

ORIGINAL

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U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

AN 3-1916

JUN 20 1911

FIELD NOTES

OF

HOMESTEAD ENTRY SURVEY NO. 328

SITUATED IN THE PRESCOTT NATIONAL FOREST

ADMINISTRATIVE DISTRICT NO. 3

In Section 13, unsurveyed, Township 14 N., Range 2 E.

In Section 24, unsurveyed, Township 14 N., Range 2 E.

and

Establishment of U.S.L.M., No. 328 H.E.S.

of the

Gila and Salt River Base and Meridian.

State of

ARIZONA.

Applicant for listing J. V. Dickinson, ✓

Residence Dewey, Arizona.

Application No. 101 ✓, dated May 3, 19 11 ✓

List No. 3-1417 ✓, dated September 5, 19 11 ✓

Applicant for survey Geo. W. Ralston, ✓

Residence Dewey, Arizona.

H. E. No. 024877, dated May 2, 19 14 ✓

Office
Land District Phoenix, Arizona.

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

Under special instructions dated February 11, 19 15 ✓

Survey commenced May 21, 19 15

Survey completed May 22, 19 15.

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

126

OATH OF ASSISTANTS

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

parts or portions of Homestead Entry Survey No. **328**, in the State
of **Arizona**, which are represented in the following field notes
as having been surveyed by him and under his direction; and that said
survey has been in all respects, to the best of our knowledge and
belief, well and faithfully surveyed, and the corner monuments estab-
lished, according to the instructions furnished by the United States
Surveyor General for **Arizona.**

Note: It would have been
very expensive and incon-
venient to appear before an
officer to administer oaths
to Assistants; hence, they
were taken by the Surveyor.

Charles D. Hodson - Chairman.
E. S. Baechly - Chairman.

Subscribed and sworn to before me this *twenty third* day of
May, 19*15*.

R. P. A. Johnson
Surveyor Draftsman

OATH OF SURVEYOR

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

do solemnly swear that, in strict conformity with the special instruc-
tions of the United States Surveyor General for **Arizona**, dated
February 11, 19 **15**, and the laws of the United States, I have
well, faithfully, and truly, in my own proper person, surveyed a tract
of land **embraced in**

List, No. **3-1417**, dated **September 5, 19 11**, for
Patent, under the Act of **June 11**, 19 **06**,
the same to be known as Homestead Entry Survey No. **328**,
situated within the **Prescott** National Forest, in
un surveyed Section 13, Township **14 N.**, Range **2 E.**, and
un surveyed Section 24, Township **14 N.**, Range **2 E.**,

of the **G. & S. R. B. &** meridian, **Arizona**, and the
related retracements and resurveys and section subdivisions, which are
represented in the following field notes as having been surveyed by me;
and I further solemnly swear that all the corners of said survey have been
established and perpetuated in strict accordance with the stated special
instructions, and in the specific manner described in the field notes,
and that the following are the original field notes of such survey.

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

Subscribed and sworn to before me this *twelfth* day of
June, 19 *15*.

Elsie C. Myers
Notary Public



PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Applicant for listing, J.V. Dickinson; Application No. 101, dated May 3, 1911; List No. 3-1417, dated Sept. 5, 1911; H.E. No. 024877 made in the Phoenix Land Office on May 2, 1914, by Geo. W. Ralston.

Surveyed under special instructions from the Surveyor General for Arizona, dated February 11, 1915 and designated as Homestead Entry Survey No. 328.

Situated in T. 14 N., R. 2 E., in what will probably be when surveyed secs. 13 and 24, G. & S. R. B. & M., Prescott National Forest, Arizona.

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

The list survey locates this claim in Sec. 24, T. 14 N., R. 2 E., while the entry survey locates it in Secs. 13 and 24 T. 14 N., R. 2 E. The latter location is believed to be the more accurate by reason of the tie to

U.S.L.M. No. 328 H.E.S., the position of which was determined from topographic bearings recorded in connection with the establishment of said U.S.L.M. as hereinafter described.

Survey commenced May 21, 1915, and executed with a Buff and Buff transit.

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.

May 21, 1915.

At 4h. 29.m. p.m., l.m.t., I observe the altitude of the sun for azimuth at cor. No. 1 of this survey. The reading on the reference object is set at zero and the sun was observed in the upper left and lower right quadrants of the field. My watch is set for local mean time. Lat $34^{\circ} 35' N.$ Long. $112^{\circ} 06' 30'' W.$ Elevation 5200 ft. by account from Jerome Quadrangle.

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains	Telescope	Time	Horizontal Angle	Vertical Angle
	Direct	4h. 29m. 22s.	83° 52'	29° 17'
	Reverse	4h. 29m. 56s.	84° 25'	29° 42'

Bearing of object N. 0° 39' 57" W.

