Form 85 Sheet No. 1 (Revised July 1, 1914.)

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153

NOV.23.1918

JAN 17.1919

MAY 15 1920

U. S. DEPARTMENT OF AGRICULTURE FOREST SERVICE

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 490

SITUATED IN THE

APACHE

NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 2 , un surveyed, Township 3 S., Range 31 E.
In Section 3 , unsurveyed , Township 3 S., Range 31 E.
In Section 10 , unsurveyed , Township 3 S., Range 31 E.
In Section 11 , unsurveyed , Township 3 S., Range 31 E.

(Sees. 2 and 3)

of the

Gila and Salt River Base & Meridian.

State of

ARIZONA.

Applicant for listing Ed Elrage

Residence

Clifton, Arizona.

Application No. 99

, dated Feb. 5andAug. 24, 1910

List No. 3-1307 , dated May 20

, 1911

Applicant for survey

Ed Elrage

Residence

Clifton, Arizona

√ H. E. No. 016222

, dated

January 29

, 1912

Office Land District Phoenix, Arizona.

Survey executed by

Lee C Daves

Surveyor - Forest Service

[Forest Service Title.]

Under special instructions dated

June 21

, 1916

Survey commenced

March 13

, 19.17

Survey completed

March 15

, 19 17

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

(OVER)

OATH OF ASSISTANTS

We hereby certify that we assisted Lee C. Daves

Surveyor - Forest Service in surveying all those

[Forest Service Title.]

parts or portions of Homestead Entry Survey No. 490 , 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 oath to assistant; hence it was taken by the surveyor.

Subscribed and sworn to before

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	-(-/-			
-				
10				
-				
ne	this	fifteenth		day of
		0		

March

, 19 17 .

Luchares

Surveyor - Forest Service

OATH OF SURVEYOR

I, Lee C. Daves

Surveyor - Forest Service
[Forest Service Title.]

do solemnly swear that, in strict conformity with the special instructions of the United States Surveyor General for ARIZONA, dated June 21, 19 16, 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

, No. 1307 , dated May 20 , 19 11 , for LIST , under the Act of June 11 , 19 06, the same to be known as Homestead Entry Survey No. 490 National
, Township 3 S. , Range 31 E.
, Township 3 S. , Range 31 E.
, Township 3 S. , Range 31 E. situated within the National Forest, in 2 un surveyed Section 3 un surveyed Section unsurveyed Section 10 Range 31 E. unsurveyed Section 11 , Township 3 S., m Ran of the Gila and Salt River Base andmeridian, ARIZONA 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
[Forest Service Title.]

Subscribed and sworn to before me this fourth

day of

September

, 19 18

SEAL.

9-2240

Notary Public.

150

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains

e a djiv

Applicant for listing, Ed Elrage; Application No. 99, dated February 5, 1910 and August 24, 1910; List No. 3-1307, dated May 20, 1911; H.E. 016222 made in the Phoenix Land Office on January 29, 1912 by Ed Elrage.

Surveyed under special instructions from the Surveyor
General for Arizona, dated June 21, 1916 and designated as Homestead Entry Survey No. 490.

Situated in what will probably be, when surveyed, Secs. 2, 3, 10 and 11, T. 3 S., R. 31 E., Gila and Salt River Base and Meridian, Apache National Forest, Arizona.

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

Note: The boundaries of this claim were changed so as to simplify the lines and to include all possible agricultural land intended to be embraced in the original listing, while excluding Forest Lands. The boundaries as run in this survey are in accordance with the desires of the claimant and meet with the approval of the Forest Service. This survey will be used as a basis for substitute listing and amendment of entry.

Survey commenced March 13, 1917, and executed with a Buff and Buff transit No. 9702, equipped with Smith solar attachment.

Beginning at Cor. no. 1.

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.

-2349

STATE OF ARIZONA.

Chains March 13, 1917 . egerid 5d , gaitelf for thesilqqA ented At Cor. No. 1 of this claim hereinafter described, Lat. ni oben 33° 11' 52" N., Long. 109° 08' 28" W., from the U.S.G.S. Topographic Sheet, of the Morenci Quadrangle, I obs. Polaris at W. Elong. at 8h. Ol. 8 p.m., l.m.t. Reference mark: a light on the U S G S B. M., approximate-- le ly 13 chs. dist. in a northeasterly direction. Angles read by repetitions from star to mark. One set of repetitions being two direct and two reversed positions of the telescope. If but of 1/4 (171° 08' 30") = 42° 47' 08" esse revia 1/4 (171° 08' 00") = 42° 47' 00" Diff bet. obsns. is 08" or U. '1 rebnu bevevrus 178° 381 49" Azimuth of star Mean angle misto 42° 47' 04" : stoll eldiAzimuth of mark; or 221° a 25' 53" viliquis of which corresponds to a bearing of N. 41° 25' 53" E. . Accept bearing of reference mark as N. 41° 26' E., from son browhich all the courses of this survey were deflected ent atiby sustained angulation . to series ent atiw ed II iw yevrus sidi .esivred jserog March 13, 1917.

