



FIELD NOTES

of

RESURVEY OF THE EAST, SOUTH, WEST AND

WESTERN THREE MILES OF NORTH BOUNDARY

of the

DIMINISHED UMATILLA INDIAN RESERVATION

Of the _____ Meridian,

In the State of _____ Oregon

EXECUTED BY

L. E. Wilkes

In the capacity of U. S. Surveyor____, under Special Instructions dated _____ Feb. 20____, 1917, issued by the United States Surveyor General to govern surveys included in Group No. _____ 29_____, which were approved by the Commissioner of the General Land Office, _____ Apr. 11____, 1917, and Assignment Instructions dated _____ May 3_____, 1917

Survey commenced _____ May 14_____, 1917

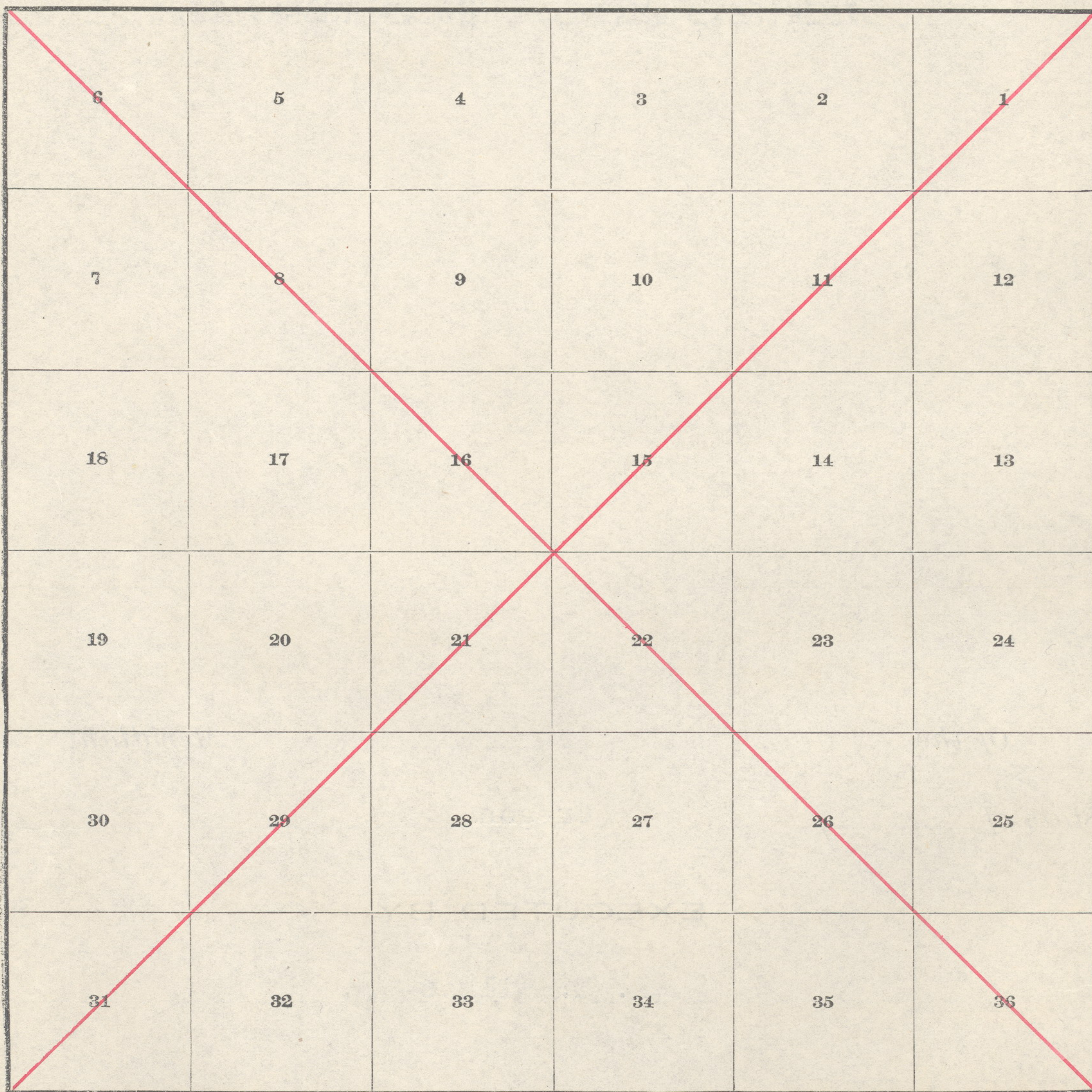
Survey completed _____ November 22_____, 1917

