STATE OF IDAHO

OFFICE OF THE ATTORNEY GENERAL

LAWRENCE G. WASDEN

June 7, 2007

RECEIVED
JUN 11 2007
IDWR/North

Mr. Ken Knoblock
Idaho Department of Water Resources
7600 N. Mineral Dr., Suite 100
Coeur D'Alene, ID 83815

Re: Transmittal of Information related to Subcase No. 77-02121.

Dear Ken:

Enclosed for your review are the documents described on Attachment I. The Idaho Department of Fish and Game ordered the patent files from the National Archives, and I have also done some research at the Idaho Historical Society and the State Office of the U.S. Department of the Interior, Bureau of Land Management. I am providing all of the information that I have collected to date. I think the solution would be for the Idaho Department of Fish and Game to amend its notice of claim one more time to reflect this new information. After you have reviewed this information, please give me a phone call. I would like to include Mr. Bromley in the phone conference, as well.

Sincerely,

David J. Barber

DAVID J. BARBER
Deputy Attorney General
Natural Resources Division

DJB/ov

Encl.

cc: Chris Bromley (w. encl.)
Walton Poole (w. selected encl.)

Natural Resources Division
P.O. Box 83720, Boise, Idaho 83720-0010
Telephone: (208) 334-2400, FAX: (208) 854-8072
Located at 700 W. State Street
Joe R. Williams Building, 2nd Floor

ATTACHMENT I

1. Master Title Plats for the following townships: Twp. 24N, Rge. 11E., Twp. 23N, Rge 10E, and Twp. 24N, Rge. 10E. The last township is dated January 4,.1999.

2. Protraction Diagram for Twp, 24N, Rge. 10 E., which was filed on December 16, 1998.

3. Plats of Homestead Entry Survey Nos. 344, 699, and 711.

4. Field Notes of Homestead Entry Survey Nos. 344, 699, and 711.

5. Patents issued to William A. Stonebraker, Phillip G. Beal, and August Hotzel.

6. Serial Register Pages for Serial Nos. 011604, 022890, 017436, and 039266.

7. Excerpt from Sheila D. Reddy, *Wilderness of the Heart*, Heritage Program Payette National Forest, U.S. Department of Agriculture, Intermountain Region (Jan. 1995).

8. Excerpt from Peter Preston, *An Outline of the Cultural History of the Frank Church – River of No Return Wilderness, Heritage Program*, Payette National Forest Service, U.S. Department of Agriculture, Intermountain Region (Nov. 2001).

9. Patent files for William A. Stonebraker, Phillip G. Beal, and August Hotzel.

Form 83
Sheet No. 1
(Revised July 1, 1914)

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 344
and establishment of U.S. Location monument No. 344
SITUATED IN THE Idaho NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 4

In Sections 13-24 unsurveyed, Township 24 N., Range 10 E.
and Sec. 19 unsurveyed T. 24 N. R. 11 E.

of the

Boise Base and Meridian.

State of Idaho.

Applicant for listing Wm. A. Stonebraker.
Residence Edwardsburg, Idaho.
Application No. 71, dated July 13, 1910, and
Application No. 91, dated Sept. 27, 1915
List No. 4-1703, dated March 22, 1915, and
List No. dated

Applicant for listing G. W. Otterson,
Residence Edwardsburg, Idaho
Application No. 8, dated Sept. 16, 1906.
List No. ~~#-8~~ 740, dated ~~Dec. 11~~ Nov. 27, 1907.

Applicant for survey Wm. A. Stonebraker
Residence Edwardsburg, Idaho
H. E. No. 011604, dated July 16, 1912
Land District Hailey

Survey executed by Frank D. Maxwell Surveyor, Forest Service
(Forest Service Title.)
Under special instructions dated March 27, 1915
Survey commenced Sept. 27, 1915
Survey completed Sept. 29, 1915
Under Acts of June 11, 1906 and March 4, 1915

42-56

OATH OF ASSISTANTS

We hereby certify that we assisted Frank D. Maxwell
Surveyor-Forest Service [Forest Service Title] in surveying all those parts or portions of Homestead Entry Survey No. 344, in the State of Idaho, 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 Idaho

Dess W. Woody Chainman
Frank Foster Chainman and [illegible]

Subscribed and sworn to before me this 29th day of September, 1915.

Frank D. Maxwell
Surveyor-Forest Service

OATH OF SURVEYOR

I, Frank D. Maxwell, Surveyor-Forest Service [Forest Service Title]
do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Idaho, dated March 27, 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 application No. 91, dated Sept. 27, 1915, and in list No. 740, dated November 27, 1908, and in List, No. 4-1703, dated March 22, 1915, for Patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No. 344, situated within the Idaho National Forest, in unsurveyed Sections 13-24, Township 24 N., Range 10 E., and unsurveyed Section 19, Township 24 N., Range 11 E.

of the Boise Base and meridian, Idaho, 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.

Frank D. Maxwell
Surveyor-Forest Service [Forest Service Title]

Subscribed and sworn to before me this 30th day of November, 1915.

SEAL

H. D. McReynolds
Clerk U.S. District Court [illegible]
By Pearl E. Zenger
Deputy

HOMESTEAD ENTRY SURVEY NO. 344. 1.

IDAHO NATIONAL FOREST

STATE OF IDAHO.

Composite Survey.

Chains	
	G. W. Otterson, applicant for listing, application No. 8, dated September 16, 1906.
	Wm. A. Stonebraker, applicant for listing, application No. 71, dated July 13, 1914; and application No. 91 dated Sept. 27, 1915.
	Special Instructions dated March 27, 1915 for H.E.S. No. 344.
	Claim situated in unsurveyed Secs. 13-24, T. 24 N., R. 10 E., and unsurveyed Sec. 19, T. 24 N., R. 11 E., Boise Base and Meridian, Idaho.
	Authority contained in the Acts of June 11, 1906 and March 4, 1915.
	Survey commenced September 27, 1915, and executed with a W. & L. E. Gurley light mountain solar transit, the horizontal limb having two opposite double verniers reading to single minutes of arc, which is also the least count of the latitude and declination arcs.
	The instrument was thoroughly tested on a Standard meridian at Boise, Idaho, September 20, 1915. All measurements, unless otherwise specified, are made with ½ in. steel tape two (2) chains in length. Clinometers are used to determine slope angles and measurements are reduced to true horizontal distances.
	I examine the adjustments of the transit and correct all errors; then to test the solar apparatus, by comparing the results of observations on the sun made during A.M. and P.M. hours with a meridian determined by observation of Polaris I proceed as follows:
	September 27, 1915, at a point near claimant's house, in latitude 45° 25' N. from my observation, longitude 115° 10' W. from Idaho State map, at 7 h. 08 m. P.M., l.m.t., I observe Polaris at eastern elongation and mark the point in the line thus determined by a tack

Chains

driven in a wooden peg set in the ground, 5 chs. dist. from my station.

At same station, September 28, 1915; at 8 h. 00 m. A.M., I lay off the azimuth of Polaris 1° 37' 30" to the west and mark the meridian thus determined by wooden stake firmly set, centered with a tack, 5 chs. dist. from my station.

