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U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

OCT.-2 1916

001.00 1015

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 194

SITUATED IN THE

SITCREAVES NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO.

in

Section 13 , un surveyed, Township 12 N, Range 16 E.

Section 24 , unsurveyed, Township 12 N., Range 16 E.

Section 18, unsurveyed, Township 12 N., Range 17 E.

of the

Gila and Salt River Base and Meridian.

ARIZONA.

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Survey executed by Walter G. Turley, Surveyor-For	est Service
Under special instructions dated June 10	, 1914.
Survey commenced July 21	, 1914.
Survey completed July 23	, 1914.
Under Acts of June 11, 1906 and June 30, 1914.	
Applicant for listing Alva Porter,	
Residence Heber, Arizona.	
Application No. 115 , dated June 30,	., 19.08.
List No. 3-167, dated April 28	., 19.09
Applicant for survey Alva Porter,	
Residence Heber, Arizona.	
H. E. No. 06401 , dated October 11, 1909	
Land district Phoenix, Arizona.	
	8-2349

OATH OF ASSISTANTS

We hereby certify that we assisted Walter G. Turley, Surveyor-Forest Service, in surveying all those parts or portions of Homestead Entry Survey No. 194, in un surveyed Section 13, Township 12 N., Range 16 E., un surveyed Section 24, Township 12 N., Range 16 E., unsurveyed Section 18, Township 12 N., Range 17 E. of the G. & S. R. B. & meridian, State of Arizona, which are represented in the following field notes as having been surveyed by him and under his direction; and that said 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. Subscribed and sworn to before me this homewher, 19/4. Surveyor-Forest Service. OATH OF SURVEYOR I, Walter G. Turley-Surveyor Forest Service, do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for Arizona, dated June 10, 1914, and the laws of the United States, I have well, faithfully, and truly, in my own proper person, surveyed a tract of land apon the application of embraced in List , No. 3-167, dated April 28 , 19 09, for patent , under the Act of June 11 , 19 06, the same to be known as Homestead Entry Survey No. 194 situated within the Sitgreaves National Forest, in un surveyed Section 13, Township 12 N, Range 16 E., and un surveyed Section 24, Township 12 N, Range 16 E. and, unsurveyed Section 18, Township 12 N. Range 17 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. Surveyor-Forest Service. Subscribed and sworn to before me this _____day of Movember, 19/4. my commission expires April 6 1918. PB Callies Natary Public SEAL.

HOMESTEAD ENTRY SURVEY NO. 194 SITGREAVES NATIONAL FOREST STATE OF ARIZONA.

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Applicant for listing Alva Porter; Application No. 115, dated June 30, 1908; List No. 3-167, dated April 28, 1909; Homestead Entry No. 06401 made in the Phoenix Land Office on October 11, 1909 by Alva Porter, whose - five post office address is Heber, Arizona.

Surveyed under Acts of June 11, 1906 and June 30, 1914; also special instructions from the Surveyor General for Arizona, dated June 10, 1914; and designated as Homestead Entry Survey No. 194.

Situated in what will probably be when surveyed, secs. 13 and 24 T. 12 N., R. 16 E., and sec. 18 T. 12 N., R. 17 E. G. and S. R. B. and M. within the Sitgreaves National Forest Arizona.

Survey commenced July 21, 1914 and executed with a W. and L. E. Gurley light mountain transit No. 12953 provided with prism eye piece, stadia wires, vertical circle, and Burt solar attachment. The horizontal limb of the transit has two double verniers placed opposite to each other and graduated to single minutes of arc, which is also the graduation upon the verniers of the latitude and declination arcs.

I test the adjustments of the transit and solar attachment and make necessary corrections. The stadia wire interval is adjusted to read 1:132.

