

Account
G.L.O. 1030 E
4/1/33

FIELD NOTES

BOOK 3974

OF THE SURVEY OF THE

INDIAN ALLOTMENT SURVEY NO. 656

located in

Approximate Sections 17, 18, and 19

of unsurveyed

Township 11 North, Range 10 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Theodore Vander Meer, U. S. Transitman

Under special instructions dated November 3, 1930, which provided for the surveys included under Group No. 166, bearing the approval of the Commissioner of the General Land Office under date of November 15, 1930 and assignment instructions dated July 3, 1933.

Survey commenced July 13, 1933

Survey completed July 16, 1933

3974

3974

2

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

INDEX DIAGRAM

SEC.18

T.11 N., R.10 E., G. and S.R.M.

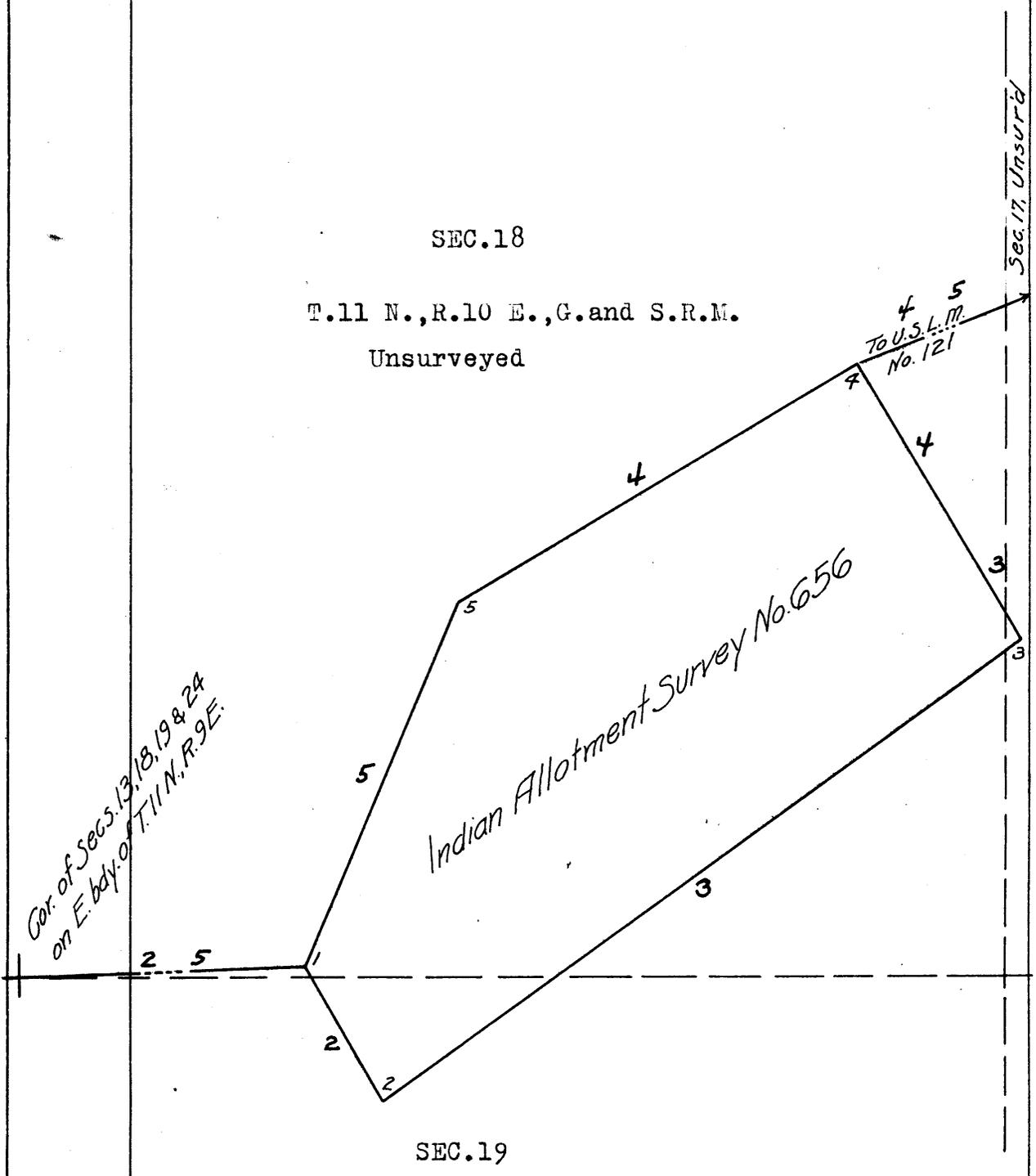
Unsurveyed

*Cor. of Secs. 13, 18, 19 & 24
on E. bdy. of T.11 N., R.9 E.*

Sec. 17 Unsur'd

*To U.S.L.M.
No. 121*

Indian Allotment Survey No. 656



SEC.19

INDIAN ALLOTMENT SURVEY NO. 656.