Return 0° 39' 57" to E. and set a tack in a stake 5.00

chs. N. of my station.

At 7h. 13.2m. p.m., 1.m.t., I observe Polaris, teles-

cope direct, at cor. No. 1 and mark the line thus

determined by a tack in a stake set 5.00 chs. N. of my station.

Astron. l.m.t. obsn. May 20, 1915 31h. 13.2m.

Astron. l.m.t. U.C. Pol. May 20, 1915 21h. 36.5m.

9h. 36.7m.

Long. cor. 1.3m.

Hour Angle Pol. at obsn. 9h. 38.0m.

Azimuth of Polaris 47° 30' W.

At 7h. 14.8m. p.m., 1.m.t., I again observe Polaris,

telescope reversed, at cor. No. 1 and mark the line

thus determined by a tack in a stake set 5.00 chs. N. of my station.

Astron. l.m.t. obsn. May 20, 1915 31h. 14.8m.

Astron. l.m.t. U.C. Pol. May 20, 1915 21h. 36.5m.

9h. 38.3m.

Long. cor. 1.3m.

Hour Angle Polaris at obsn. 9h. 39.6m.

Azimuth of Polaris 47° 06' W.

May 22, 1915.

I turn off azimuth of Polaris from my last night's

observations which defines lines which differ 30" and

36" from meridian determined by direct solar. I take

a mean of the three observations and to the corres-

ponding meridian all the courses of this survey are

referred.

sun was observed in the upper left and lower right

quadrants of the field. My watch faced for local

mean time. Lat 34° 33' N. Long. 113° 06' 30" W.

elevation 5300 ft. by account from Jerome

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PRESCOTT NATIONAL FOREST

STATE OF ARIZONA.

Chains

At apparent noon, I observe the passage of the sun on the meridian for time.

Sun's limb Watch Time.

Right 11h. 58m. 50s.

Left 12h. 01m. 04s.

From this observation, I calculate my watch to be 3m. 30s. fast. The time of last night's observations of Polaris are corrected accordingly.

There being no cor. of the public land survey or

U. S. Location Monument within the prescribed limits,

I establish U. S. L. M. No. 328 H. E. S. on edge of

Mescal Mesa. East of Ash Creek and 900 ft. above

it, I mark a cross on top of malpais boulder in place

48 x 48 x 8 ins. above ground, and U S L M No 328 H E S

on N. side of same stone; and raise a mound of stone

7 ft. base, 6 ft. high, 19 lks. W. of cor. whence:

Dump Sitting Bull mine bears N. 41° 28' E. 2

miles dist.

Highest visible point of Mingus Mountains bears

N. 2° 25' W. approximately 5 miles dist.

Goat Head Peak bears N. 3° 57' E. 1 mile dist.

Junction Ash Creek and Little Ash Creek bears

N. 5° 45' W. 3/4 miles dist.

SW. cor. of a ranch house bears N. 55° 20' W. 1

mile dist.

The Val Verde smelter at Humbolt bears S. 49° W.

10-1/2 miles dist.

Highest visible point of Bradshaw Mountains bears

S. 31° 30' W. 13 miles dist.

Flag Pole on school house at Dewey bears S. 60° 58'

W. 9 miles.

(Distances to above mentioned topographic bearings are approximate).

Chains

Cor. No. 1 H. E. S. 328 bears S. 85° 12' W.

22.39 chs. dist., traverse for which appears at the end of these notes.

U. S. L. M. No. 2, in the Cherry Creek Mining District, described in special instructions as a possible tie, is on east side of north fork of Cherry Creek. From Jerome Quadrangle, I determine that at no point is north fork of Cherry Creek within two miles of this claim.

Beginning at cor. No. 1 which is an imbedded malpais stone 40 x 10 x 10 ins. above ground, I mark cross on top of this stone and 1 - H E S 328 on SW. face and raise a mound of stone 3 ft. base, 2 ft. high, SW. of cor. from which:

A walnut 10 ins. dia. bears N. 71° 50' W. 43 lks. dist., scribed 1 H E S 328 B.T.

No other witnesses available. Pits impracticable.

U. S. L. M. No. 328 H. E. S. heretofore described bears N. 85° 12' E. 22.39 chs. dist.

Cor. H-3 of list survey, which is a 10 in. walnut marked and witnessed as described by the Forest Service, bears N. 71° 50' W. 43 lks. dist. I destroy all trace of the list cor.

Lat. 34° 35' N. Long. 112° 06' 30" W. From Jerome Quadrangle U. S. G. S.

Mag. var. at 4 p.m., 14° 21' E. Mean mag. var. 14° 23' E.

Thence S. 0° 53' W.