ACCEPTED BY THE HON. COMMISSIONER G. L. O. May 10, 1919

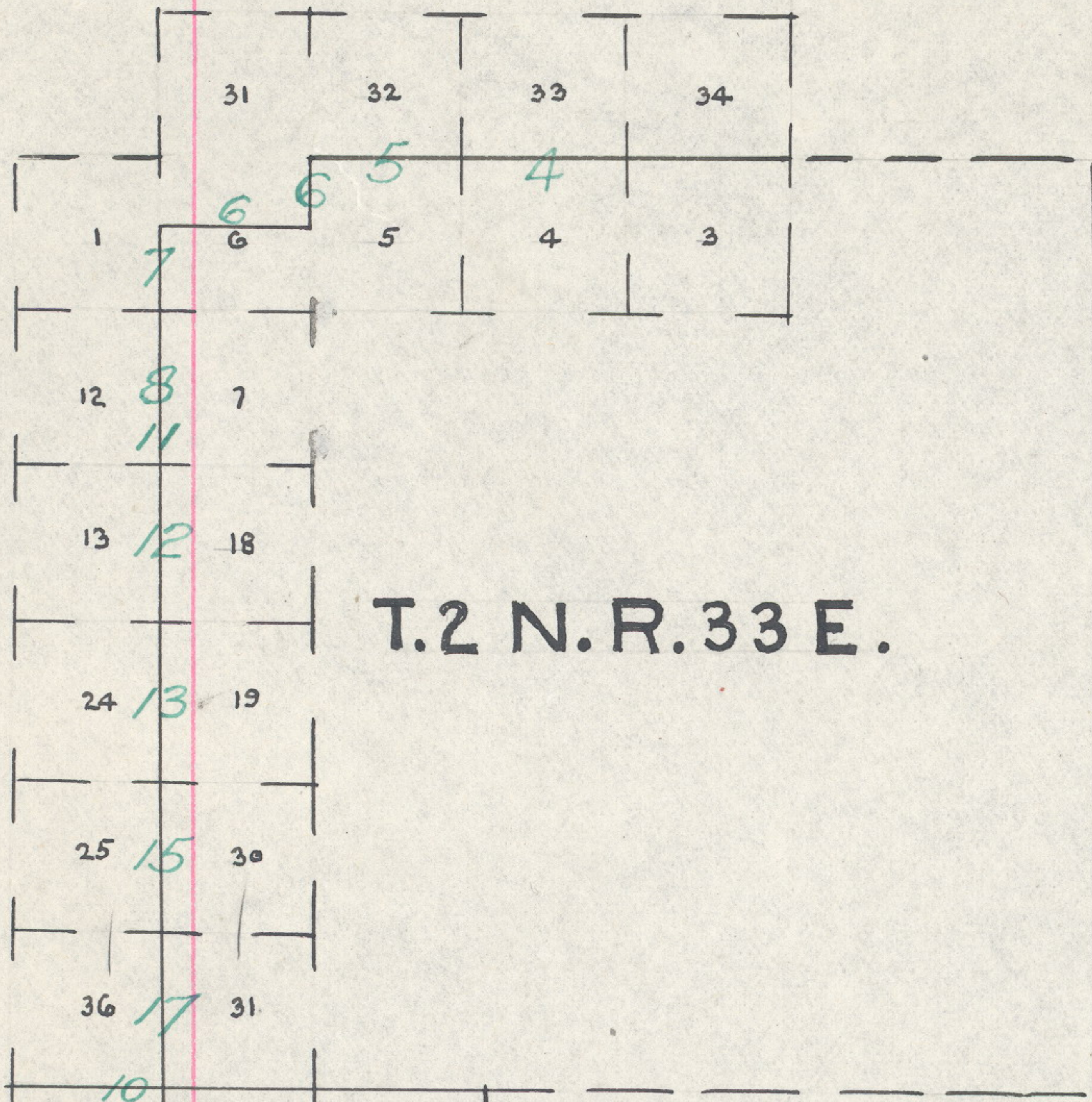
FIELD NOTES

INDEX DIAGRAM.