Applicant for listing: Delia T.E.3, also known as Delia Chapman; List No. 379; listed on Oct. 3, 1907 under the Act of June 11, 1906.

The Commissioner of the General Land Office was advised that the Forest Service had no objection to allowance of entry of the area listed.

Survey executed under special instructions from the District Cadastral Engineer for Arizona dated Nov. 3, 1930, and designated as Indian Allotment Survey No. 656.

Situated in what probably will be, when surveyed, secs. 17, 18, and 19, Township 11 North, Range 10 East, G. & S. R. M., in the Tonto National Forest.

The survey of Indian Allotment Survey No. 656 was executed with a light mountain solar transit, made by the Buff & Buff Co., Serial No. 9977, constructed in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of $4\frac{1}{2}$ ins., with two double verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes; the telescope has fixed stadia wires, ratio 1-132, with a focal constant of 1.2 lks. The instrument is equipped with the improved Smith solar attachment; radius of latitude arc $3\frac{1}{2}$ ins., and of declination arc 3 ins., each with verniers reading to single minutes. The instrument was in good condition and having been placed in satisfactory adjustment prior to beginning the survey, was approved by the district cadastral engineer on July 1, 1933. All the instrument adjustments were examined before making the field tests hereinafter recorded.

The directions of the lines were determined by solar transit method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks. and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained with a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographical position of the SE. cor. of T. 11 N.; R. 9 E.; as follows: latitude $34^{\circ}14'46''$ N., longitude $111^{\circ}22'35''$ W.

July 13, 1933, in camp near the junction of Sycamore Creek with the E. Verde River, approx. latitude $34^{\circ}15'$ N., longitude $111^{\circ}21\frac{1}{2}'$ W., at 0h 21m a.m., l.m.t., I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions and mark the mean point with a tack in a stake driven firmly in the ground about 5 chs. S. After sunrise I set off the azimuth of Polaris, $1^{\circ}16'20''$ to the west and mark the mean point of 3 readings with a tack in a stake driven firmly in the ground about 5 chs. S.

At 30 min. intervals from 9 to 11 a.m. and from 1 to 3 p.m., I make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian estab-

SURVEY OF INDIAN ALLOTMENT SURVEY NO. 656

Chains

lished by Polaris observation, has a maximum error of less than 1'30".

I repeat the tests of the arcs daily by noon observation and verify the meridional indications at frequent intervals during the survey.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. No. 1 of I.A.S.No.656, with brass cap mkd.

IAS
1 656
1933

from which

A juniper, 4 ins. diam., brs S. $52\frac{1}{2}^{\circ}$ E., 2.35 chs. dist., mkd 1 IAS 656 BT.

A live oak, 14 ins. diam., brs. N. $78\frac{1}{2}^{\circ}$ E., 2.69 chs. dist., mkd. 1 IAS 656 BT.

The cor. of secs. 13, 18, 19, and 24, on the E. bdy. of T. 11 N., R. 9 E., which is an iron post 2 ins. diam., firmly set in a mound of stone, marked and witnessed as described in the official record, brs. S. $87^{\circ} 28' W.$ 33.43 chs. dist., by traverse, hereinafter recorded.

No evidence is found of a corner of the location.

Thence

S. $30^{\circ} 00' E.$, on bdy. of I.A.S. No. 656.

Over high water channel of East Verde River. Desc. 3 ft.

2.00 Center of East Verde River, 40 lks. wide, 6 ins. deep, course S.

2.50 Left bank of high water channel of same, brs. N. and S. Enter scattering oak and juniper and medium undergrowth. Asc. 75 ft. over general NW. slope, to cor.

6.00 Drain, course NW.

10.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground and in a mound of stone to top, for cor. No. 2 of I.A.S. No. 656, with brass cap mkd.

IAS
656
2

1933

from which

A juniper, 4 ins. diam., brs. N. $34\frac{3}{4}^{\circ}$ E., 94 lks. dist., mkd. 2 IAS 656 BT.

