

ORIGINAL

U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 504

SITUATED IN THE **APACHE** NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3
Approximately

In Section 6, unsurveyed, Township 4 N., Range 30 E.

Also Establishment of U. S. L. M. No. 504 H. E. S.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA

Applicant for listing **H. R. Hynson,**

Residence **Alpine, Arizona**

Application No. **291**, dated **October 24**, 19**13**

List No. **3-3112**, dated **March 30**, 19**14**

Applicant for survey **Carlos Carl Cleveland**

Residence **Alpine, Arizona**

H. E. No. **025602**, dated **August 18**, 19**14**

Office
Land ~~District~~ **Phoenix, Arizona**

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

Under special instructions dated **September 5**, 19**16**

Survey commenced **September 11**, 19**16**

Survey completed **September 13**, 19**16**

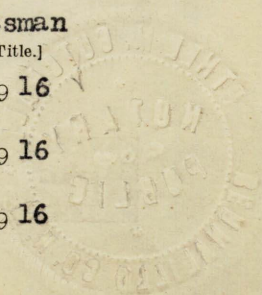
Under Acts of **June 11, 1906 and August 11, 1916**

2505-2-27 10-11-18

AUG 2-1917

MAY 2 1918

JUL 11 1918



OATH OF ASSISTANTS

We hereby certify that we assisted

R. P. A. Johnson
Surveyor Draftsman [Forest Service Title.] in surveying all those

parts or portions of Homestead Entry Survey No. *504*, 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 established, according to the instructions furnished 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.

Chester A. Lee, Chairman
Howard B. Fickett,
Chainman

Subscribed and sworn to before me this *twenty seventh* day of *September*, 19*16*.

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 instructions of the United States Surveyor General for *Arizona*, dated *September 5, 1916*, 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 patent, No. *3-3112*, dated *March 30, 1914*, for *June 11, 1906*, under the Act of *1906*, the same to be known as Homestead Entry Survey No. *504*, situated within the *Apache* National Forest, in *approximately* unsurveyed Section *6*, Township *41N*, Range *30E*, and surveyed Section *---*, Township *---*, Range *---*,

of the *Gila and Salt River Base 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.

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

Subscribed and sworn to before me this *twelfth* day of *April*, 19*17*.

Ethel M. Gutchall
Notary Public



My Commission expires Mar. 17 1921

Chains

Applicant for listing, H. R. Hynson; Application No. 291 dated October 24, 1913; List No. 3-3112, dated March 30, 1914; H. E. 025602, made in the Phoenix Land Office on August 18, 1914 by Carlos Carl Cleveland.

Surveyed under special instructions from the Surveyor General for Arizona, dated September 5, 1916 and designated as Homestead Entry Survey No. 504.

Situated in what will probably be, when surveyed, Sec. 6, T. 4 N., R. 30 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

Surveyed under the Acts of June 11, 1906 and August 11, 1916.

Survey commenced September 11, 1916 and executed with a Buff and Buff transit equipped with Smith solar attachment.

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

All distances are horizontal and were reduced from measurements made directly on the slope with a 500 link steel tape. The slope angles were determined with a clinometer.

September 12, 1916.

At 8h. 06.8m. p.m., l.m.t., I observe Polaris for azimuth at Eastern Elongation at cor. No. 1, hereinafter described, with telescope direct and reversed. The reading on the reference object is set at zero, the mean horizontal angle West of star $1^{\circ} 20'$. The azimuth of Polaris at elongation is $1^{\circ} 22' 16''$, therefore reference object bears N. $0^{\circ} 02' 16''$ E.

Lat. $33^{\circ} 42' 46''$ N., Long. $109^{\circ} 17' 08''$ W., from special instructions from the Surveyor General and

2.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains later verified.
September 13, 1916.
At 8h. 02.9m. p.m., l.m.t., I again observe Polaris for azimuth at Eastern Elongation at same station, with telescope direct and reversed. The reading on reference object is set at zero and the mean horizontal angle West of star is $1^{\circ} 20' 15''$. The azimuth of Polaris at elongation is $1^{\circ} 22' 16''$ E., therefore reference object bears N. $0^{\circ} 02' 01''$ E.
The mean of these two observations is N. $0^{\circ} 02' 09''$ E. and to the corresponding meridian all the courses of this survey are referred.