At same station, September 28, 1915, at 8 h. 30 m., A.M., l.m.t., I set off 1° 44' S. on the declination arc, 45° 25' N. on the latitude arc, and determine a meridian with the solar. This meridian coincides with the Polaris meridian within one minute of arc.

At same station, September 28, 1915, I set off 1° 48' S. on the declination arc, and at apparent noon I observe the sun on the meridian; the resulting latitude is 45° 25' N.

At same station, September 28, 1915; at 4:50 P.M., l.m.t. I set off 1° 50½' S. on the declination arc 45° 25' N on the latitude arc and determine a meridian with the solar; this meridian coincides with the Polaris meridian within 30 seconds of arc. I therefore conclude that my instrument is in adjustment.

Mean Mag. Dec. 19° 28' E.

Establishment of U.S. Location Monument No. 344.

There being no cor. of the public land survey or other established monument within two miles, I establish U. S. Location Monument No. 344, identical with Forest Service Monument as follows:

A granite boulder in place, 6 ft. N. and S., 4 ft. E. and

Chains

W., 2 ft. above ground, chiseled USLM-344 with a cross (x) on top of boulder.

A pine, 24 ins. dia., bears N. 11° 30' E., 139 lks. dist., blazed and scribed x-USLM-344-BT.

A granite boulder in place, 4 ft. E. and W., 4 ft. N. and S., 2½ ft. above ground, mkd. USLM-344-BR and a cross (x) on top, bears S. 56° 30' E., 49 lks. dist.

No other witnesses available,

This monument is situated on an open hillside 2.50 chs. dist. from and 50 ft. above, in a north-east direction, from the West Fork of Chamberlain Creek and about three-fourths of a mile above the confluence of the West Fork and Chamberlain Creek.

Chamberlain Basin Ranger Station is situated about 1¼ mile dist. in a southerly direction.

I destroy the markings for the Forest Service Monument and its witness.

September 27, 1915.

H.E.S. NO. 344.

Beginning at Cor. 1, I set a granite stone, 20 x 12 x 8 ins., 16 ins. in the ground, for Cor. 1, H.E.S. No. 344, mkd. 1-HES-344 on the side facing the claim with a cross (x) on top and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. within the claim.

A pine, 24 ins. dia., bears S. 55° 30' E., 2.05 lks. dist., blazed and scribed x-1-HES-344-BT.

U.S.L.M. No. 344, heretofore described, being in sight, bears S. 28° 48' E., 2.89 chs. dist.

I establish Cor. 1 at this place at claimant's suggestion from this cor., Cor. H-1 of list No. 4-2 bears S. 8° 45' E., 1.05 chs. dist., from this cor., Cor. H-6 of list No. 4-2 bears S. 53° 00' E., 2.83 chs. dist.,

Chains	
	and from this cor., Cor. H-5 of list No. 4-2 bears S. 0° 30' E., 9.22 chs. dist.; these corners marked and witnessed as described by the Sur. Gen. I destroy and obliterate all trace of the above corners, and their witnesses.
	Thence
	S. 77° 15' W.,
	Over rolling land, descend through undergrowth.
.03	Pass from unlisted land to list 4-2.
1.80	Enter creek bottom, bears NW. and SE., 60 ft. below Cor.1.
3.58	West Fork of Chamberlain Creek, 40 lks. wide, 6 ins. deep, course SE. Ascend.
4.50	Fence cor. from which fences bear NE. and S. 77° 15' W., follow fence.
6.00	Leave sagebrush and enter scattering timber, bears NW. and SE.
22.99	Intersect Cor. H-1 of list No. 4-1703 a post firmly set marked and witnessed as described by the Sur. Gen., from this cor., Cor. H-4 of list, No. 4-2, which is a wooden post, firmly set, bears S. 41° 30' E., 5.06 chs. dist., marked and witnessed as described by the Sur. Gen. I destroy and obliterate all trace of these corners and the witnesses for Cor. H-4.
	At this point I leave list 4-2 and enter list No. 4-1703.
30.70	To Cor. 2, 22 ft. above creek bottom, identical with Cor. H-2 of list No. 4-1703, a post marked and witnessed as described by the Sur. Gen., in place of which I set a granite stone, 24 x 12 x 10 ins., 14 ins. in the ground, for Cor. 2 of this survey, marked 2-HES-344 on the side facing the claim, with a cross (x) on top.
	A pine, 6 ins. dia., bears S. 75° 30' E., 186 lks. dist.
	A pine, 6 ins. dia., bears S. 37° 20' E., 161 lks. dist.

Chains	
	Both trees blazed and scribed x-2-HES-344-ST.
	I destroy the witness for listing Cor. H-2;
	Thence
	N. 29° 45' W.,
	Over rolling land, through scattering timber along claimant's fence; ascend gently
13.45	Irrigation ditch, 1 lk. wide, 2 ins. deep, course east.
15.14	Irrigation ditch, 1 lk. wide, 2 ins. deep, course E.
15.55	Wagon road, bears NE. and SW.
19.90	Spur ridge, slope to the east.
23.56	Claimant's fence, bears E. and W.
24.06	To Cor. 3, 14 ft. above Cor. 2, identical with Cor. H-3 of list No. 4-1703 which is a post firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a granite stone, 24 x 12 x 7 ins., 14 ins. in the ground, for Cor. 3 of this survey, marked 3-HES-344 on side facing the claim, with a cross (x) on top.
	A pine, 6 ins. dia., bears S. 4° 35' E., 62 lks. dist.
	A pine, 6 ins. dia., bears S. 45° 20' W., 83 lks. dist.
	Both trees blazed and scribed x-3-HES-344-ST. I destroy markings on listing corner witness
	Thence
	N. 80° 31' W.,
	Over rolling land, through scattering timber, along claimant's fence.
4.99	Trail, bears NW. and SE.
12.22	Claimant's fence, bears NE. and SW.
13.08	Claimant's fence, bears NW. and SE.
13.80	To Cor. 4, 38 ft. above Cor. 3, identical with Cor. H-4 of list No. 4-1703, a post firmly set, marked and witnessed as described by the Sur. Gen., in place of which I set a granite stone, 24 x 16 x 12 ins., 14

Chains	
	ins. in the ground, for cor.4 of this survey, marked 4-HES-344 on side facing the claim and a cross (x) on top.
	A pine, 8 ins. dia., bears N. 36° 15' E., 35 lks. dist.
	A pine, 8 ins. dia., bears N. 82° 00' W., 84 lks. dist.
	Both trees blazed and scribed x-4-HES-344-BT.
	I destroy the witness for listing Cor. H-3.
	September 27, 1915.
	Thence
	N. 50° 51' W.,
	Over rolling land, through scattering timber. Ascend.
4.28	Intersect Cor. H-5 of list No. 4-1703, from which cor. H-6 of list. No. 4-1703 bears N. 54° 55' E., 7.90 chs. dist. From last named cor., Cor. H-7 of list. No. 4-1703, identical with Cor. H-3 of list No. 4-2, bears S. 83° 00' E., 7.62 chs. dist. These cors. are posts, marked and witnessed as described by the Sur. Gen. I destroy and obliterate all trace of these corners and their witnesses.
	At this point, I pass from list 4-1703 to unlisted land.
11.58	Leave timber; enter cultivated land, bears E. and W.
15.11	Leave cultivated land; enter scattering timber, bears NE. and SW.
17.00	To Cor. 5, 49 ft. above Cor. 4, I set a granite stone, 24 x 12 x 6 ins., 14 ins. in the ground, for Cor. 5 of this survey, marked 5-HES-344 on side facing the claim, with a cross (x) on top.
	A pine, 8 ins. dia., bears N. 8° 55' W., 36 lks. dist.
	A pine, 6 ins. dia., bears N. 28° 30' E., 74 lks. dist.
	Both trees blazed and scribed x-5-HES-344-BT.