Ascend 45 ft. along west slope in oak brush.

38.01 To cor. No. 2.

At this point I set a diorite stone 30 x 12 x 5 ins., 20 ins. in the ground over a small stone marked with

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STATE OF ARIZONA.

Chains

a cross, chiseled 2 - H E S 328 on NW. face; and raise a mound of stone 3 ft. base, 2 ft. high, NW. of cor. from which:

A juniper 8 ins. dia. bears N. 34° 04' E. 8 lks. dist., scribed 2 H E S 328 B T.

A juniper 6 ins. dia. bears N. 9° 59' E. 9 lks. dist., scribed 2 H E S 328 B T.

Cor. H-4 of list survey which is an 8 in. juniper marked and witnessed as described by the Forest Service bears N. 34° 04' E. 8 lks. dist. I destroy all trace of this list cor.

Thence S. 80° 31' W.

Descend 65 ft. in open to creek.

4.00 Fence bears N. 30° E. and S. 30° W.

5.55 Fence bears N. 60° W. and S. 60° E.

6.40 Ash Creek, 25 lks. wide, banks 1 ft. high, course S. 15° E. Ascend 25 ft. to cor.

7.50 Road bears N. 60° W. and S. 60° E.

8.68 To cor. No. 3.

At this point, I set a diorite stone 26 x 14 x 6 ins. 16 ins. in the ground, over a small stone marked with a cross, chiseled 3 - H E S 328 on NE. face, and raise mound of stone 3 ft. base, 2 ft. high, NE. of cor. whence:

A juniper 36 ins., dia. bears S. 23° W. 8 lks. dist. scribed 3 H E S 328 B T.

A juniper 12 ins. dia. bears S. 30° 14' E. 83 lks. dist., scribed 3 H E S 328 B T.

Cor. H-1 of the list survey, which is a 36 in. juniper marked and witnessed as described by the Forest Service, bears S. 23° W. 8 lks. dist. I destroy all trace of this list cor.

Chains	Thence N. 0° 22' W. Descend 25 ft. to creek.
1.00	Road bears N. 60° W. and S. 60° E.
2.10	Ash Creek, 40 lks. wide, banks 1 ft. high, course S. 60° E. Ascend 10 ft. along Creek.
17.00	Ash Creek, 40 lks. wide, banks 1 ft. high, course NE. and SW.
27.20	Arroyo, 20 lks. wide, banks 4 ft. high, course E.
35.40	Fence bears S. 25° E., and N. 25° W.
36.50	Foot ascent. Ascend 50 ft. to cor.
43.24	To cor. No. 4. At this point I set a malpais stone 24 x 12 x 5 ins., 14 ins. in the ground, over a small stone marked with a cross, chiseled 4 - H E S 328 on SE. face; and raise a mound of stone, 3 ft. base, 2 ft. high, SE. of cor. from which: A juniper 42 ins. dia., bears S. 63° 18' W. 15 lks. dist., scribed 4 H E S 328 B T. A cross on a malpais stone 24 x 18 x 6 ins. above ground, chiseled B R - 4 H E S 328, bears S. 31° 29' W. 75 lks. dist. Cor. H-2 of the list survey, which is a 42 in. juniper marked and witnessed as described by the Forest Service, bears S. 63° 18' W. 15 lks. dist. I destroy all trace of this list cor.
	Thence S. 68° 10' E. Descend 25 ft. over mesa.
4.70	Edge of mesa. Descend 35 ft. to creek.
5.80	Ash Creek, 25 lks. wide, banks 1 ft. high, course S. 15° W.
7.60	Fence bears S. 30° W. and N. 30° E.
9.60	Ditch 6 lks. wide, 1 ft. deep, course S. 30° W.

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9.80 Fence bears S. 30° W. and N. 30° E.

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

AREA.
Total area - - - - - 36.42 Acres.

IMPROVEMENTS.

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

Frame dwelling 45 x 18 ft., the long side of which bears N. and S. and SE. cor. of which bears N. 85° 35' W. 4.30 chs. dist. from cor. No. 2.

Value - - - - - \$500.00

A frame barn 30 x 18 ft., the long side of which bears N. and S., and SW. cor. of which bears N. 46° 47' W. 5.40 chs. dist. from cor. No. 2.

Value - - - - - \$100.00

There is approximately one mile of wire fence.

Value - - - - - \$125.00

There is approximately 1/2 mile of irrigation ditch.

DESCRIPTION.

This claim, known as Bottle Ranch, is situated on Ash Creek at foot of Black Hill. It is approximately 12 miles east of Dewey, the nearest railroad point and 5 miles from Cherry, the nearest post office. The wagon road to both places is good with exception of the first three miles.

The land slopes to south with west and SE. exposures.

