - Draftsman.

Cor.	Course	Dist.	N.	S.	E.	W.
1-2	N. 23° 18'	6.85	6.85			
2-3	S. 29° 03'	38.83		38.83		
3-4	S. 7° 07'	4.94		4.90		0.61
4-5	S. 73° 07'	11.64		3.38		11.14
5-6	S. 40° 50'	8.64		4.27		8.63
6-1	N. 43° 13'	26.95	8.88			28.08
		94.84	13.17	13.30	41.83	41.80
			13.17	11.11		
				0.08		0.08

Error in lat. and dep.  
 Closing error 1:3630



HOMESTEAD ENTRY SURVEY NO. 321

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Azimuth Computation April 15, 1915.

Lat. 34° 20' 58" N. Long. 111° 52' W. Elevation 5200 ft.

Telescope	Time	Horizontal Angle.	Vertical Angle.
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Direct 8h. 53m. 10s. 70° 43' 41° 05'

Reverse 8h. 54m. 00s. 71° 16' 40° 43'

2) 17h. 47m. 10s. 141° 59' 81° 48'

8h. 53m. 35s. 70° 59' 30" 40° 54'

4h. 32m. 32s. 56" 40° 53' 04"

4h. 21m. 03s. 40° 53' 04"

Dec. 9° 32' 36"

$$\cos. Q = \frac{\sin. 9^\circ 32' 36''}{\cos. 34^\circ 20' 58'' \times \cos. 40^\circ 53' 04''}$$

$$\tan. 34^\circ 20' 58'' \times \tan. 40^\circ 53' 04''$$

log. sin. 9° 32' 36" N. = -9.219567 ✓  
 log. cos. 34° 20' 58" = +9.916776 ✓  
 log. cos. 40° 53' 04" = +9.878540 ✓  
 9.424251 ✓ = log. .26561 ✓

log. tan. 34° 20' 58" = +9.834687 ✓  
 log. tan. 40° 53' 04" = +9.937394 ✓  
 9.772081 = -log. .59167 ✓  
 cos. Q = .32606  
 Q = 70° 58' 13" ✓

Bearing of object N. 0° 01' 17" E.

Latitude April 13, 1915.

Telescope	Sun's limb.	Vertical Angle.
-----------	-------------	-----------------

Direct Upper 64° 47'

Reverse Lower 64° 16'

2) 129° 03'

Apparent Alt. sun's center 64° 31' 30"

Ref. correction - 23" 64° 31' 07"

Dec. 8° 52' 05" ✓

Co. Lat. 55° 39' 02" ✓

Lat. = 90° - 55° 39' 02" ✓

Lat. = 34° 20' 58" ✓



Chains

Time. April 13, 1915.

Watch time of passage right limb 12h. 01m. 46s.

Watch time of passage left limb 12h. 03m. 52s.

2) 24h. 05m. 38s.

Watch time apparent noon 12h. 02m. 49s.

Time correction 48s.

Watch time noon 12h. 03m. 37s.

Noon 12h. 00m. 00s.

Watch fast l.m.t. 03m. 37s.

Bearing of object N. 0° 01' 14" E.

log. tan. 40° 33' 04" = +0.937394  
 log. tan. 34° 30' 58" = +0.834987  
 log. cos. 40° 33' 04" = +0.878840  
 log. cos. 34° 30' 58" = +0.916778  
 log. sin. 9° 32' 38" N. = -0.219887

tan. 34° 30' 58" x tan. 40° 33' 04" = 0.472281  
 log. tan. 34° 30' 58" = +0.834987  
 log. tan. 40° 33' 04" = +0.937394  
 log. tan. 34° 30' 58" = +0.834987  
 log. tan. 40° 33' 04" = +0.937394  
 log. cos. 40° 33' 04" = +0.878840  
 log. cos. 34° 30' 58" = +0.916778  
 log. sin. 9° 32' 38" N. = -0.219887

cos. 9° = 0.987688  
 cos. 34° 30' 58" = 0.822982  
 cos. 40° 33' 04" = 0.761538

log. cos. 9° = 0.005312  
 log. cos. 34° 30' 58" = 0.015018  
 log. cos. 40° 33' 04" = 0.022462

log. sin. 9° 32' 38" N. = -0.219887  
 log. sin. 34° 30' 58" = 0.017553  
 log. sin. 40° 33' 04" = 0.041774

Latitude April 13, 1915.

Telescope Direct Reverse

Sun's limb Upper Lower

Vertical Angle 64° 47' 64° 18'

Apparent Alt. sun's center 64° 31' 30"

Ref. correction 64° 31' 07"

Dec. 8° 58' 05"

Co. Lat. 55° 39' 03"

Lat. = 90° - 55° 39' 03" = 34° 30' 58"

Lat. = 34° 30' 58"



DIRECTIONS.—1. Carry out calculation 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. 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.

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. 321, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	N. 23° 19' E.	6.85	6 29		2 71		2 71	17 05	
2-3	S. 89° 02' E.	38.82		<sup>64</sup> 65	2 71 <sup>80</sup> 38 81		44 22		28 30 ✓
3-4	S. 7° 07' W.	4.94		4 90		61	82 41		403 81 ✓
4-5	S. 73° 07' W.	11.64		<sup>37</sup> 3 38		11 14	70 66		238 12 ✓
5-6	S. 40° 50' W.	5.64		4 27		3 69	55 83		238 39 ✓
6-1	N. 75° 15' W.	26.95	<sup>89</sup> 6 88			26 06	26 07	179 62 ✓	
		94.84	13 17	13 20	41 52	41 50		196 67	908 62
			<sup>18</sup> 13 18	<sup>18</sup> 13 18	<sup>51</sup> 41 51	<sup>51</sup> 41 51		196 67	
									20)711 95
									35 597
									Acres.
Closing Error 1:2630									

15

EMT



APPROVAL

Office of the United States Surveyor General,

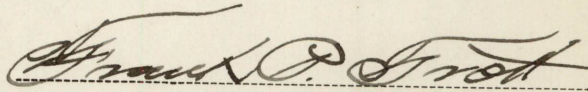
Phoenix, Arizona, August 14, 1917

The foregoing field notes of Homestead Entry Survey No.

321

executed by R. P. A. Johnson, Surveyor-Draftsman,  
under his special instructions, dated February 11, 1915, having  
been critically examined, and the necessary corrections and explanations  
made, the said field notes, and the surveys they describe, are hereby  
approved.

[Forest Service Title.]

  
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.

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Frank P. Trott  
U. S. Surveyor General.