Chains	
	Thence
	N. 49° 49' E.,
	Over rolling land, through scattering timber. Ascend
16.15	Spur ridge, bears NW. and SE., 38 ft. above Cor. 5.
	Descend.
17.00	Leave scattering timber, bears NW. and SE.
33.60	Leave rolling land and enter creek bottom, bears NW. and SE.
34.80	To Cor. 6, 180 ft. below spur ridge, I set a granite stone, 28 x 10 x 6 ins., 18 ins. in the ground, for Cor. 6 of this survey, marked 6-HES-344 on side facing the claim, with a cross (x) on top.
	A pine, 8 ins. dia. bears S. 71° 15' W., 150 lks. dist.
	A pine, 6 ins. dia. bears S. 57° 20' W., 200 lks. dist.
	Both trees blazed and scribed x-6-HES-344-BT.
	September 28, 1915.
	Thence
	S. 41° 20' E.,
	Over level creek bottom land, through scattering undergrowth.
2.22	Trail bears NE. and SW.
2.92	West Fork of Chamberlain Creek, 40 lks. wide, 5 ft. deep, course SW.
7.00	Leave undergrowth; enter scattering timber bears E. and W.
10.31	Trail bears E. and S.
19.02	Intersect Cor. H-2 of list No. 4-2, a post firmly set, marked and witnessed as described by the Sur. Gen.; I destroy and obliterate all trace of this cor. and its witness.
33.60	Leave bottom and enter rolling land, bears NW. and SE.
	Continue along foot of hill.
35.60	Trail bears E. and SW.
36.14	Fence cor., from which fences bear S. 41° 20' E., and SW.; follow fence line.

HOMESTEAD ENTRY SURVEY NO. 344.

IDAHO NATIONAL FOREST

STATE OF IDAHO.

Chains	
40.00	Leave timber and undergrowth: enter grassland, bears N. and S.
46.00	Leave rolling and enter creek bottom, bears E. and W.
59.70	Leave creek bottom and enter rolling land, bears NW. and SE.
61.00	Fence cor. from which fences bear NW. and SW.
64.72	To Cor. No. 1, the place of beginning, 31 ft. above Cor. 6.

Area

Listed area included . . . . . 101.31 Acres

Unlisted area included . . . . . 58.63 "

Total area of H.E.S. No. 344 159.94 "

September 29, 1915.

Improvements

The improvements on this claim, the property of the claimant herein, consist of the following:

Log house, 16 x 24 ft., 2 stories high, course of long sides E. and W., the SW. cor. of which bears from Cor. No. 4, N. 48° 20' E., 6.53 chs. dist.

Value $ 500.00

Log barn, 34 x 60 ft., course of longsides NW. and SE., the S. cor. of which bears from Cor. No. 4, N. 53° 00' E., 2.82 chs. dist.

Value $ 400.00

Log chickenhouse, 10 x 14 ft., course of long sides NW. and SE., the S. cor. of which bears from Cor. No. 4, N. 54° 25' E., 4.75 chs. dist. Value $ 75.00

Log blacksmith shop, 12 x 12 ft., course of sides NW. and SE., the S. cor. of which bears from Cor. No. 4, N. 46° 55' E., 4.66 chs. dist. Value $ 75.00

HOMESTEAD ENTRY SURVEY NO. 344.

IDAHO NATIONAL FOREST

STATE OF IDAHO.

Chains

Log store house, 9 x 9 ft., course of sides N. and S., SW. cor. of which bears from Cor. No. 4, N. 44° 30' E., 6.35 chs. dist.

Value $ 50.00.

Log cellar house, 19 x 19 ft. on outside, inside logs, 13 x 13 ft., space between logs filled with soil also top of inside house covered with soil, course of longsides, N. and S., SW. cor. of which bears from Cor. No. 4, N. 38° 25' E., 7.29 chs. dist.

Value $ 350.00.

All buildings in excellent condition.

About 612 rods of pole and wire fence.

Value $ 200.00.

Total Value of Improvements . . . . . $1650.00.

Description

This claim is situated in Chamberlain Basin about 20 miles in a north-east direction from Edwardsburg, Idaho, which is the nearest Post Office and wagon road.

The greaterportion of the claim lies on low gently rolling hills while a portion lies along the West Fork of Chamberlain Creek, which flows in a south-east direction through the claim. The soil on the hill land, is a deep, light, sandy loam of granitic origin while the bottomland is slightly darker of the same character. 1st rate. There is a small amount of lodgepole pine on the claim which is very small. In my judgment, more timber was excluded in the course of final survey than was included on the unlisted land. The greater portion of the claim is

Form 88. Sheet No. 2. 10.

HOMESTEAD ENTRY SURVEY NO. 344.

IDAHO NATIONAL FOREST

STATE OF IDAHO.

Chains

practically cleared and with a very little work can be cultivated. The land is non-mineral in character. There is about 12 acres of the land included in this claim under cultivation, mostly hay, Timothy, alfalfa, and wild grasses; vegetables grown are carrots, beets, onions, cabbage, rutabago, and turnips. The claim of Warren E. Cook, unsurveyed, lies about 1/2 mile to the SW.

General Remarks

All changes made between the listing surveys and the final survey are made at the suggestion of the claimant, and my authority for enlarging this claim up to 160 acres is based on a letter of A. C. McCain, Assistant District Forester, Dated September 1, 1915, and made a part of my instructions. I consider an excellent showing has been made on this claim, especially in the improvements. There is bunch grass range in nearly any direction from this claim.

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer myself the required affidavits of the assistants.

September 29, 1915.

Frank D. McDowell
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 as 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 length 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. 344, STATE OF IDAHO.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
1 - 2	S. 77° 15' W.	30.70		6 78		29 94 (29 93)	107 87		~~73 86~~ 731 36	
2 - 3	N. 29° 45' W.	24.06	20 89			11 94 (11 93)	65 97	1378 11		
3 - 4	N. 86° 31' W.	13.86	84			13 83	40 19	33 76		
4 - 5	N. 50° 51' W.	17.00	10 73			13 18	13 18	141 42		
5 - 6	N. 48° 49' E.	34.80	22 91		26 19 (26 18)		26 18	599 78		
6 - 1	S. 41° 20' E.	64.72		48 60 (48 59)	42 74 (42 73)		95 09		4620 42	
		185.14	55 37	55 38	68 93	68 89		2153 07	5351 78	
				55 37	68 89				2153 07	
		Errors		01	04				20)3198 71	
			55 37	55 37	68 91	68 91		Area -	159 94	Acres

Error of Closure 1/4466

Sheet No. 5—Revised Feb., 1916.