All distances are horizontal; and were reduced from measurements made directly on the slope with a standard 500 link steel tape graduated to links and tenths, and the slope angles determined with a clinometer, the vernier of which reads to degrees; and a Philadelphia stadia rod graduated to feet and hundredths provided , with two targets the verniers of which read to thousandths of a foot only on area bus : Area

a stake set firmly in the ground p. 00

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HOMESTEAD ENTRY SURVEY NO. 194 SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

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July 21, 1914. restroy svil spitaki to't thesiloga

At 8h. 23m.-p.m. 1.m.t.; I observe Polaris with my transit set up and telescope direct, in accordance with instructions, at cor. H-2 of List 1179 which is a limestone 18 x 6 x 9 ins. above ground marked and witnessed as described by the Forest Service; and mark the direction thus determined with a tack in a stake set firmly in the ground, 5.00 chs. N. of my station.

astron. 1.m.t. obsn.July 20, 1914

32h. 23.0m.

astron.l.m.t. U.C. Pol. July 20,1914

17h. 35.0m.

Hour angle Pol. at obsn.

14h. 48.0m.

23h. 56.lm. 9h. 08.lm.

Azimuth Pol. at obsn. 0° 56' 12" E. Long. 110° 36' 42" W. Lat. 34° 25' 46" N.

At 8h. 29m. p.m. 1.m.t. on the same date, I again observe Polaris in accordance with instructions, with my transit set up and telescope reversed in altitude reptical and azimuth at cor. H-2 of List 1179 heretofore described; and mark the direction thus determined with a tack in a stake set firmly in the ground 5.00 chs. loop bue shuttist ent to N. of my station.

astron. 1.m.t. obsn. July 20, 1914 32h. 29.0m. astron. 1.m.t. U.C.Pol. July 20,1914 17h. 35.0m.

Hour angle Pol. at obsn. 188 at 189 at 14h. 54.0m.

ment beau Time argument istnovinon era seenstais,

Azimuth of Pol. at obsn. 0° 57' 54" E.

bas sanil of belsuberg equi lee July 21,0 1914.

July 22, 1914; seergeb of abser dolaw to

I turn off 0° 56', the azimuth of Polaris to the W. from her direction at 9h. 23m. p.m., 1.m.t., July 21, 1914; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

I also turn off 0° 58', the azimuth of Polaris, to the W. from her direction at 8h. 29m. p.m., l.m.t., July 21, 1914; and mark the line thus determined with a tack in a stake set firmly in the ground 5.00 chs. N. of my station. This line falls 0° 00' 46" of measured arc to the W. of the line previously established. I mark the mean of these two lines with a tack in a stake set firmly in the ground 5.00 chs. N. of my station; and from the corresponding meridian all the courses of this survey were deflected by continuous sustained angulation.

34° 28' 00" N. Lat. and 110° 36' 21" W. Long., at S. C. secs. 36 and 31, T. 13 N., Rs. 16 and 17 E., G. and S. R. B. and M., obtained from values given in the special instructions of the Surveyor General; which gives 34° 26' 23" N. Lat., and 110° 36' 08" W. Long. at cor. No. 1 of this survey.

Note: The sun was obscured at apparent noon and Polaris at culmination, therefore a latitude observation was not possible.

On July 21, 1914, by telephone, I compare my watch with the standard telegraphic clock and find it correct.

I subtract 22m. 25s. therefrom for l.m.t., since cor.

No. 1 of this survey is 110° 36' 08" W. Long.

I observe the Magnetic Declination at cor. No. 1 to be 14° 40' E. at 8h. 00m. a.m., 1.m.t., July 22, 1914, which gives a mean magnetic declination of 14° 36' E.

Beginning at cor. No. 1.