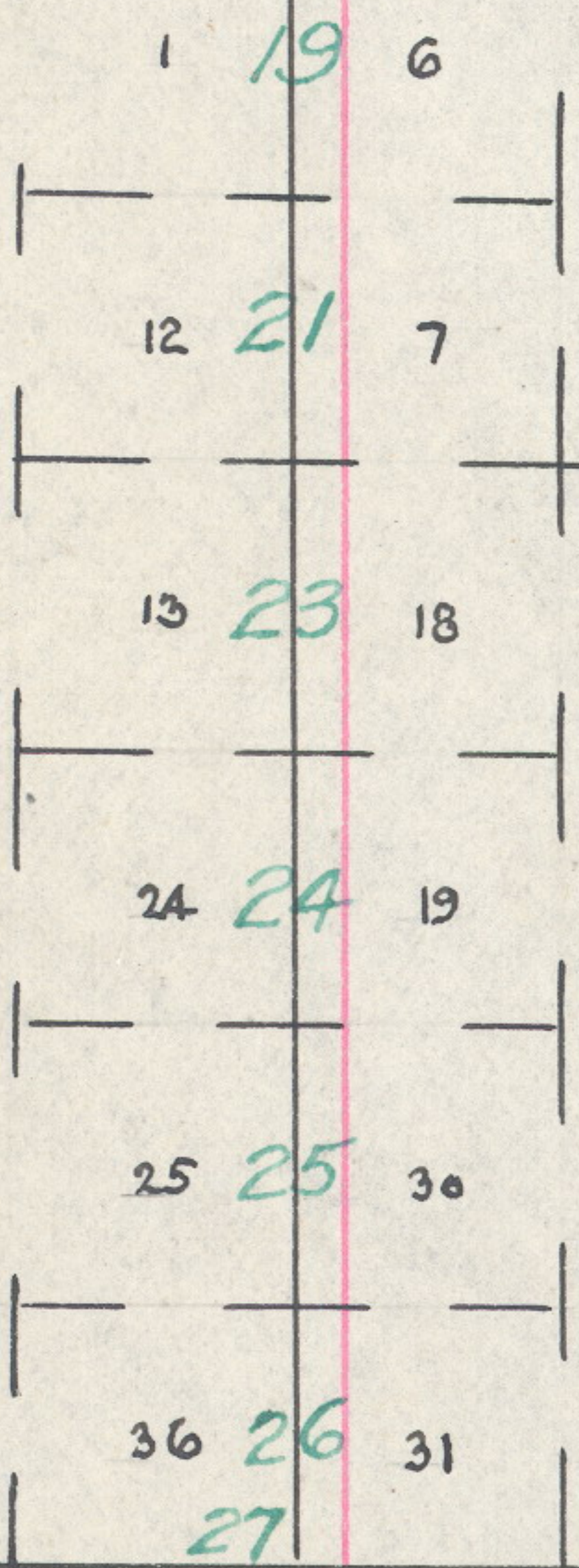
Township -----, Range -----



INDEX DIAGRAM