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. 344, STATE OF IDAHO.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	Listed land included. N. AREAS.	S. AREAS.
	S. 77° 15' W.	30.07		6 64		29 33	29 33		194 75
	N. 29° 45' W.	24.06	20 89			11 94	70 60	1474 83	
	N. 86°31' W.	13.86	84			13 83	96 37	80 95	
	N. 50° 51' W.	4.28	2 70			3 32	113 58	306 50	
	N. 54° 55' E.	7.90	4 54		6 45		110 38	501 13	
	S. 83° 00' E.	7.62		93	7 56		96 36		89 61
	N. 48° 38' E.	19.76	13 06		14 83		73 97	966 05	
	S. 40° 38' E.	45.41		34 46	29 57		89 57		1018 98
	Totals	152.96	42 03	42 03	58 42	58 42		3329 46	1303 34
								1303 34	
								2) 2026 12	
								10) 1013 06	
							Area	= 101 31	Acres

Form 83
Sheet No. 4

APPROVAL

Office of the United States Surveyor General,

Boise, Idaho, January 14, 191[illegible]

The foregoing field notes of Homestead Entry Survey No. 344 and establishment of U.S. Location Monument No. 344

Situated in the Idaho National Forest

Administrative District No.4

In Secs. 13 and 24, unsurveyed, T. 24 N., R. 10 E.

and Sec. 19, unsurveyed, T. 24 N., R. 11 E.

of the Boise Base and Meridian, State of Idaho,

executed by Frank D. Maxwell, Surveyor Forest Service [illegible]

under his special instructions, dated March 27, 1915, having been critically examined, and the necessary corrections [illegible] made, the said field notes, and the surveys they describe, are hereby approved.

[signature]
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey in the State of [illegible], has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

332

333-176

Form 86 Sheet No. 1

ORIGINAL
699

333

U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY No. 699

SITUATED IN THE Idaho NATIONAL FOREST

ADMINISTRATIVE DISTRICT No. 4

In Sections 19-20, Approximately unsurveyed Township 24 N., Range 11 E.

of the

Boise Base and Meridian.

State of

State of Idaho.

COMPOSITE SURVEY.

A tract of land classified as chiefly valuable for agriculture under the Act of August 10,1912, and approved by the Secretary of Agriculture on May 20,1918.

Applicant for listing K.M.King.

Residence Alpha, Idaho.

Application No. 95, dated October 19, 1916

List No. 4-2153, dated April 17, 1917.

Applicant for survey

Residence

H. E. No. , dated , 19

Land Office Hailey.

Survey execu ed by C.A.Martin, Surveyor. (Forest Service Title)

Under special instructions dated Jan.15, 1919

Survey commenced, September 16, 1919

Survey completed October 6, 1919

Under Acts of June 11,1906 and July 24,1919. (OVER)

REC'D MAR - 4 1920

Exam. Aug. 10, 1920.

OATH OF ASSISTANTS

We hereby certify that we assisted C.A.Martin, Surveyor [Forest Service Title] in surveying all those parts or portions of Homestead Entry Survey No. 699, in the State of Idaho 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 Idaho

E. L. Weiss (Chainman)
Fred Roots "

Subscribed and sworn to before me this 6th. day of October, 1919.

C. A. Martin.
Surveyor-Forest Service

OATH OF SURVEYOR

I, C.A.Martin, Surveyor, [Forest Service Title]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Idaho, dated Jan. 15, 1919, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land classified as chiefly valuable for agriculture under the Act. of Aug. 10,1912, and a tract of land embraced

in List, No. 4-2153, dated April 17, 1917, for listing and patent, under the Act of June 11, 1906, the same to be known as Homestead Entry Survey No.699, situated within the Idaho National Forest, in Approx unsurveyed Sections 19-20, Township 24 N., Range 11 E., and surveyed Section, Township, Range

of the Boise Base and meridian, Idaho, 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.

C. A. Martin.
Surveyor [Forest Service Title]

Subscribed and sworn to before me this 25 th. day of November, 1919

SEAL

Hettie R. Patterson
Notary Public.

HOMESTEAD ENTRY SURVEY NO.699

Idaho NATIONAL FOREST

STATE OF Idaho. 1

Chains

COMPOSITE SURVEY.

A tract of land classified as chiefly valuable for agriculture, under the Act. of August 10,1912, and approved by the Secretary of agriculture on May 20, 1918, and a tract of land applied for by J.M.King, application No.95, dated October 19, 1916.

No entryman or present claimant.

Special instructions dated January 15,1919, for H.E. Survey No.699.

Claim situated approximately in unsurveyed Sections 19 and 20, Township 24 North, Range 11 East, of the Boise Base and Meridian, Idaho, in the Idaho National Forest.

Authority contained in the Acts of June 11. 1906, and July 24,1919.

Survey commenced on September 16,1919, and executed with a Berger Light Mountain Transit, No 12476, the horizontal limb having two double verniers, placed opposite each other, and reading to single minutes of the arc.

Measurement made with a Lallie 5-chain steel tape, directly on the slope, and corrected to the horizontal by means of clinometer angles.

I examine the adjustments of the transit, finding all adjustments correct.

LATITUDE DETERMINATION.

October 6, 1919; at 0 h.38.5 m.,A.M.,l.m.t., at Cor. No.4 of H.E.S.No.344 (accepted), I observe the altitude of Polaris at upper culmination for latitude.

Longitude = 115° 11' W., From forest diagram.

Observed altitude = 46° 31' 30"

Chains

From this observation I calculate the latitude of my station as 45° 23' 09.8" N.

MERIDIAN DETERMINATION.

Observation 1.

September 16,1919; at Cor. No.4 of H.E.S. No.344 (accepted), at 6 h. 14 m., P.M. l.m.t., I observe Polaris in position and mark the line of sight by a stake, firmly set, centered with a tack, 5.00 chs. dist., from my station.

Latitude and longitude previously stated.

U.C.Polaris, Sept. 17,1919- - - 1 h. 53.0 m., A.M.

Longitude correction- - - - - - 01.3 m.

L.m.t. U.C.Polaris- - - - - - - - 1 h. 51.7 m. A.M.

L.m.t. obsn.,Sept.16,1919- - - -6 h. 14 m.,P.M.

Subtract from- - - - - - - - - -12 h.

Time to midnight- - - - - - - - 5 h. 46 m.

Add- - - - - - - - - - - - - - -1 h. 51.7 m.

Argument- - - - - - - - - - - - 7 h. 37.7 m.

Azimuth of Polaris and bearing of reference stake = N. 1° 26' 45" E.

Observation 2

October 3, 1919: At Cor. No.4 of H.E.S. No.344 (accepted), at 6 h. 40 m., P.M., L.m.t., I foresight on the azimuth stake set during my observation on Polaris, September 16,1919, and recorded above, and commence to observe the Eastern progress of Polaris. When the star begins to recede I read a maximum angle of 0° 08' to the right

Latitude and longitude previously stated.