Set a limestone 25 x 12 x 6 ins., 15 ins. in the

HOMESTEAD ENTRY SURVEY NO. 194 SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

ground, over (+) on a stone 4 x 3 x 2 ins., chiseled Chains (+) at the point and 1-HES194 on the S. face; and dig pits crosswise on each course 8 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, S. of bergene lor., from which: and side and lo A 12 in. pine, scribed 1 H E S 194 + B T, bears S. 80° 26' W., 254 lks. ; mol A 7 in: pine, scribed 1 H E S 194 + B T, bears N. 78° 20' W. 263 lks. benis are aus. C. secs. 36 and 31, T. 13 N., Rs. 16 and 17 E., G. and S. R. B. and M., which is a post 4 x 4 x 24 ins. long, marked and wit-. . . nessed as described by the Surveyor General, bears N. 6° 31' W., 149.26 chs., by direct releasurements. benisde . Il bis . 8 . H Note: I reset the post in its true position. . OH . Too ds . Cor. H-3 and its bearings, which is a limestone 12 x 8 x 5 ins. above ground, marked noon and Polaria and witnessed as described by the Forest Service, bears N. 54° 34' W., 1.58 chs. dist. I destroy cor. H-3 and its witnesses. ditw for war or squite . tostroo di ball bas sools oidrores July 22, 1914. July 23, 1914. No. I of this survey is 110° 56' (Thence S. 54° 34' E. milbed bitemask eds evresdo I Along line H-3 to H-4 of List 3-167. Over bottom in open. 5.04 Right bank Black Canyon Creek bed, 4.45 chs. wide, banks

4 ft. high, course NE. A small stream of water is flowing.

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HOMESTEAD ENTRY SURVEY NO. 194

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA. TATE

Chains	Chains
	Leave bottom bears N. and S. and ascend SW. slope 25 ft.
	in pinon and cedar. A SI projectuse a si foldw
17.65	Spur bears NE. and SW. Descend SE. slope 25 ft. in
, dgtd	indergrowth. it is enough to brune s it is each
20.15	Foot of slope bears E. and W. Continue over bottom.
38.23	Toncor. No. 2. H & bedirer, sning . ni &3 A
	Identical with cor. H-4 of List 3-167 which is a
ers	limestone 12 x 6 x 5 ins. above ground marked and
	witnessed as described by the Forest Service. I
	destroy cor. H-4 and its witnesses; and for cor. No. 2
ealded	of this survey I set a limestone 24 x 15 x 10 ins.;
	14 ins. in the ground over (+) on a stone 3 x 3 x 2
ana	ins., chiseled (+) at the point and 2-HES194 on the
	E. face and raise a mound of stone 2 ft. base, 1-1/2
bne	ft. high, E. of cor. from which:
	An 18 in. pine, scribed 2 H E S 194 + B T, bears
	N. 14 ° 08' W. 202 lks.
	A 6 in. pinon, scribed 2 H E S 194 + B T, bears
	N. 34° 08' E. 127 1ks.
	81.58 To cor. H-1 of List 3-167 which is a limestone 14
oibed	Thence S. 65° 44' W.
at	Along line H-4 to H-1 of List 3-167.
	Over bottom in open.
11.70	Leave bottom bears NW. and SE. and ascend NE. slope
	30 ft. in scattering pine timber.
17.40	Spur bears NW. and SE. Descend NW. slope 30 ft. in
36 x 36	scattering pine timber.
21.60	Foot of slope bears N. and S. Continue over bottom.
	Pole fence bears E. and W.
, sead	Right bank of arroyo 15 1ks. wide, banks 6 ft. high
	course NW.
34 06	den in pine, serioed 3 H H 5 194 and
\$.00	Center line of Heber-Holbrook wagon road bears E. and W.
	A S4 in. pine, sarioed 5 H K S 194 and

2 H E 2 198 t B T, beers S. 22° 40' E. 58 Lks.

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STATE OF ARIZONA.

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which is a sandstone 12 x 8 x 10 ins. above ground chiseled (+) at the point and 3-HES198 on the SSW.

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

SSW. of cor. from which:

A 22 in. pine, scribed 3 H E S 198 + B T, bears

A 6 in. pine, scribed 3 H E S 198 + B T, bears

S. 4° 14' W. 252 1ks.

Continue along line 3-2 of H. E. S. 198.