March 14, 1917

Beginning at Cor. No. 1.

Deposit a basalt stone 6 x 4 x 3 ins. marked with a +

124 ins. in the ground, over which set an iron post

2 in. in dia., 36 ins. long with brass cap marked

1917 l l E S 490 in E. quadrant; and raise a mound

of stone 4 ft. base, 2 ft. high E. of cor., whence:

The U S G S Bench Mark, which is an iron post

11 od a 11 y 32" in dia., showing 12 ins. above ground,

a dist.

12 ins. in the ground, over which set an iron post

13 ins. in the ground, over which set an iron post

2 in. in dia., showing 12 ins. above ground,

2 ins. in the ground, over which set an iron post

2 ins. in dia., showing 12 ins. above ground,

of entry.

. 3.

APACHE NATIONAL FOREST

STATE. OF NEW MEXICO.

A live oak 32 ins. in dia., bears S. 31° 45' Chains E., 29 lks. dist., marked 1 H E S 490 + B T. U S L M No. 237 H E S, which is a granite stone 25 x 20 x 7 ins. in mound of stone, marked marked with a + USLM 237 HES on S. face set over + ent a sandatone chiseled on S. side of a red sandstone column on S. bank of San Francisco River, bears N. d bas taioq es 43~45.30" W., 80.93 chs. dist. by traverse whence: which appears at the end of these notes. Mag. decl. at 7:00 a.m., is 13° 30' E., which gives the mean mag. decl. as 13° 27' E. Lat. 33° 11'52" N., Long. 109° 08' 28" W., from Morenci Quadrangle U.S.G.S. Topographic sheet. I turn an angle of 5-33 to the left from the reference emse foring 46 x 40 x 24 ins. acove mentioned. Thence N. 35 53 E. boulder + on top 4 H B Along left bank San Francisco kiver, up stream. Harden Cienega Creek, running water, 20 lks. wide, 1 27.50 eldabijbergmi ali eldalisva sessentiw on To cor. No. 2. 27.98 Deposit a sandstone 8 x 6 x 4 ins. marked with a + 14 ins. in the ground, over which set a conglomerate stone 24 x 16 x 8 ins., chiseled + for the point and 2 H E S 490 on SE. face; and raise a mound of stone 4 ft. base, 2 ft. high SE. of cor. . Wa servos . so No witnesses available. Pits impracticable. Note: The San Francisco River was not intended to form a meander boundary of this claim. 14.87 To cor. No. D. Point for cor. falls on a limestone boredtr, in place,

emas Letino I Over sandy river bottom.

8.00 old channel San Francisco River, 100 lks. wide, to . I daid running water, 25 lks. wide, 6 ins. deep, course SW.

64.

TEAPACHE MOIT NATIONAL FOREST

STATE OF ARIZONA. TATE

Asc. 10 ft. bank, bears NE. and SW. Chains 8.50 Asc. 250 ft. to cor. on W. point rocky spur ridge. 9.00 S L M Mo. 237 H B S, which is a To cor. No. 3. 14.15 Deposit a sandstone 4 x 4 x 2 ins., marked with a + 14 ins. in the ground, over which set a sandstone side of a red sands tone column 24 x 14 x 9 ins., chiseled + for the point and 3 on S. bank of San Francisco River, bears L. H E S 490 on SW. face; and raise a mound of stone 4 ft. base, 2 ft. high SW. of cor., whence: the end o No witnesses available. Pits impracticable. decl. et 7:00 s.m., is 13 50 L., which gives the mean mag. decl. as 13 Thence S. 39° 55' E. Desc. 150 ft. to cor. along rocky SW. slope. merenci quadrangle u.S.G.S. Topographic sheet To cor. No. 4. 26.71 Point for cor. falls on a limestone boulder in place, showing 48 x 40 x 24 ins. above ground. I chisel same boulder + on top 4 H E S 490 on W. face; and raise a mound of stone 4 ft. base, 2 ft. high W. of cor., Harden Cienega Creek, running water, 20 lks. No witnesses available. Pits impracticable. To cor. No. 2. ns. marked with a * opposit a sandstone 8 x Thence S. 22° 20' W. Desc. 10 ft. from rock point. 14 ins. in the Bottom. Thence across rocky creek bottom. 1.00 10.00 Enter heavy cottonwood and sycamore timber, bears NW. stone 4 ft. base, & ft. high bH. of cor. and SE. 2.60 Harden Cienega Creek (dry) 200 lks. wide, course NW. t intended to Leave timber, bears NW. and SE. edon :edon 13.50 Asc. 45 ft. to cor. On N. slope. 14.87 To cor. No. 5. Point for cor. falls on a limestone boulder, in place, showing 40 x 24 x 12 ins. above ground. I chisel same 100 lks. wide, stone + for the point and 5 H E S 490 on N. face; and