Azimuth of Polaris = N. 1° 36' 15" E.

Bearing of reference stake = N. 1° 28' 15" E.

The mean of these two observations is N. 1° 27' 30" E.

Chains

I project the corresponding meridian to Cor. No. 1 of this survey, and refer all courses of this survey to it.

Mean Magnetic Declination = 21° 30' E.

RETRACEMENT

Beginning at Cor. No.1 of H.E.S. No.344, (accepted), which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General: Cor. No.2 of H.E.S. No.344, (accepted), being in sight.

Thence

S. 77° 15' W.

On a true line between Cors. Nos.1 and 2 of H.E.S. No. 344 (accepted).

11.00 Set temporary stake for Cor. No.6 of this survey.

30.70 To Cor. No.2 of H.E.S. No. 344, (accepted), which is a granite stone, firmly set, mkd., and witnessed as described by the Surveyor General.

September 16,1919.

Beginning at Cor. No.1 of this survey, identical with Cor. No.1 of the listing survey, and identical with Cor. No.1 of H.E.S. No.344 (accepted), which is a granite stone, firmly set, heretofore described. I take the cross (+) on this stone for chaining and angle point for Cor. No.1 of this survey, and in addition mk. it,1-HES-699 on the south face, and raise a mound of stone, 4 ft. base, 2 ft. high 3½ ft. dist., within the claim.

A granite rock, in place, 2 x 4 ft., showing 6 ins. above ground, bears S. 59° 40' E., 34 lks. dist.

HOMESTEAD ENTRY SURVEY NO. 699

Idaho NATIONAL FOREST

STATE OF Idaho. 4

Chains	
	A granite rock, in place, 4 x 3 ft., showing 1 ft. above ground, bears S. 12° 17' W., 141 lks. dist.
	Both rocks mkd., + 1-HES-699-BR.
	U.S.Locating Monument No. 344 (accepted), which is a granite boulder, in place, mkd. and witnessed as described by the Surveyor General, being in sight bears S. 28° 48' E. 2.89 chs. dist.
	Thence
	N. 87° 14' E.
	Ascend over grassy south slope.
7.72	About 50 ft. above Cor. No.1
	Descend.
11.56	Dry wash course south, about 30 ft. below point of descent.
	Continue descent.
16.20	Enter grassy bottom, bears NE. and SW., about 10 ft. below dry wash.
19.38	Leave grassy bottom land, enter lodge pole timber, bears NW. and SE.
25.18	Leave lodge pole timber, enter grass land, bears NE. and SW.
36.22	Leave grass land, enter lodge pole timber, bears N. and S.
	Ascend.
56.20	Leave lodge pole timber, enter grass land, bears N. and S.
57.49	To Cor. No.2, about 40 ft. above point of ascent, identical with Cor. No.2 of the listing survey, which is a granite boulder, in place, 4 x 2 ft. showing 2 ft. above ground, mkd. and witnessed as described by the Surveyor General. I obliterate the markings on this rock for Cor. No. 2 of the listing survey, and mk. it 2-HES-699 on the side

HOMESTEAD ENTRY SURVEY NO. 699

Idaho NATIONAL FOREST

STATE OF Idaho 5

Chains	
	facing the claim, and a cross (+) on the top for Cor. No. 2 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 8 ins. in dia., bears N. 13° 42' W., 9 lks. dist.
	A lodge pole pine tree, 14 ins. in dia., bears S. 56° 27' W., 44 lks. dist.
	Both trees blazed and scribed + 2 HES-699-BT.
	I obliterate the markings on the witnesses to the listing Cor.
	September 17,1919.
	Thence
	S. 37° 44' E.
	Descend over grassland, through scattering lodge pole timber
7.40	West Fork trail, bears E. and W., about 40 ft. below Cor. No. 2
	Over level land.
8.15	West Fork trail, bears N. and S.
11.40	Enter heavy timber.
17.03	Leave timber, enter grass land, bears NW. and SE.
	Ascend.
19.09	To Cor. No.3, about 20 ft. above point of ascent, identical with Cor. No.3 of the listing survey, which is a granite boulder, in place, 2 x 2 ft., showing 1 ft. above ground, mkd. and witnessed as described by the Surveyor General. I deface the markings on this rock for Cor. No.3 of the listing survey, and mk. it 3-HES-699 on the side facing the claim, and a cross (+) on the top for Cor. No.3 of this survey; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist.,

Chains	
	within the claim.
	A lodge pole pine tree, 10 ins. in dia., bears N. 41° 08' E., .81 lks. dist.
	A lodge pole pine tree, 12 ins. in dia., bears S. 89° 01' W., 106 lks. dist.
	Both trees blazed and scribed, +-3-HES-699-BT.
	I obliterate the markings on the witnesses to the listing Cor.
	This Cor. is also identical with Cor. No. 1 of list No. 4-2172, and will be identical with Cor. No.3 of H.E.S. No.702 (unapproved), when surveyed.
	Thence
	N. 88° 48' W.
	Along line 1-2 of list No. 4-2172
	Over grass land, descend.
2.60	West Fork trail, bears NW. and SE., about 40 ft. below Cor. No.3
	Over level land.
3.44	East bank of the West Fork of Chamberlain creek, 1 ft. deep, flows SE.
3.80	West bank of the West Fork of Chamberlain creek.
5.40	Leave grass land, enter timber, bears N. and S.
9.00	Ascend.
10.50	Ridge bears N. and S., about 35 ft. above point of ascent. Leave timber, enter grass land, bears N. and S.
	Descend.
13.39	Chamberlain trail bears NW. and SE.
19.49	Along N. bank of Chamberlain creek, about 30 ft. below ridge, course SE. Over level land.
21.79	Leave N. bank of Chamberlain creek.
25.26	Touch N. bank of Chamberlain creek, course SE.
26.02	Leave grass land, enter immature timber, bears N. and S.

Chains	
	Ascend.
31.80	About 30 ft. above Chamberlain creek
	Over level land.
33.45	Chamberlain trail bears NE. and SW.
42.94	To Cor. No.4, identical with Cor. No.2, of list No. 4-2172, which is a granite stone, firmly set, mkd. and witnessed as described by the Surveyor General, in place of which I set a granite stone, 26 x 12 x 10 ins., 16 ins. in the ground, over a granite stone 6 x 6 x 4 ins., mkd. with a cross (+) for Cor. No.4 of this survey; mkd. 4-HES-699 on the side facing the claim, and a cross (+) on the top. Dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 10 ins. in dia., bears N. 48° 53' W., 31 lks. dist.
	A lodge pole pine tree, 8 ins. in dia., bears N. 1[illegible]° 12' E., 38 lks. dist.
	Both trees blazed and scribed, +-4-HES-699-BT
	I obliterate the markings on the witnesses to the listing Cor.
	This Cor. will be identical with Cor. No.2 of H.E.S. No. 702 (unapproved), when surveyed, and identical with Cor. No.2 of H.E.S. No.689 (unapproved), when surveyed.
	September 18,1919.
	Thence
	N.88° 42' W.
	Along what will be line 2-1 of H.E.S. No.689 (unapproved when surveyed.
	Descend through timber and brush.