- 61.35 Right bank Buckskin Canyon Creek bed 75 1ks. wide, banks
 4 ft. high course N.
- 61.60 Center line of Heber-Holbrook wagon road bears NE. and
- 67.20 Center line of Heber-Holbrook wagon road bears E. and
- 78.18 Center line of road bears NW. and SE.
- 79.22 Forest Service telephone line bears N. and S.
- 81.58 To cor. H-l of List 3-167 which is a limestone 14 x 6 x 6 ins. above ground marked and witnessed as described by the Forest Service. I destroy cor. H-l and its witnesses.

82.31 To cor. No. 3.

Identical with cor. H-2 of List 1179 heretofore described. I destroy cor. H-2 and its witnesses; and for cor. No. 3 of this survey I set a limestone 28 x 16 x 10 ins., 18 ins. in the ground, over (+) on a stone 4 x 4 x 2 ins., chiseled (+) at the point and 3-HES194 on the NNE. face and raise a mound of stone 2 ft. base, 1-1/2 ft. high, NNE. of cor. from which:

Over bottom im open.

A 22 in. pine, scribed 3 H E S 194 and

2 H E S 198 + B T, bears S. 72° 05' E. 68 lks.

A 24 in. pine, scribed 3 H E S 194 and

2 H E S 198 + B T, bears S. 22° 40' E. 58 lks.

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SITCREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains

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A 22 in. pine, scribed 12 H E S 199 + B T, bears S. 82° 20' W., 78 lks.

A 22 in. pine, scribed 12 H E S 199 + B T, bears S. 27° 00' E., 168'lks.

The corner stone was subsequently marked 2-HES198 on the SE. face and 12-HES199 on the NW. face for cor. No. 2 of H. E. S. 198 and cor. No. 12 H. E. S. 199 respectively.

. Box Thence N. 1º 27' E.

Along line 12-11 of H. E. S. 199. Over bottom in open.

Forest Service telephone line, bears NE. and SW. 1.85

Center line wagon road, bears NW. and SE. 2.56

Center line of main wagon road bears E. and W. 6.26

11.39 To cor. No. 4.

Identical with cor. H-2 of List 3-167, which is a limestone 12 x 8 x 5 ins. above ground, marked and witnessed as described by the Forest Service. I destroy cor. H-2 and its witnesses; and for cor. No. 4 of this survey I set a quartzite boulder 25 x 9 x 8 ins. 15 ins. in the ground, over (+) on a stone 4 x 3 x 2 ins., chiseled (+) at the point and 4-HES194 on the SE. face; and dig pits 24 x 24 x 12 ins. crosswise on this and the succeeding course 7 ft. dist.; and raise a mound of earth and stone 4 ft. base, 2 ft. high, SE. of cor. The improvements are the only witnesses available to this cor. .. 6.50 das. dist.

Thence N. 44° 22' E.

Over bottom in opén.