September 11, 1916.
There being no cor. of the public land surveys or U. S. L. M. within two miles, I establish U. S. L. M. No. 504 H. E. S. on top of a lava bluff approximately 5.00 chs. NE. of Beaver Creek. I mark + U S L M No. 504 H E S on top of a lava bluff 6 x 6 x 8 ft. above ground, and raise a mound of stone 11 ft. base, 9 ft. high W. of monument, whence:

A yellow pine, 18 ins. dia., bears N. $52^{\circ} 32'$ E., 101 lks. dist., scribed U S L M

No 504 H E S + B T.

A yellow pine, 10 ins. dia., bears S. $42^{\circ} 45'$ E., 74 lks. dist., scribed U S L M

No 504 H E S + B T.

A yellow pine, 16 ins. dia., bears N. $33^{\circ} 08'$ W., 76 lks. dist., scribed U S L M

No 504 H E S + B T.

Cor. No. 1, H. E. S. 505, which is a lava stone 7 x 7 x 10 ins. above ground, marked 1 H E S 505, bears S. $2^{\circ} 10'$ E., 4.68 chs.

HOMESTEAD ENTRY SURVEY NO. 504

TAPACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

dist. by direct measurement.

Cor. No. 1 H. E. S. 504, hereinafter described, bears N. 72° 12' 16" W., 100.03 chs. dist., by traverse which appears at the end of these notes.

Cor. No. 1 H. E. S. 483, which is a lava stone 16 x 8 x 10 ins. above ground, marked 1 H E S 483 on E. face, bears N. 70° 15' 04" W., 282.84 chs. dist. by traverse which appears at the end of these notes.

Cor. No. 1 H E S 480, which is a lava stone 10 x 8 x 10 ins. above ground, marked 1 H E S 480 on W. face, bears N. 74° 07' 53" W., 333.90 chs. dist. by traverse which appears at the end of these notes.

Cor. for Secs. 19, 24, 25 and 30, T. 4 N., Rs. 28 and 29 E., which is a lava stone 10 x 5 x 10 ins. above ground with 2 notches on South and 4 notches on North face, bears N. 83° 17' 03" W. 410.19 chs. dist. by traverse which appears at the end of these notes.

See notes
H. E. S. 616

Junction of Thomas and Beaver Creeks bears S. 36° 59' E., approximately 33 chs. dist.

September 11, 1916.

September 13, 1916.

BOUNDARIES OF CLAIM

Beginning at cor. No. 1.

Identical with cor. H-2 of the list survey, which is a lava stone 10 x 9 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 5 x 4 x 1 ins. marked with a +, 14 ins. in the

Chains

ground, over which set a lava stone 12 x 6 x 24 ins.,
chiseled + for the point and 1 - H E S 504 on N. face;
and raise a mound of stone 3 ft. base, 2 ft. high N.
of cor., whence:

An Engelmann Spruce, 18 ins. dia., bears

N. 85° 58' E., 74 lks. dist., scribed

1 H E S 504 + B T.

A yellow pine, 24 ins. dia., bears N. 69° 50' W.,

154 lks. dist., scribed 1 H E S 504 + B T.

U. S. L. M. No. 504 H. E. S. heretofore de-

scribed, bears S. 72° 12' 16" E., 100.03 chs.

dist. by traverse which appears at the end of

these notes.

Lat. 33° 42' 46" N., Long. 109° 17' 08" W., from special

instructions from the Surveyor General and later veri-

fied.

Mag. decl. at 8 a.m. 14° 40' E. Mean mag. decl. 14°

37' E.

Thence N. 54° 43' W.

0.25 Running water 1 lk. wide, 1 in. deep, course NNW.

Ascend 50 ft. in timber to bench.

5.50 Fence cor., fence bears NE. and along line.

7.20 Top of bench, bears NE. and SW. Thence over level
timbered land.

8.10 Edge of bench. Descend 55 ft. to arroyo in timber.

22.25 Fence cor., fence bears NE. Leave fence.

29.15 Arroyo, 10 lks. wide, banks 1 ft. high, course NE.

Ascend 30 ft. in scattered timber to cor.