Chains	
8.73	Edge of bottom land bears NE. and SW. about 40 ft. below Cor. No.4.
	Over level land, leave timber, enter willow brush, bears NE. and SW.
13.43	Oldtrail bears N. and S.
28.00	Set temporary stake for Cor. No.1 of H.E.S. No. 689, (unapproved).
	Ascend through scattering lodge pole timber.
30.75	To Cor. No.5, about 30 ft. above point of ascent, for which I set a lodge pole pine post, 36 ins. long, 6 ins. square, 24 ins. in the ground, over a granite stone, 8 x 6 x 6 ins., mkd. with a cross (+) for Cor. No.5 of this survey; mkd. -5-HES-699 on the side facing the claim, and a cross (+) on the top; and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree. 10 ins. in dia., bears N. 67° 08' E., 41 lks. dist.
	A lodge pole pine tree, 9 ins. in dia., bears N. 29° 34' E., 22 lks. dist.
	Both trees blazed and scribed +-5-HES-699-BT
	Cor. No.4 of the listing survey, which is a lodge pole pine tree, mkd. and witnessed as described by the Surveyor General, bears W., 3 lks. dist. I deface the markings on this Cor. and its witnesses.
	The position of this Cor. was changed slightly in order to avoid the use of a tree for a Cor.
	No stone of sufficient size available at this corner.
	Thence N. 36° 09' W.
	Leave list No. 4-2153 enter unlisted land.
	Descend through lodge pole timber.
10.88	To Cor. No.6, about 15 ft. below Cor. No.5, previously

Chains	
	mkd. by a temporary stake, on line 1-2 of H.E.S. No. 344 (accepted), in place of which I set a granite stone, 26 x 10 x 6 ins., 16 ins. in the ground, over a granite stone, 4 x 4 x 2 ins., mkd. with a cross (+) for Cor. No.6 of this survey; mkd. 6-HES-699 on the side facing the claim, and a cross (+) on the top, and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 14 ins. in dia., bears S. 39° 17' E., 168 lks. dist.
	A lodge pole pine tree, 10 ins. in dia., bears S. 57° 30' W., 39 lks. dist.
	Both trees blazed and scribed +-6-HES-699-BT.
	The position of this Cor. was changed from that called for in the special instructions in order to bring the claim within the statutory limitation of 1 mile in length.
	Cor. No.2 of H.E.S. No.344 (accepted), heretofore described, bears S. 77° 15' W., 19.70 chs. dist.
	Thence N. 77° 15' E.
	Along the south boundary of H.E.S. No.344 (accepted)
	Descend through lodgepole pine timber, along fence.
4.85	Fence Cor. from which fences bears S. 77° 15' E. and N. 45° 00' E. Leave timber, enter grassland, bears NE. and SW.
7.77	The west bank of the West Fork of Chamberlain creek, 1 ft. deep, course SE., about 20 ft. below Cor. No.6.
	Over level land.
8.18	East bank of the West Fork of Chamberlain creek.

Form 8I. Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 699

Idaho NATIONAL FOREST

STATE OF Idaho

Chains	
8.70	Ascend
10.20	Trail bears NW. and SE.
11.00	To Cor. No.1, the place of beginning; about 20 ft. above the West Fork of Chamberlain creek

September 19,1919.

AREA

Area of listed land- - - - - 84.99 Acres.
Area of unlisted land- - - - 5.18
Total area of H.E.S. No.699 90.17 Acres.

IMPROVEMENTS

None.

DESCRIPTION

This claim lies on bottom land along the West Fork of Chamberlain creek, about 45 acres of the land is suitable for cultivation, having a sandy loam soil. The balance is rocky sidehill land, covered with a fair stand of lodge-pole pine timber. The timber on this claim is without value, except for fuel and farm building purposes. No cultivation. No mineral or indications of mineral found on this claim. List No. 4-2172 and which will be H.E. . No.702 (unapproved), when surveyed, adjoins this claim on the ~~north~~ S. H.E.S. No. 689 (approved), when surveyed, will adjoin this claim on the ~~north~~ S. H.E.S. No. 344 (accepted), adjoins this claim on the ~~south~~ N. Warren, Idaho, the nearest postoffice lies about 45 miles, by trail, to the SW. McCall, Idaho, the nearest railroad point, lies about 90 miles, by trail and road, to the SW.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

It being impracticable to take my assistants before an officer qualified to administer oaths, without great inconvenience, delay and expense, I administer, myself, the required affidavit of the assistants.

C. A. [signature]
Surveyor - Forest Service.

Form 88.
Sheet No. 8.

HOMESTEAD ENTRY SURVEY NO.

NATIONAL FOREST

STATE OF

Chains

HOMESTEAD ENTRY SURVEY NO. 699

Idaho NATIONAL FOREST

STATE OF Idaho

Chains

COMPUTATION SHEET

Observation for latitude at Cor. No.4 of H.E.S. No. 344 (accepted).

Polaris at upper culmination.

October 6,1919.

Latitude = True vertical angle and declination- 90°

Longitude= 115° 11' W., From forest diagram.

Declination = 88° 52' 34.8"

Observed vertical angle = 46° 31' 30"

Refrac.in zenith dist. = 0' 55"

True vertical angle = 46° 30' 35"

Latitude = 46° 30' 35" + 88° 52' 34.8" - 90°

= 45° 23' 09.8" N.

DIRECTIONS.—1. Carry out calculations to two decimals only.
2. In balancing Latitudes and Departures do not obliterate or change the original figures. Do not change the footing of the original figures, but put below them the corrected footing in red ink.
Put the corrected figure or figures above 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. 699, STATE OF Idaho.

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
1-2	N.87° 14' E.	57.49 ✓	2 77 2 78 ✓		57 39 57 42 ✓		78 83 ✓	218 36 ✓		
2-3	S.37° 44' E.	19.09 ✓		15 10 ✓	11 67 11 68 ✓		147 89 ✓		2233 14 ✓	
3-4	N.88° 48' W.	42.94 ✓	90 ✓			42 95 42 93 ✓	116 61 ✓	104 95 ✓		
4-5	N.88° 42' W.	30.75 ✓	70 ✓			30 76 30 74 ✓	42 90 ✓	30 03 ✓		
5-6	N.36° 09' W.	10.28 ✓	8 30 ✓			6 07 6 06 ✓	6 07 ✓	50 38 ✓		
6-1	N.77° 15' E.	11.00 ✓	2 43 ✓		10 71 10 73 ✓		10 72 ✓	26 05 ✓		
		171.55	15 11 ✓	15 10 ✓	79 83 ✓	79 73 ✓		429 77 ✓	2233 14 ✓	
			15 10 ✓		79 73 ✓				429 77 ✓	
		Errors:	01		10.			20.)	1803 37 ✓	
			15 10	15 10	79 78	79 78		Area	90 17	Acres ✓ 1164

Error in Closure – $\frac{1}{1707}$

347

Instructions.—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. 699, STATE OF Idaho

CORNERS.	BEARING.	DISTANCE.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.	
	Area of listed land.									
1-2	N.87° 14' E.	57.49	2 78		57 42		66 71	184 79		
2-3	S.37° 44' E.	19.09		15 10	11 68		135 77		2050 13	
3-4	N.88° 48' W.	42.94	90			42 93	104 48	94 03		
4-5	N.88° 42' W.	30.75	70			30 74	30 76	21 53		
5-1	N.23° 31' E.	11.70	10 73		4 67		4 66	50 00		
		161 .97	15 11	15 10	73 77	73 67		350 35	2050 13	
			15 10		73 67				350 35	
					10			20)	1699 78	
		Errors:	01					Area	84 99	Acres.
			15 10	15 10	73 77	73 77		Total Area	90 17	"
								Area to be listed	5 18	"

Error in Closure = $\frac{1}{1612}$

APPROVAL.