1.05 Right bank Black Canyon Creek bed, 380'1ks. wide, banks 3 ft. high, course E.

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA

Chains 24.90	Leave bottom, bears NE. and SW. and ascend SE. slope
	25 ft. in undergrowth.
28.75	Cease ascending, and descend gradually along E. slope
	25 ft.
44.55	Leave slope, bears N. and S. and continue over bottom
	in open.
62.35	To cor. No. 1, the place of beginning.
02.00	. visvidegeer 881 .2 .5 .F
	Moto7 Amos
	Total Area 159.97 acres.
	IMPROVEMENTS
	IMPROVEMENTS The improvements made upon this homestead consist of the
	following:
	2.56 Center line wagon road, bears in. and JR.
	A frame stable 24 x 20 ft., the long side extending NE. and SW. and the W. cor. of which bears S. 49° 25' E.,
	11.55 Mr. to on the contract of the contract o
B	3.14 chs. dist. from cor. No. 4.
	Value \$200.00
	A log cellar 14 x 10 ft., the long side extending NW.
youtee	and SE. and the W. cor. of which bears S. 34° 35' E.,
1	2.42 chs. dist. from cor. No. 4.
, . wai	8 x 9 x 33 menior Value \$ 50.00
SE	A log dwelling 26 x 18 ft., the long side extending NE.
.ME odd	and SW. and the W. cor. of which bears S. 34° 00' E.,
eint h	4.14 chs. dist. from cor. No. 4. Heber post office
B	is in this house. T estato antheenous and has
.Ea	Value \$200.00
	A log store house 26 x 18 ft., the long side extending
	NE. and SW. and the S. cor. of which bears N. 36° 04'
	E., 6.30 chs. dist. from cor. No. 3.
	Value \$150.00
	A log store house, 24 x 16 ft., the long side extending
	N. and S., and the SW. cor. of which bears N. 7° 05!
sanad	E., 4.24 chs. dist. from cor. No. 3.
	A CONTRACTOR OF LIGHT

HOMESTEAD ENTRY SURVEY NO. 194

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains

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Value - - - - - - - \$250.00

Approximately 3 miles of wire and pole fencing.

Value- - - - - - \$250.00

1-1

Approximately 30 acres of cultivated land.

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DESCRIPTION.

This claim is situated on the N. slope of the Mogollon

Mesa at an elevation of approximately 6,400 ft; and

occupies a tract of bottom land at the junction of

Buckskin with Black Canyon, which drains Northeastward.

This section is at the edge of the heavy timber; but

supports a good stand of pinon and cedar. A small

number of trees is included in this survey. Sufficient

number of trees is included in this survey. Sufficient
water for stock and domestic purposes is obtained from
shallow wells.

The bottom soil is a sandy loam and produces the ordinary crops of the temperate zone without irrigation;
but is best adapted to the small grains and sorghums;
good crops of which have been produced.

This section is not reported to be mineralized; and no townsites, mining, oil, or coal claims are known to have been located near this homestead.

There are no conflicts. H. E. S. No. 198 joins this survey on the South and line 2-3 thereof extends along line 3-2 of this survey from cor. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line 3-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this homestead. Holbrook railway station is 50 miles in a Northeasterly direction.

July 23, 1914.