West exposure is covered with oak brush, the remainder of claim being open except for few trees along creek.

Chains

Ash Creek furnishes sufficient water for both irrigation and domestic use.

The bottom land is rich loam and supports good crops.

The slopes are rocky and non-tillable. There is approximately 10 acres in cultivation.

I saw no indication of mineral upon this claim although it is in a mineralized section.

CONFLICTS AND ADJOINING CLAIMS.

There are no conflicting or adjoining claims.

TRAVERSE.

Cor.	Course.	Dist.	N.	S.	E.	W.
1-2	S. 0° 53' W.	38.01		38.01		0.58
2-3	S. 80° 31' W.	8.68		1.43		8.56
3-4	N. 0° 22' W.	43.24	43.24			0.28
4-1	S. 68° 10' E.	10.08		3.75	9.36	
		100.01	43.24	43.19	9.36	9.42
Error in lat. and dep.			43.19			9.36
			0.05			0.06

Closing error 1:1280

TRAVERSE.

Cor. No. 1 to U. S. L. M. No. 328 H. E. S.

Course.	Dist.	N.	S.	E.	W.
N. 68° 10' W.	10.08	3.75			9.36
S. 85° 09' E.	31.23		2.64	31.12	
N. 35° 36' E.	.94	.76		.55	
		4.51	2.64	31.67	9.36
		2.64		9.36	
		1.87		22.31	

Resultant course N. 85° 12' W. 22.39 chs.

Survey completed May 22, 1915.

R.B. Johnson
Surveyor - Draftsman.

37191 92827
99642 08455
58212 81310

99649

PRESCOTT NATIONAL FOREST

STATE OF ARIZONA

Chains

Computation.

Azimuth.

Direct Solar May 21, 1915 at cor. No. 1.

Lat. 34° 35'. Long. 112° 06' 30" W. Elevation 5200 ft.

Telescope	Time	Horizontal Angle.	Vertical Angle.	Position of sun.
Direct	4h. 29m. 22s.	83° 52'	29° 17'	☉
Reverse.	4h. 29m. 56s.	84° 25'	29° 42'	☉
	2) 8h. 59m. 18s.	168° 17'	58° 59'	
	4h. 29m. 39s.	84° 08' 30"	29° 29' 30"	
	7h. 28m. 26s.		01' 30"	
	11h. 58m. 05s.		29° 28'	✓

Dec. 20° 07' 33" N. ✓

$$\text{Cos. } Q. = \frac{\sin. 20^\circ 07' 33''}{\cos. 34^\circ 35' \times \cos. 29^\circ 28'}$$

$$\tan. 34^\circ 35' \times \tan. 29^\circ 28'$$

log. sin. 20° 07' 23"	= +9.536663 ✓
log. cos. 34° 35'	= -9.915559 ✓
log. cos. 29° 28'	= -9.939840 ✓
	9.681264 ✓ = log. .48003 ✓
log. tan. 34° 35'	= 9.838487 ✓
log. tan. 29° 28'	= 9.752052 ✓
	9.590539 ✓ = log. .38953 ✓
Cos. Q.	= .09050 ✓
Q.	= 84° 48' 27" ✓

Bearing of object N. 0° 39' 57" W. ✓

Time.

Passage of Sun's Limb.

Watch Time.

Right 11h. 58m. 50s.

Left 12h. 01m. 04s.

2) 23h. 59m. 54s.

Watch time apparent noon 11h. 59m. 57s. ✓

Time correction + 3m. 33s. ✓

Watch time noon 12h. 03m. 30s. ✓

Noon 12h. 00m. 00s.

Correction watch fast 0h. 03m. 30s. ✓

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

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

Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.

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

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. 328, STATE OF ARIZONA.

CORNERS.	BEARING.	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1-2	S. 0° 53' W.	38.01		38.01		0.58	18 18	691 39	
2-3	S. 80° 31' W.	8.68		1.43		8.56	9 07	12 97	
3-4	N. 0° 22' W.	43.24	43.24			0.28	0 26		11 24
4-1	S. 68° 10' E.	10.08	43.24	3.75	9.36		9 37	35 23	
		100.01	43.24	43.19	9.36	9.42	11 24	739 59	
			43.22	43.22	9.37	9.37		11 24	
								20)728 35	
								36 417	Acres.

Closing error 1:1280

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T.A.

APPROVAL

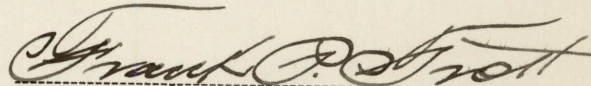
Office of the United States Surveyor General,

Phoenix, Arizona, August 14, 1917

The foregoing field notes of Homestead Entry Survey No.

328

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



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.