Office of the United States Surveyor General,

Boise, Idaho, Aug. 18, 1920, 191

The foregoing field notes of Homestead Entry Survey No. 699

Situated in the Idaho National Forest,

Administrative District No. 4,

Approximately in sections 19, 20, unsurveyed,

Township 24 North, Range 11 East, of the

Boise Base and Meridian,

State of Idaho,

executed by C. A. Martin, Surveyor [Forest Service Title]

under his special instructions, dated Jan. 15, 1919, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward Hyde

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey in the State of , has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

Form 13.
Sheet No. 8.

HOMESTEAD ENTRY SURVEY NO. 702

Idaho NATIONAL FOREST

STATE OF Idaho.

4

Chains	
	when surveyed.
	Ascend, through lodge pole pine timber.
.89	Trail bears NW. and SE.
1.85	About 10 ft. above Cor. No.1
	Over level land.
21.99	To Cor. No.2, identical with Cor. No.4 of H.E.S. No. 699 (unapproved), which is a granite stone, firmly set, showing 10 x 10 x 12 ins. above ground, mkd. 4-HES-699 on the north face, and a cross (+) on the top, and witnessed by pits and mound of earth, and by two bearing trees. I take the cross (+) on this stone for chaining and angle point for Cor. No.2 of this survey; and in addition mk. it 2-HES-702 on the SE. face. Dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 6 ins. in dia., blazed and scribed +-2-HES-702-ET, bears S. 64° 32' E., 173 lks. dist.
	No other bearing objects available.
	Cor. No.2 of the listing survey and its witnesses were destroyed during the survey of H.E.S. No. 699 (unapproved), and Cor. No.4 of that survey set in its place.
	This cor. will be identical with Cor. No.2 of H.E.S. No.589 (unapproved), when surveyed.
	Thence
	S. 88° 48' E.
	Along the S. bdy. of H.E.S. No.699 (unapproved).
	Over level bench land, through dense immature lodge pole pine.

HOMESTEAD ENTRY SURVEY NO. 702

Idaho NATIONAL FOREST

STATE OF Idaho.

5

Chains	
9.49	Chamberlain trail, bears NE. and SW.
11.14	Descend
16.92	Leave timber, enter grass land, bears N. and S.
17.68	Touch north bank of Chamberlain creek, course SE., about 30 ft. below point of descent. Over level land.
21.15	Along north bank of Chamberlain creek, course E.
23.45	Leave N. bank of Chamberlain creek, course SE.
	Ascend.
29.55	Chamberlain trail bears NW. and SE.
32.44	Ridge bears N. and S. about 30 ft. above point of ascent.
	Leave grass land enter timber, bears N. and S.
	Descend.
33.34	About 35 ft. below point of descent.
	Over level land.
37.54	Leave timber, enter grassland, bears N. and S.
39.14	West bank of Chamberlain creek, 1 ft. deep, flows SE.
39.50	East bank of Chamberlain creek.
40.34	Trail bears NW. and SE.
	Ascend.
42.94	To Cor. No.3, about 40 ft. above point of ascent, identical with Cor. No.3 of H.E.S. No.699 (unapproved), which is a granite rock, in place, 2 x 2 ft. showing 1 ft. above ground; mkd. 3-HES-699 on the NW. face, and a cross (+) on the top. I take this cross (+) for chaining and angle point for Cor. No.3 of this survey, and in addition mk. the rock 3-HES-702 on the SW. face; and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim
	A lodge pole pine tree, 24 ins. in dia., bears S. 73° 08' E., 147 lks. dist.

Form 88.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 702

Idaho NATIONAL FOREST

6 STATE OF Idaho

Chains	
	A lodge pole pine tree, 14 ins. in dia., bears S. 22° 12' W., 144 lks. dist.
	Both trees blazed and scribed, +-3-HES-702-BT.
	This Cor. is also identical with Cor. No.1 of the listing survey which was destroyed during the survey of H.E.S. No.699 (unapproved), and Cor. No.3 of that survey set in its place.
	Thence S. 45° 30' E.
	Leave list No.4-2172, enter unlisted land.
	Descend bare south slope.
2.60	Enter willow brush, bears N. and S.
6.20	Dry wash, course S., about 20 ft. below Cor. No.3
	Ascend.
9.27	About 40 ft. above dry wash.
	Descend.
20.00	Chamberlain Basin trail bears E. and W.
23.05	North bank of Chamberlain creek, 1 ft. deep, course E., about 60 ft. below point of descent.
23.68	South bank of Chamberlain creek.
	Ascend.
27.85	To Cor. No.4, about 55 ft. above Chamberlain creek, for which I mkd. a granite outcrop, showing 15 x 10 x 4 ft. above ground, 4-HES-702, and a cross (+) on the top for Cor. No. 4 of this survey, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A granite rock, in place, 20 x 8 ft. showing 8 ft. above ground, bears S. 29° 00' W., 16 lks. dist.
	A granite rock, in place, 10 x 8 ft., showing 6 ft. above ground, bears N. 85° 39' W. 24 lks. dist.
	Both rocks mkd. +-4-HES-702-BR.
	September 20,1919.

HOMESTEAD ENTRY SURVEY NO. 702

Idaho NATIONAL FOREST

STATE OF Idaho. 7

Chains	
	Thence S. 85° 00' W.
	Descend through dense willow brush.
6.76	About 10 ft. below Cor. No.4.
	Ascend.
13.46	Ridge bears N. and S., about 35 ft. above point of ascent.
	Over level land.
17.03	Ascend, leave willows, enter heavy lodge pole timber, bears NW. and SE.
19.63	Ridge bears N. and S., about 60 ft. above point of ascent.
	Descend.
24.50	Creek, 1 lk. wide; 1 in. deep. about 120 ft. below ridge, flows N.
	Ascend.
35.98	Ridge bears N. and S., about 75 ft. above creek.
	Descend.
39.04	Dry wash, course N.; about 70 ft. below ridge.
	Ascend.
42.30	Ridge bears N. and S., about 40 ft. above dry wash.
	Descend.
47.04	Dry wash, course NE. about 50 ft. below point of descent.
	Ascend
48.60	To Cor. No.5, about 20 ft. above dry wash, a point on line, between Cors. Nos. 4 and 5 of the listing survey; for which I set a quartzite stone, 24 x 6 x 6 ins., 14 ins. in the ground, over a granite stone, 4 x 4 x 4 ins., mkd. with a cross (+) for Cor. No.5 of this survey; mkd. 5-HES-702 on the side facing the claim, and a cross (+) on the top; and raise a mound of earth.