A HOMESTEAD ENTRY SURVEY NO.194

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

1-2 S. 54° 34° E. 38.23 22.16 31.15		120			TRAVERSE.				
4-1 N. 44° 22° E. 62,35 44.57 194.28 55.96 55.99 75.04 75.06 Error in lat. and dep. De citizent of the transminer of tr	00.00	1-2	Co.	urse.	Dist.	N.	S.	E.	W. 75.04
Instruction of the second of t		3-4	N. 1	27' E.	11.39	11.39		and the second second	
Bro : 10 000.2 Vestem knored as released 55.96 55.99 75.04 75.06 Error in lat. and dep. 10 released 55.96 75.06 Error in lat. and dep. 10 read a sample of 50.00 0.00 To notional and annual motion to forth a sample of the control of the sample of the s							13 7 20 10 1 1	43.60	
supports a good stand of pinon and cedar. A small for the color of the temperate zone without irrigation; the bottom soil is a sandy loam and produces the ordinary crops of the temperate zone without irrigation; but is best adarted to the small grains and gorgiums; good crops of which have been produced. This section is not reported to be mineralized; and no townsites, mining, oil, or coal claims are known to have been located near this homesteed. There are no conflicte. H. R. S. No. 138 joins this survey on the South and line 2-3 theraof extends along line 3-2 of this survey. H. E. S. No. 199 joins this survey on the W. and line 3-4 hereof iles along line 18-11 theraof. Heber post office is located in the dwelling upon this homesteed.	bn:	Erro	oot, a	at. and	194.28 dep.	55.96 oldevels	55.96	0.00	75.04
shellow wells. The bottom soil is a sandy loam and produces the ordinery crops of the temperate zone without irrigation; but is best adapted to the small grains and sorghume; good crops of which have been produced. This section is not reported to be mineralized; and no townsites, mining, oil, or coal claims are known to nave been no conflicte. H. H. S. Mo. 198 joins this survey on the South and line S-2 thereof extends along line S-2 of this survey from cor. Mo. 3 of this survey. H. R. S. No. 189 joins this survey on the W. Send line S-4 hereof lies along line 12-11 thereof. Heber post S-4 hereof lies along line 12-11 thereof. Heber post Office is a located in the dwelling upon this homestend. Holbrook relivey station is 50 miles in a North-	Ţ	Came A	. rabs	on and co	nid of pin	sta noog			
insry crops of the temperate zone without irrigation; but is best adapted to the small grains and sorghums; good crops of which have been produced. This section is not reported to be mineralized; and no townsites, mining, oil, or coal claims are known to have been located near this homestead. There are no conflicts. H. E. S. No. 198 joins this survey on the South and line 8-5 thereof extends along line 5-2 of this survey. H. E. S. No. 199 joins this survey on the W. and line 5-4 hereof lies along line 16-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holdbrook railway station is 50 miles in a North-						urveyor-			-
but is best adapted to the small grains and sorgiums; good crops of which have been produced. This section is not reported to be mineralised; and no townsites, mining, oil, or coal claims are known to have been located near this homestead. There are no conflicte. H. E. S. No. 128 joins this survey on the South and line 2-5 thereof extends along line 2-2 of this survey from cor. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line 2-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestend. Holbrook railway station is 50 miles in a North-	-6	the or	duces	orq bus.	sandy loam	e si It	os modto	Ehe bo	
good crops of which have been produced. This section is not reported to be mineralised; and no townsites, mining, oil, or coal claims are known to have been located near this homestead. There are no conflicte. H. H. S. No. 128 joins this survey on the South and line 2-3 thereof extends along line 2-2 of this survey. H. E. S. No. 199 joins this survey on the M. and line 2-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. HOLDrook railway station is 50 miles in a North-	; coi;	rea tr	ri Juon	zone wit	ersaequet	off the	egoro v	insi	
This section is not reported to be mineralized; and no townsites, mining, oil, or coal claims are known to have been located near this homestead. There are no conflicte. H. E. S. No. 198 joins this survey on the South and line 2-5 thereof extends along line 2-5 of this survey from cor. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line 2-4 nersof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holbrook railway station is 50 miles in a North-	ums;	sorgh	bus sug	iers fisi	to the sn	sdapted	is best	but	
townsites, mining, oil, or coal claims are known to have been located near this homestead. There are no conflicts. H. E. S. No. 138 joins this survey on the South and line 2-5 thereof extends along line 3-2 of this survey from cor. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line 2-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this homestead. Holdrook railway station is 50 miles in a North-			.6	produce	have been	do low to	erops		
There are no conflicts. H. E. S. No. 128 joins this survey on the South and line 2-5 thereof extends along line 2-5 of this survey from cor. No. 3 of this survey. H. E. S. No. 139 joins this survey on the W. and line 2-4 hereof lies along line 12-11 thereof. Heber post of this slong line 12-11 thereof. Heber post of the located in the dwelling upon this nomestend. Holbrook reilway station is 50 miles in a North-	nd no	e ; bet	nerolis	o be mi	reported t	is not	noitoes	Phis	
There are no conflicts. H. E. S. No. 128 joins this survey on the South and line S-5 thereof extends along line S-2 of this survey from con. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line S-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holbrook railway station is 50 miles in a North-	to	TWOIN	a sre e	al elsim	oil, or eo	nining,	sites, n	town	
Survey on the South and line 2-5 thereof extends along line 3-5 of this survey from cor. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line 2-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holbrook railway station is 50 miles in a North-				omestead	d sidt tae	a beteor	been l	Dave	
line 2-2 of this survey from cor. No. 3 of this survey. H. E. S. No. 199 joins this survey on the W. and line 2-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holbrook reilway station is 50 miles in a North-	eld	t enic	198 5	. S. No.	H.H.	tollinos	on era	There	
H. E. S. No. 199 joins this survey on the W. and line Z-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holbrook railway station is 50 miles in a North-	along	ends	fae too	8-3 ther	end line	ne South	to no te	Aine	
2-4 hereof lies along line 12-11 thereof. Heber post office is located in the dwelling upon this nomestead. Holbrook railway station is 50 miles in a North-	urvey.	e sid	3 of t	cor. No.	mort veva	this su	3-8 of	line	
office is located in the dwelling upon this nomestead. Holbrook railway station is 50 miles in a North-	line	bus .	. World	urvey on	e sidi eni	ot 9 81.	. S. No.	H. E	
Holbrook reilway station is 50 miles in a North-	post	Heber	.losa	ed) II-9	ng line 1	ola aeil	hereof l	8-4	
	tead.	nomes	aint n	ling uro	Lews ent n	i beter	se is lo	offi	
easterly direction.		-d3-1	la a No	O miles	ation is 5	lway st	rook rei	Holb	
						.noldoe	erly din	tasa	

SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

Chains

DETAILED COMPUTATIONS.

34° 28' 00" N. lat at S. C. secs. 36 and 31, R. 13 N., Rs. 16 and 17 E. Taken from special instructions of Surveyor General.

 $\frac{148.30 \times 0'.871}{80.00}$ x 0'.871 = 1'.62 Southing.

1' 37"
34° 26' 23" N. lat. at cor. No. 1.

110° 36' 21" W. long. at S. C. secs. 36 and 31, T. 13 N., Rs. 16 and 17 E. Taken from special instructions of the Surveyor General.

 $\frac{378.22}{480.00}$ x 16.96 = 13".36 Easting.

13" / 110° 36' 08" W. long. at cor. No. 1.

Polaris at cor. No. 3 at 8h. 23m. p.m., 1.m.t. July 21, 1914.

5h. 36.2m. a.m. greenwich m. t. U.C. Pol. July 21, 1914.

1.2m. siderial correction.

5h. 35.0m. a.m., 1.m.t. U. C. Pol. July 21, 1914.

17h. 35.0m. astron. 1.m.t. U.C. Pol. July 20, 1914.

32h. 23.0m. astron. 1.m.t. obsn. July 20, 1914.

14h. 48.0m. hour angle Pol. at obsn.

23h. 56.lm. / 9h. 08.lm. time argument.

88° 50' 43".9 decl. Pol. July 21, 1914.

Interpolate in G. L. O. Ephemeris.

 $\frac{5.2 \times 1.8}{6.9} \times 1.8 = 1.4$ 56'.2 azimuth.

0° 56' 12" E. azimuth of Pol at obsn.

Polaris at cor. No. 3 at 8h. 29m. p.m., l.m.t. July 21,1914

5h. 36.2m. a.m. greenwich m. t. U.C. Pol. July 21, 1914.

1.2m. siderial correction.

5h. 35.0m. a.m. 1.m.t. U.C. Pol. July 21, 1914.

17h. 35.0m. astron. 1.m.t. U.C. Pol. July 20, 1914.

32h. 29.0m. astron. 1.m.t. obsn. July 20, 1914.

14h. 54.0m. hour angle Pol. at obsn.

9h. 02.1m. time argument.

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SITGREAVES NATIONAL FOREST

STATE OF ARIZONA.