. Wa earlos , qeeb . ani a . ebiw . ani da ft. base, 2 ft. high N. of

. 35.

APACHE NATIONAL FOREST

STATE OF THARIZONAL

Chains cor., whence: No witnesses available. Pits impracticable. After careful search no list corners were found. March 14, 1917. March 15, 1917. Area of this claim is 8b.00 acr Thence N. 56° 30' W. Along NE. slope. 28.40 To cor. No. 6. Deposit a sandstone 4 x 3 x 2 ins., marked with a + teleno: 14 ins. in the ground, over which set a sandstone 24 x 10 x 6 ins., chiseled + for the point and 6 H E S 490 on N. face; and raise a mound of stone 4 ft. base, 2 ft. high N. of cor., whence: A juniper, 18 ins. dia., bears S. 36° 10' E., 125 lks. dist., marked 6 H E S 490 + B T. No other witnesses available. Pits impracticable. DESCRIPCION ds Tevin cos This claim is situated on Thence S. 48° 26' W. Over mesa, through scattering low mesquite brush. To cor. No. 7. Deposit a limestone 5 x 4 x 2 ins., marked with a + laces. 16 ins. in the ground, over which set a limestone 26 x 16 x 7 ins., chiseled * for the point and 7 row the Kiver. H E S 490 on N. face; and raise a mound of stone 4 ft. base, 2 ft. high N. of cor., whence: ne San Francisco A mesquite 4 ins. dia., bears S. 59° 30' E., 44 lks. dist., marked 7 H E S 490 + B T. ere observed on the claim. No other witnesses available. Pits impracticable. Thence N. 66° 22' W. Desc. 110 ft. to cor. Bottom of rocky W. slope, bears N. and S., thence over sandy river bottom.

-2349

PAPACHE NATIONAL FOREST

·d 6.

STATE OF IMARIZONA.

	To cor. No. 1 and point of beginning. Note: After careful search no list corners were found.					
AND THE REAL PROPERTY AND ADMINISTRATION OF THE PARTY.	AREA					
	Area of this claim is 85.00 acres. Thence M. 56° 50' W.					
	IMPROVEMENTS IMPROVEMENTS					
* 8 1	The improvements made upon and for the benefit of					
	this claim and belonging to the claimant consist					
9	of the following: 24 x 10 x 6 ins., chiseled + for the point and A frame house 40 x 60 ft., the long side extending H E S 490 on N. face; and raise a mound of store					
# 91	E. and W., the NE. cor. of which bears S. 42° 33' W.,					
E.,	Of .7.35 chs. dist. from cor. No. 3.					
	00.0021\$					
eldsoits	No other witnesses systlable. Pits impre					
DESCRIPTION						
ACT TRANSPORTED TO STATE AND ADDRESS OF THE ST	This claim is situated on the San Francisco River at					
· ne	the mouth of Harden Cienega Creek. The latter flows from SE. to North across the land.					
† B (The soil in the river and creek bottom is sand, with					
enc	boulders and gravel in many places. The hillsides					
7	are rocky and unfit for cultivation.					
ne 4	Water is obtained for domestic purposes from the River.					
	About 30 acres were in cultivation, but this area					
	has been completely washed out by the San Francisco					
Sticable	18 + River. H V bearem . tsib . saf 44 Mo indications of mineral were observed on the claim. No other witnesses available.					
Samuel Constitution of Assessment Spine Season	CONFLICTS AND ADJOINING CLAIMS					
You	No conflicts nor adjoining claims. H. E. S. 237 lies approximately one mile NW. of this claim.					
10,0 8	4.90 Bottom of rocky W. slope, bears W. and S., thenc					

sandy river bottom.

7.

APACHE NATIONAL FOREST

STATE OF ARIZONA.