39.36 To cor. No. 2.

Identical with cor. H-1 of the list survey, which is a

lava stone 8 x 6 x 8 ins. above ground, marked and

witnessed as described by the Forest Service. I de-

stroy all trace of this list cor. Deposit a lava

stone 5 x 4 x 2 ins. marked with a+, 14 ins. in the

See notes
H.E.S. 573.

Chains

ground, over which set a lava stone 24 x 16 x 8 ins. chiseled + for the point and 2 - H E S 504 on E. face; and raise a mound of stone 3 ft. base, 2 ft. high E. of cor., whence:

A yellow pine, 18 ins. dia., bears N. 76° 40' W., 42 lks. dist., scribed 2 H E S 504 + B T.

A yellow pine, 24 ins. dia., bears N. 6° 33' W., 85 lks. dist., scribed 2 H E S 504 + B T.

Thence N. 37° 10' E.

Descend open slope 40 ft. to creek.

22.90 Left bank Beaver Creek, 3 ft. high.

23.10 Beaver Creek, running water 20 lks. wide, 6 ins. deep, course NW.

23.50 Right bank Beaver Creek, 3 ft. high. Ascend steep slope 40 ft. to cor. in scattered timber.

27.26 To cor. No. 3.

Identical with cor. H-5 of the list survey, which is a lava stone 16 x 24 x 30 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 5 x 4 x 2 ins. marked with a +, 16 ins. in the ground, over which set a lava stone 26 x 16 x 14 ins., chiseled + for the point and 3 - H E S 504 on S. face; and raise a mound of stone 3 ft. base, 2 ft. high S. of cor., whence:

A yellow pine, 24 ins. dia., bears S. 39° 24' E., 55 lks. dist., scribed 3 H E S 504 + B T.

A yellow pine, 8 ins. dia., bears S. 55° 40' W., 64 lks. dist., scribed 3 H E S 504 + B T.

Thence S. 0° 34' W.

Descend along steep W. slope in scattered timber 40

Chains	ft. to creek.
4.00	Foot of slope. Enter open bottom.
6.10	Right bank Beaver Creek, 3 ft. high.
6.30	Beaver Creek, running water 20 lks. wide, 6 ins. deep, course NW.
6.65	Left bank Beaver Creek, 3 ft. high.
10.00	Left bank Beaver Creek, 3 ft. high. Continue up Beaver Creek.
16.80	Right bank Beaver Creek, 3 ft. high.
20.00	To cor. No. 4. Identical with cor. H-4 of the list survey, which is a lava stone 18 x 5 x 12 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava stone 3 x 3 x 3 ins. marked with a +, 14 ins. in the ground, over which set a lava stone 24 x 10 x 8 ins., chiseled + for the point and 4 - H E S 504 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., whence: A yellow pine, 28 ins. dia., bears N. 29° 30' E., 53 lks. dist., scribed 4 H E S 504 + B T. A yellow pine, 6 ins. dia., bears S. 51° 30' E., 58 lks. dist., scribed 4 H E S 504 + B T. <hr/> Thence S. 49° 53' E. Ascend 50 ft. to ridge in timber.
4.90	Top ridge bears NE. and SW. Descend 40 ft. to creek.
9.10	Arroyo, 15 lks. wide, 6 ft. deep, course SSW. Ascend 20 ft. along SW. slope in timber to cor.
20.87	To cor. No. 5. Identical with cor. H-3 of the list survey, which is a lava stone 12 x 6 x 6 ins. above ground, marked and witnessed as described by the Forest Service. I destroy all trace of this list cor. Deposit a lava

Chains

stone 4 x 4 x 2 ins. marked with a + 14 ins. in the ground, over which set a lava stone 24 x 12 x 12 ins. chiseled + for the point and 5 - H E S 504 on W. face; and raise a mound of stone 3 ft. base, 2 ft. high W. of cor., whence:

A yellow pine, 26 ins. dia., bears N. 29° 30' W., 31 lks. dist., scribed 5 H E S 504 + B T.

A yellow pine, 8 ins. dia., bears S. 58° W., 58 lks. dist., scribed 5 H E S 504 + B T.