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Chains
                         88° 50' 43".9 decl. Pol. July 21, 1914.
 el .. N El .A . IZ bas ec . 2008 . O . Z ts tsl .N "00 '83 . C social in G. L. O. Ephemeris.
                \frac{6.5 \times 1.9}{7.2} = 1.7 \times 57.9 \text{ azimuth.}
           0° 57' 54" E. Azimuth of Pol. at. obsn.
                            34º 26' 23" N. let. at cor. No. 1
 36' 21" W. long. at S. C. secs. 36 and 21, I. 13 H. Rs. 16 and 17 E. Taken from special instruc-
                 tions of the Surveyor General.
               378.22 x 16.96 = 15".36 Easting.
                            38' 08" W. long. at cor. No.
   Polaris at cor. No. 5 at 8h. 23m. p.m., 1.m.t. July 21,
                                                           1914.
  bh. 36.2m. a.m. greenwich m. t. U.G. Pol. July 21, 1914.
                              1.2m. siderial correction.
          bh. 35.0m. a.m., 1.m.t. U. C. Pol. July 21, 1914.
         17h. co. Om. satron. 1.m.t. U.C. Pol. July 20, 1914
           32h. 25.0m. astron. 1.m.t. oben. July 20, 1914.
                         14h. 48.Cm. hour angle Pol. at oben.
                                    25h. 56.lm.
9h. 08.lm. time argument.
        88° 50' 45".9 decl. Pol. July 21, 1914.
             Interpolate in G. L. O. Ephemeria.
                 5.2 x 1.8 = 1.4 56'.2 grimuth.
                      0° 56' 12" E. azimuth of Pol at obsn.
Polaris at cor. No. 3 at 8b. 29m. p.m..l.m.t. July 21.1914
  bh. 36.2m. a.m. greenwich m. t. U.C. Pol. July 21, 1914.
                              .no troerros fairebia .ms.f
            5h. 35.0m. e.m. 1.m.t. U.G. Pol. July 21, 1914.
        17h. 35.0m. satron. 1.m.t. U.C. Pol. July 20, 1914.
            Sen. 29.0m. astron. 1.m.t. obsn. July 20, 1914.
                        .mado is .fod eigns moon .mo. Pd . Hall
                                    23h. 56.1m.
9h. 02.1m. time argument.
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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 figure or figures above in red ink. Do not change the footing of the lines.

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

The corrections 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. ALVA PORTER 3 30 1969 54 1972 84 N. AREAS Area Ari zona. DOUBLE M. D. 118 93 0 29 18 75 04 77 STATE OF 04 WEST. 75 DEPARTURES. TABLING AND CALCULATIONS OF HOMESTEAD ENTRY SURVEY NO. 194 15 53 \$ 3 60 75 04 75 04 EAST. 0 3 16832 66 5597 SOUTH. 33 22 55 LATITUDES. 96 57 NORTH. 55 DISTANCE. 38,23 82, 31 11.39 62,35 194.28 error. 1:6476 Closing S. 54º 34' E. S. 65° 44' W. N. 1º 27' E. 221 E. BEARING. N. 440 Sheet No. 3.—Revised Feb., 1915. 2-3 1-2 3-4 4-1 CORNERS. 69926 21488 91164 41098 8-2349

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S. AREAS.

5172 15 1972 84 2199 31 159 97 193 3A 19 26 YE33 ELVA FORTER. Tacs pr 8 7168 STATE OF AMERICA. TIS 92 8E.38 AP OF 0 88 12 OF 12% LEAKE MO. TOT 08 83 0 89 ST 12 10 GT 22 82 52 Te 66 99 26 32 17 29 T 3 S E 88.31 28.82 134.88 T: 6476 Closing error. 11. 44. 55. E. E. 25. E. 25. E. 25. E. 25. 44. E. 25. 24. E. 25.

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APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, March 20, 1917.

The foregoing field notes of Homestead Entry Survey No.

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executed by Walter G. Turley. Surveyor Forest Service [Forest Service Title.] under his special instructions, dated June 10 , 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

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.

8-2349