A juniper, 10 ins. diam., brs. N. $24\frac{3}{4}^{\circ}$ W., 161 lks. dist., mkd 2-IAS 656 BT.

No evidence is found of a corner of the location.

Chains

Thence

N. 54° 16' E., on bdy. of I.A.S. No. 656.

Asc. 16 ft.

2.60 Short spur, slopes NW. Desc. 13 ft.

4.00 Drain, course NW. Asc. 130 ft. over W. slope.

12.20 Rocky spur, slopes NW. Desc. 130 ft. over N. slope.

20.50 Drain, course NNW. Asc. 10 ft. over SW. slope.

24.70 Spur, slopes NW. Desc. 60 ft. over NE. slope.

27.90 Edge of bottom land, brs. E. and W. Through cottonwood, sycamore and walnut timber.

39.40 Enter channel of E. Verde River, course E. from NE.

42.40 Leave same, course SW., from N. Asc. 60 ft. over NW. slope, to cor. Leave timber.

46.20 Small ravine, 12 ft. deep, course NW.

50.29 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. No. 3 of I.A.S. No. 656, with brass cap mkd.

IAS

3
656

1933

from which

A black oak, 4 ins. diam., brs. N. 45° W., 24 lks. dist., mkd. 3 IAS 656 BT.

A juniper, 10 ins. diam., brs. N. 65° W., 77 lks. dist., mkd 3 IAS 656 BT.

No evidence is found of a corner of the location.

Thence

N. 30° 00' W., on bdy. of I.A.S. No. 656.

Desc. 55 ft. over NW. slope.

2.10 Left edge of E. Verde River, brs. NE. and SW., slow moving water, 2 ft. deep.

2.90 Right edge of same. Asc. 12 ft. over sandy channel.

5.00 Intersect the true point for initial monument of List survey, relocated from bearing trees, which bear as follows;

A willow, 24 ins. diam., brs. S. 11½° E., 1.55 chs., blazed but unmarked.

A sycamore, 20 ins. diam., brs. N. 71½° E., 1.34 chs., blazed but unmarked.

A cypress, 28 ins. diam., brs. N. 66° W., 1.45 chs., blazed but unmarked.

SURVEY OF INDIAN ALLOTMENT SURVEY NO. 656.

Chains

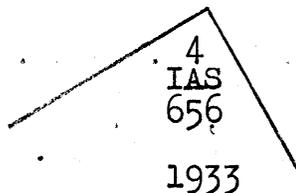
A limestone, 22 x 10 x 10 ins., mkd. with a cross (X) on end, unset, brs. E. 15 lks.

5.35 Small ditch, course SW. Asc. 97 ft. over general S. slope.

12.60 Old wagon road, brs. NE. and SW.

16.80 Wire drift fence, brs. NE. and SW.

20.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. No. 4 of I.A.S. No. 656, with brass cap mkd.



from which

A pine, 12 ins. diam., brs. S. $5\frac{1}{4}^{\circ}$ W., 2.91 chs. dist., mkd. 4 IAS 656 BT.

A juniper, 4 ins. diam., brs. S. $34\frac{1}{2}^{\circ}$ W., 1.10 chs. dist., mkd. BT.

U.S.L.M. No. 121, a limestone rock 1 x 2 x 4 ft. above ground, firmly set, marked and witnessed as described in the official record, brs. N. 54° 12' E. 142.13 chs. dist., by traverse hereinafter recorded.

No evidence is found of a corner of the location.

Thence,

S. 60° 00' W., on bdy. of I.A.S. No. 656.

Desc. 12 ft.

0.45 Drain, course SW.

7.10 Wash, 20 lks. wide, course SSW. Asc. 52 ft. over NE. slope.

14.00 Slope changes; along SE. slope.

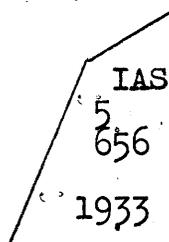
15.70 Slope changes; desc. 45 ft. over SW. slope.

20.00 Drain, course SE. Asc. 70 ft. over SE. slope.

26.20 Spur, slopes SE. Desc. 35 ft. over SW. slope.

29.65 Rocky drain, course S. Asc. 15 ft. over NE. slope.

30.00 Set an iron post, 3 ft. long, 2 ins. diam., on cross (X) marked on bedrock and in a mound of stone, 6 ft. base, to top, for cor. No. 5 of I.A.S. No. 656, with brass cap mkd.



from which

Chains

A black oak, 6 ins. diam., brs. S. 59 $\frac{1}{4}$ ° E., 2.35 chs. dist., mkd. 5 IAS 656 BT.