Thence S. 0° 35' W.

Descend 25 ft. in timber to bottom.

1.88 Fence, bears NW. and SE. Enter bottom and cultivated land.

4.52 Fence, bears SW. and NE. Leave cultivated land.

5.15 Right bank Beaver Creek, 6 ft. high.

5.30 Beaver Creek, running water 20 lks. wide, 6 ins. deep, course WNW.

5.65 Left bank Beaver Creek, 6 ft. high. Ascend 15 ft. to point in timber.

7.50 Point of hill, bears NW. and SE. Descend 15 ft. along W. slope in timber to cor.

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

AREA

Total Area - - - - - 46.29 acres

IMPROVEMENTS

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

A log dwelling, 20 x 16 ft., the long side of which bears NW. and SE., the W. cor. of which bears S. 76° 42' E., 25.45 chs. dist. from cor. No. 2.

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APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains Value - - - - - \$100.00
There is approximately 5/8 of a mile of wire fence.
Value - - - - - \$ 70.00

DESCRIPTION:

This claim lies along Beaver Creek at an elevation of approximately 7700 ft. The general slope is to the North. The claim consists of bottom land along Beaver Creek, steep slopes along E. boundaries and a long gradual slope to bottom in the NW.

The soil in bottom land is a rich black loam, fertile and producing good crops. The soil on the gradual gentle slope is a clayey loam of good depth and fertile. The steep slopes are rocky and non-agricultural. The timber consists of a mixed stand of pine and fir along all boundary lines except 2-3. Beaver Creek furnishes sufficient water for both irrigation and domestic use.

I saw no indications of mineral upon the claim.
There are approximately 8 acres in cultivation.

CONFLICTS AND ADJOINING CLAIMS

There are no known conflicting or adjoining claims. Alpine, Arizona, the nearest post office, is approximately 23 miles dist. by poor road. Springerville, Arizona, the nearest commercial center, is approximately 50 miles dist. H. E. S. No. 505 is about 1/4 miles southeast

TRAVERSE

Cor.	Course	Dist.	N	S	E	W
1-2	N. 54° 43' W.	39.36	22.74			32.13
2-3	N. 37° 10' E.	27.26	21.72		16.47	
3-4	S. 0° 34' W.	20.00		20.00		0.20
4-5	S. 49° 53' E.	20.87		13.45	15.96	
5-1	S. 0° 35' W.	10.95		10.95		0.11
		118.44	44.46	44.40	32.43	32.44
			44.40			32.43
	Error in Lat. and Dep.		.06			.01

HOMESTEAD ENTRY SURVEY NO. 504

APACHE NATIONAL FOREST

STATE OF ARIZONA

Chains

Closing error, 1:1947

Tie U.S.L.M. No. 504 H.E.S. to cor. No. 1,
H.E.S. 504

Course	Dist.	N	S	E	W
S. 2° 10' E.	4.68		4.68	0.18	
S. 23° 46' E.	7.51		6.87	3.03	
N. 23° 34' W.	24.51	22.47			9.80
N. 79° 54' W.	25.00	4.38			24.61
N. 79° 21' W.	19.83	3.66			19.49
N. 40° 46' W.	34.00	25.75			22.20
S. 72° 27' W.	21.80		6.57		20.79
N. 23° 10' W.	3.68	3.38			1.45
S. 0° 35' W.	10.95		10.95		0.11
		59.64	29.07	3.21	98.45
		29.07			3.21
		30.57			95.24

Resultant course N. 72° 12' 16" W., 100.03 chs.

Tie U.S.L.M. to cor. to secs. 24, 25, 19 and 30.