Form 85.
Sheet No. 2.

HOMESTEAD ENTRY SURVEY NO. 689

Idaho NATIONAL FOREST

2. STATE OF Idaho.

Chains	
	U.C. Polaris, Sept. 17, 1919 - - - - - 1 h. 53.0m.,A.M.
	Longitude correction - - - - - - - - - 01.3m.
	L.m.t., U.C. Polaris - - - - - - - - - 1 h. 51.7 m.,A.M.
	L.m.t., obsn. Sept. 16, 1919 - - - - - 6 h. 14 m.,P.M.
	Subtract from - - - - - - - - - - - - - 12 h.
	Time to midnight - - - - - - - - - - 5 h. 46 m.
	Add - - - - - - - - - - - - - - - - - 1 h. 51.7 m.
	Argument - - - - - - - - - - - - - - 7 h. 37.7 m.
	Azimuth of Polaris and bearing of reference stake = N. 1° 26' 45" E.
	I project the corresponding meridian to Cor. No. 1 of this survey, and determine a bearing of S. 15° 00' W., for line Cor. No. 1 to Cor. No. 9, and to the corresponding meridian all courses of this survey are referred.

Observation 2.

September 19, 1919; at Cor. No. 1 of this survey, at 7 h. 00 m., P.M., l.m.t., I foresight on Cor. No. 9 of this survey and turn 166° 34' to the right to Polaris in position.

Latitude = 45° 22' 53" N.	By account from H.E.S.
Longitude = 115° 10' W.	No. 699 (approved).
U.C. Polaris, Sept. 20, 1919 - - - - - - 1 h. 41.3 m.,A.M.	
Longitude correction - - - - - - - - - 01.3 m.	
L.m.t., U.C.Polaris - - - - - - - - - - 1 h. 40 m., A.M.	
L.m.t., obsn., Sept. 19, 1919 - - - - - 7 h. 00 m., P.M.	
Subtract from - - - - - - - - - - - - - 12 h.	
Time to midnight - - - - - - - - - - - 5 h. 00 m.	
Add - - - - - - - - - - - - - - - - - - 1 h. 40 m.	
Argument - - - - - - - - - - - - - - - 6 h. 40 m.	
Azimuth of Polaris = N. 1° 34' 30" E.	
Bearing of line Cor. 1 - Cor. 9 = S.15° 00' 30" W.	
The bearing thus determined agrees within 30" of arc	

HOMESTEAD ENTRY SURVEY NO. 699

Idaho NATIONAL FOREST

STATE OF Idaho 3

Chains	
	with the bearing of the same line, as determined by projection from the meridian established by me on September 16, 1919, at Cor. No. 1 of H.E.S. No. 344 (accepted), and described above. I, therefore, conclude that my meridian is correct.
	Mean Magnetic Declination = 21° 30' E.

RETRACEMENT

Beginning at Cor. No.5 of H.E.S. No.699 (~~un~~approved), which is a lodge pole pine post, firmly set, 6 ins. square, showing 12 ins. above ground, mkd. 5-HES-699 on the NE. face, and a cross (x) on the top, and witnessed by a mound of earth and by two bearing trees. Cor. No.4 of H.E.S. No.699 (~~un~~approved) being in sight,

Thence

S. 88° 42' E.

On a true line, along the S. boundary of H.E.S. No. 699 (~~un~~approved).

2.75	Set temporary stake for Cor. No.1 of this survey.
30.75	To Cor. No.4 of H.E.S. No.699 (~~un~~approved), which is a granite stone, firmly set, showing 12 x 10 x 10 ins. above ground, mkd. 4-HES-699 on the N. face, and a cross (x) on the top, and witnessed by a mound of earth, and by two bearing trees.

Beginning at Cor. No.1 of this survey, previously mkd. by temporary stake on line between Cors. 4 and 5 of H.E.S. No. 699 (~~un~~approved), in place of which I set a lodge pole pine post, 36 ins. long 6 ins. square, 24 ins. in the ground, over a granite stone, 6 x 6 x 8 ins., mkd. with a cross

Chains	
	(+) for Cor. No.1 of this survey; mkd. 1-HES-689 on the SE. face, and a cross (+) on the top; and raise a mound of earth 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 14 ins. in dia., bears N. 41° 06' E., 179 lks. dist.
	A lodge pole pine tree, 12 ins. in dia., bears N. 12° 18' W., 143 lks. dist.
	Both trees blazed and scribed +-1-HES-689-BT.
	Cor. No.5 of H.E.S. No. 699 (unapproved), which is a lodge pole pine post, firmly set, heretofore described, bears N. 88° 42' W., 2.75 chs. dist.
	U.S.Locating Monument No.344 (accepted), which is a granite rock, in place, mkd. and witnessed as described by the Surveyor General, being in sight, bears N. 21° 37' E. 8.90 chs. dist.
	Thence
	S. 88° 42' E.
	Along the S. boundary of H.E.S. No.699 (unapproved).
	Over level land, through willows.
14.57	Old trail bears N. and S.
19.27	Leave willows, enter small lodge pole pine timbers, bears NE. and SW.
	Ascend.
26.00	To Cor. No.2, about 40 ft. above point of ascent, identical with Cor. No.4 of H.E.S. No.699 (unapproved), and identical with Cor. No.2 of H.E.S. No.702 (unapproved), which is a granite stone, firmly set, showing 12 x 10 x 10 ins. above ground, mkd. 4-HES-699 on the N. face, 2-HES-702 on the SE. face and a cross (+) on the top, and witnessed by pits and mounds of earth, and by three bearing trees. I take the cross (+) on this stone, for chaining and angle

Chains	
	point for Cor. No.2 of this survey, and in addition mk. it, 2-HES-689 on the SW. face. Dig pits, 24 x 24 x 12 ins., crosswise on this and the succeeding course, 7 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 6 ins. in dia., blazed and scribed, +-2-HES-689-BT, bears S. 81° 15' E., 99 lks. dist.
	No other bearing objects available.
	Thence
	S. 41° 19' W.
	Along line 2-3 of H.E.S. No.702 (unapproved).
	Over level land, through dense small lodge pole pine
20.14	Edge of bench, descend.
21.10	Trail bears NW. and SE., about 10 ft. below point of descent.
	Over level land.
21.99	To Cor. No.3, identical with Cor. No.1 of H.E.S. No.702 (unapproved), which is a granite stone, firmly set, showing 12 x 10 x 10 ins. above ground, mkd. 1-HES-702 on the E. face, and a cross (+) on the top, and witnessed by mound of stone, and by two bearing trees. I take the cross (+) on this stone as chaining and angle point for Cor. No.3 of this Survey, and in addition mk. it 3-HES-689 on the NW. face, and raise a mound of stone, 4 ft. base, 2 ft. high, 3½ ft. dist., within the claim.
	A lodge pole pine tree, 8 ins. in dia., bears N. 5° 17' W., 38 lks. dist.
	A lodge pole pine tree, 10 ins. in dia., bears N. 39° 25' W., 73 lks. dist.