Chains				mo A Venor			a.	Chair
				TRAVERSE				
	Cor.	Cour	se	Dist.	N	S	. E	W
	2-3 N 3-4 S 4-5 S 5-6 N 6-7 S 7-1 N	35°53' 89°22' 39°55' 22°20' 56°30' 48°26' 66°22'	E. E. W. W.	27.98 14.15 26.71 14.87 28.40 12.42 9.89 134.36	22.67 .16 15.68 3.96 42.47	20.49 13.75 8.24 42.48 42.47	16.40 14.15 17.14 47.69 47.68	5.65 23.68 9.29 9.06 47.68
	Error in Lat. and Dep01 .01 Closing error 1:9501 TIE to U S L M 237 H.E.S.							
	Course		Dist.	N	S	E	W	
	S. 50° (South	47' W. 00' E.	20.00		12.86 17.50 34.61		.20	
		00' E.	10.00 26.14	11.90	6.43	7.66	90	
				12.95	71.40 12.95 58.45	56.17 .20 55.97	.20	
	a 470	AE 1 701		0 07 aba	2: -+ /			

S. 43° 45' 30" E., 80.93 chs. dist.

The listing survey locates this claim in sec. 9, T. 3

S., R. 31 E., unsurveyed, which location is found to
be in error by reason of the tie to U.S.L.M. No. 237

H.E.S., the position of which is determined by connection to public land corner.

Survey completed March 15, 1917.

Surveyor - Forest Service

MATIONAL FOREST

STATE OF AR TO STATE

	3.935 3.000					
Chains		TRAVERSE			Chains	
W H	e u	.Jale	Course	.700		
14. I.5 49 17. 14 75	20. 15.68 8. 2.96 42.47 42.	14.15 26.71 14.87 28.40 12.42 9.89	N. 55°55' E. N. 89°22' E. S. 59°55' E. D. 56°50' W. S. 48°26' W. M. 66°22' W.	2-3 3-4 4-5 5-6		
Error in Lat. and Dep.						
		1	ng error 1:950	Closic		
TIE to U S L M 237 H.E.S.						
W	S . E	N	Dist.	Course		
	12.86 15.32 17.50 34.61 9.92 6.43 7.66		20' E. 20.00 17.50 20' E. 36.00 20' E. 10.00 55' E. 26.14	8. 50 Bouth 8. 16 8. 50		
Via.	71.40 56.17 12.95 .20 58.45 55.97	G8.8T			1	
	.Jain	0.93 chs.	45' 30" H., 8	S. 43		
ec. 9, T. 3	s ni mialo ai	ocates th	isting survey l	The l		
S., R. 31 H., unsurveyed, which location is found to						
be in error by reason of the tie to U.S.L.M. no. 237						
H.E.S., the position of which is determined by connec-						
		d corner.	a to public lan	tion		
	17.	on 15, 19.	y completed Mer	curve		

Surveyor - Porest Service

D 6210

20 1700 09 Directions.—1. Carry out calculation of two decimals only.

2. In balancing Latituces and Departures do not obliterate or change the original figures.

2. In balancing Latituces and Departures do not obliterate or change the footing of the original figures, but put below them the corrected 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.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal.

3. In calculations of fallings take result to nearest link. In calculations of N. and S. areas drop all after second decimal.

4. Only three copies of this tabulation are necessary, for the District Office, the Surveyor General, and the Commissioner. 64 52 70 51 88 N. AREAS. 35 1362 947 371 ARIZONA D. 95 89 73 39 DOUBLE M. 40 24 90 41 46 78 16 09 27 0 STATE OF 68 89 90 65 68 WEST. 53 0 6 D DEPARTURES. 47 NO. 490 14 15 14 69 16 40 EAST. 17 47 HOMESTEAD ENTRY SURVEY 49 75 24 48 SOUTH. 20 13 8 LATITUDES. 69 16 67 68 96 47 NORTH. 12 42 23 22 TABLING AND CALCULATIONS OF 68.6 DISTANCE 27.98 26.71 14,87 28.40 12.42 14.15 134.36 Closing error 1:9501 W. N. 56°301 W. 田 田 M E BEARING. S. 48°26' S. 22°20F 35,22 N. 66°22* S. 39°55 N. 89°22 Sheet No. 3.—Revised Feb., 1915. CORNERS. 1-2 2-3 3-4 4-5 2-6 2-9 7-1 8-2349

Acres

8

85

14 64

1603

1233

S. AREAS.

86

225

48

3062

1862 70

163

APPROVAL

Office of the United States Surveyor General,

Phoenix, Arizona, march 17, 1920

The foregoing field notes of Homestead Entry Survey No.

490

Lee C. Daves, Surveyor under his special instructions, dated , 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved. W. S. Surveyor General.

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

FRANK P. TROTT

U. S. Surveyor General.