Course	Dist.	N	S	E	W
N. 72° 12' 16" W.	100.03	30.57			95.24
N. 54° 43' W.	39.36	22.74			32.13
N. 68° 30' W.	4.04	1.48			3.76
S. 66° 57' W.	2.67		1.05		2.46
N. 74° 55' W.	9.98	2.60			9.64
N. 69° 50' W.	40.92	14.11			38.41
N. 48° 58' W.	13.00	8.53			9.81
N. 46° 36' W.	29.00	19.93			21.07
S. 39° 57' W.	46.50		35.65		29.86
N. 36° 24' W.	40.14	32.31			23.82
S. 23° 05' W.	28.00		25.76		10.98
S. 65° 34' W.	26.09		10.79		23.75
N. 32° 06' W.	38.10	32.28			20.25
S. 81° 06' W.	53.00		8.20		52.36
S. 42° 05' W.	45.39		33.69		30.42
S. 67° 07' W.	3.71		1.44		3.42
		164.55	116.58	0.00	407.38
		116.58			0.00
		47.97			407.38

Resultant Course N. 83° 17' 03" W., 410.19 chs.

Tie U.S.L.M. No. 504 H.E.S. to cor. No. 1 H.E.S. 483

Course	Dist.	N	S	E	W
N. 72° 12' 16" W.	100.03	30.57			95.24
N. 54° 43' W.	39.36	22.74			32.13
N. 68° 30' W.	4.04	1.48			3.76
S. 66° 57' W.	2.67		1.05		2.46
N. 74° 55' W.	9.98	2.60			9.64
N. 69° 50' W.	40.92	14.11			38.41
N. 48° 58' W.	13.00	8.53			9.81
N. 46° 36' W.	29.00	19.93			21.07
S. 39° 57' W.	46.50		35.65		29.86
N. 36° 24' W.	40.14	32.31			23.82
		132.27	36.70	0.00	266.20
		36.70			0.00
		95.57			266.20

Resultant course S. 70° 15' 04" E. 282.84 chs.

Chains

Tie U.S.L.M. 504 to cor. No. 1, H.E.S. 480.

Course	Dist.	N	S	E	W
N. 70°15'04" W.	282.84	95.57			266.20
S. 23° 05' W.	28.00		25.76		10.98
S. 65° 34' W.	26.09		10.79		23.75
N. 32° 06' W.	38.10	32.28			20.25
		127.85	36.55	0.00	321.18
			36.55		0.00
Resultant course S 74°07'53" E. 333.90 chs.		91.30			321.18

Tie U.S.L.M. to cor. for Secs. 19, 24, 25 and 30,
T. 4 N., Rs. 28 and 29 E.

Course	Dist.	N	S	E	W
N. 74°07'53" W.	333.90	91.30			321.18
S. 81° 06' W.	53.00		8.20		52.36
S. 42° 05' W.	45.39		33.69		30.42
S. 67° 07' W.	3.71		1.44		3.42
		91.30	43.33	0.00	407.38
			43.33		0.00
Resultant course S 83°17'03" E. 410.19 chs.		47.97			407.38

Survey completed September 13, 1916.

The location of this claim as recorded in the list survey is in unsurveyed Sec. 30, T. 4 N., R. 30 E., which location was found to be erroneous by tie from cor. to secs. 19, 24, 25 and 30, T. 4 N., Rs. 28 and 29 E. to U.S.L.M. No. 504 H.E.S., previously recorded in these notes.

R.P. Johnson
Surveyor - Draftsman

DIRECTIONS.—1. Carry out calculations to two decimals only.

2. In balancing Latitudes and Departures do not obliterate or change the original figures, but put below them the corrected footing in red ink.

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 for balancing fallings should be proportional to the lengths of the lines.

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. 504, STATE OF Arizona.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.			DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.				
1-2	N. 54° 43' W.	39.36	22.74		16.47	32.13	32.12	729.77		
2-3	N. 37° 10' E.	27.26	21.72			0.20	16.47	357.56		
3-4	S. 0° 34' W.	20.00		20.00	15.96		32.74		655.13	
4-5	S. 49° 53' E.	20.87		13.45			48.50		652.81	
5-1	S. 0° 35' W.	10.95		10.95		0.11	64.35		705.28	
		118.44	44.46	44.40	32.43	32.44		1087.33	2013.22	
			44.43	44.43	32.43	32.43			1087.33	
									925.89	
									46.29 Acres	
	Closing error 1:1947									

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EMH

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, November 9, 1918

The foregoing field notes of Homestead Entry Survey No.

504

executed by R. P. A. Johnson, Surveyor. Draftsman
[Forest Service Title.]
under his special instructions, dated September 5, 1916, having
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.