A juniper, 14 ins. diam., brs. N. 60 $\frac{1}{2}$ ° E., 3.50 chs. dist., mkd 5 IAS 656 BT.

No evidence is found of a corner of the location.

Thence

S. 23° 00' W., on bdy. of I.A.S. No. 656.

Asc. 98 ft. over rocky NE. slope.

3.90 Rocky point, projects SE. Desc. 206 ft. over SW. slope.

12.00 Enter bottom land, washed, brs. NE. and SW.

18.00 E. Verde River, 30 lks. wide, 10 ins. deep, course SW.

21.00 Same river, course S. Over gravel bar.

25.00 Cor. No. 1, place of beginning.

Area of I.A.S. No. 656,..... 97.62 Acres.

TRAVERSES.

From Cor. No. 4 of I.A.S. No. 656,

Thence S. 30° E. 15.00 chains, point for initial monument,

" N. 45° 15' E. 64.98 "

" S. 72° 30' E. 24.18 "

" N. 72° 45' E. 16.06 "

" North, 3.08 "

" N. 25° E. 54.97 " to U.S.L.M. No. 121.

The course and distance bet. Cor. No. 4 of I.A.S. No. 656 and U.S.L.M. No. 121 is therefore N. 54° 12' E. 142.13 chs.

From the corner of secs. 13, 18, 19 and 24,

Thence S. 84° 46' E. 31.36 chs.,

" N. 26° 35' E. 4.85 " to cor. No. 1 of I.A.S. No. 656.

The course and distance bet. such two corners is therefore S. 87° 28' W. 33.43 chs.

SURVEY OF INDIAN ALLOTMENT SURVEY NO. 656.

GENERAL DESCRIPTION.

This claim lies about 7 miles from the town of Pine and about 10 miles from the town of Payson, near the highway between the two. The nearest point of the claim is about $\frac{1}{4}$ mile south-west of the highway bridge across the East Verde River.

It lies across the valley of the E. Verde River, which is rolling in character in this vicinity. The elevation is about 5,000 ft. The soil is a clay-loam of moderate depth and apparently fertile on the two areas of a few acres each that have been cultivated. The remainder is rocky and fit only for grazing.

There is a moderate stand of oak and juniper timber on most of the hilly portion of the claim. The river keeps a width of about 3 chs. devoid of growth; along the edge of the river channel is a moderate growth of live oak, sycamore, cottonwood and walnut. There are a half-dozen yellow pines on the claim. A considerable growth of oak and catclaw undergrowth from two to seven feet in height covers the hill portion of the claim. There is also a smaller amount of manzanita, mahogany, etc.

Two areas of a few acres each were cultivated prior to the death of the claimant's husband. The fences, cabins, and ditches incidental to the cultivation are now deteriorated past repair. The former fields are also considerably eroded. The old road to the claim is not passable.

No mineral was observed.

A stock drift fence runs across the NW. side of the claim.

FINAL TEST.

Rainy weather prevented making a final instrument test in connection with this survey. The continued satisfactory adjustment of the instrument was indicated by tests made in Mayer, Ariz., on July 18, 1933, in connection with surveys in T. 12 N., R. 1 E.

BOOK 3974

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CERTIFICATE OF UNITED STATES SURVEYOR

I, Theodore VanderMeer, U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the third day of November, 1930, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed ~~all those parts or portions of~~ Indian Allotment Survey No. 656, located in approximate sections 17, 18 and 19 of unsurveyed Township 11 North, Range 10 East,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer for Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Phoenix, Arizona
September 20, 1933.

Theodore VanderMeer
U.S. Transitman

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver Colorado, October 7, 1933.

The foregoing field notes of the survey of INDIAN ALLOTMENT SURVEY NO. 656, located in approximate sections 17, 18 and 19 of unsurveyed Township 11 North, Range 10 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Theodore VanderMeer, U.S. Transitman under his special instructions dated November 3, 1930, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. H. P. Simon
U.S. Supervisor of Surveys.

~~I certify that the foregoing transcript of the field notes of the above described surveys of INDIAN ALLOTMENT SURVEY No. 656, has been correctly copied from the original notes on file in this office.~~

U. S. Supervisor of Surveys.