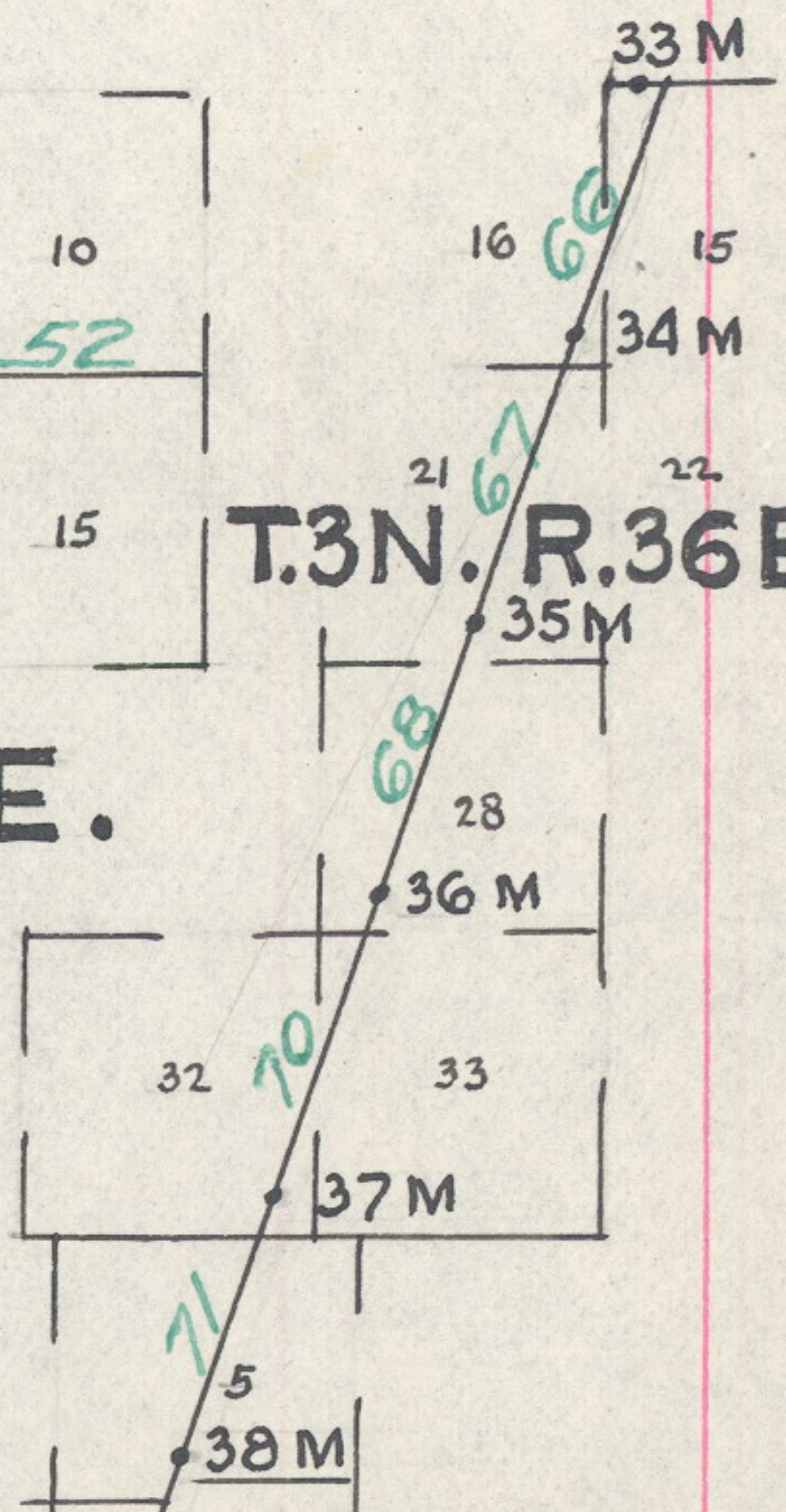
T.2 N. R. 33 E.



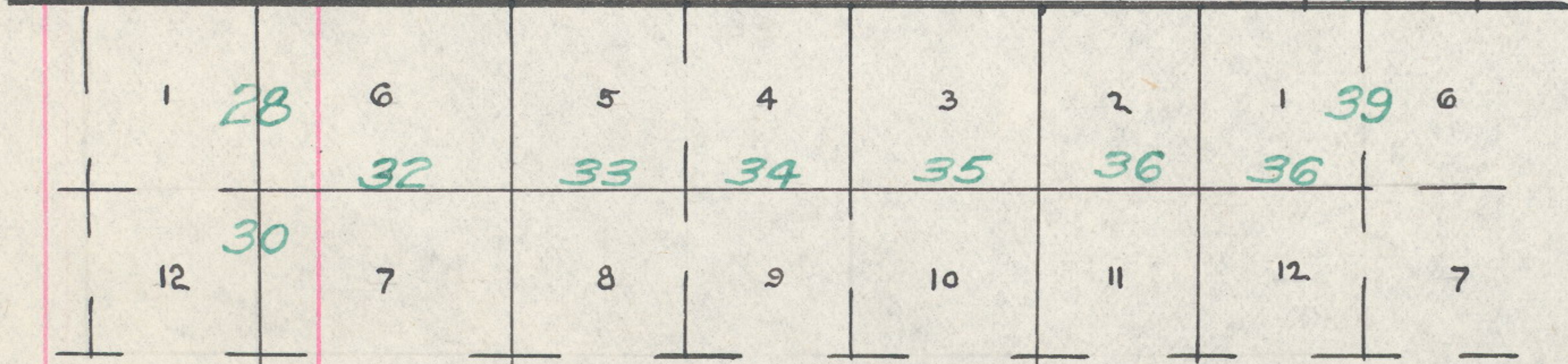
T.1 N. R. 33 E.



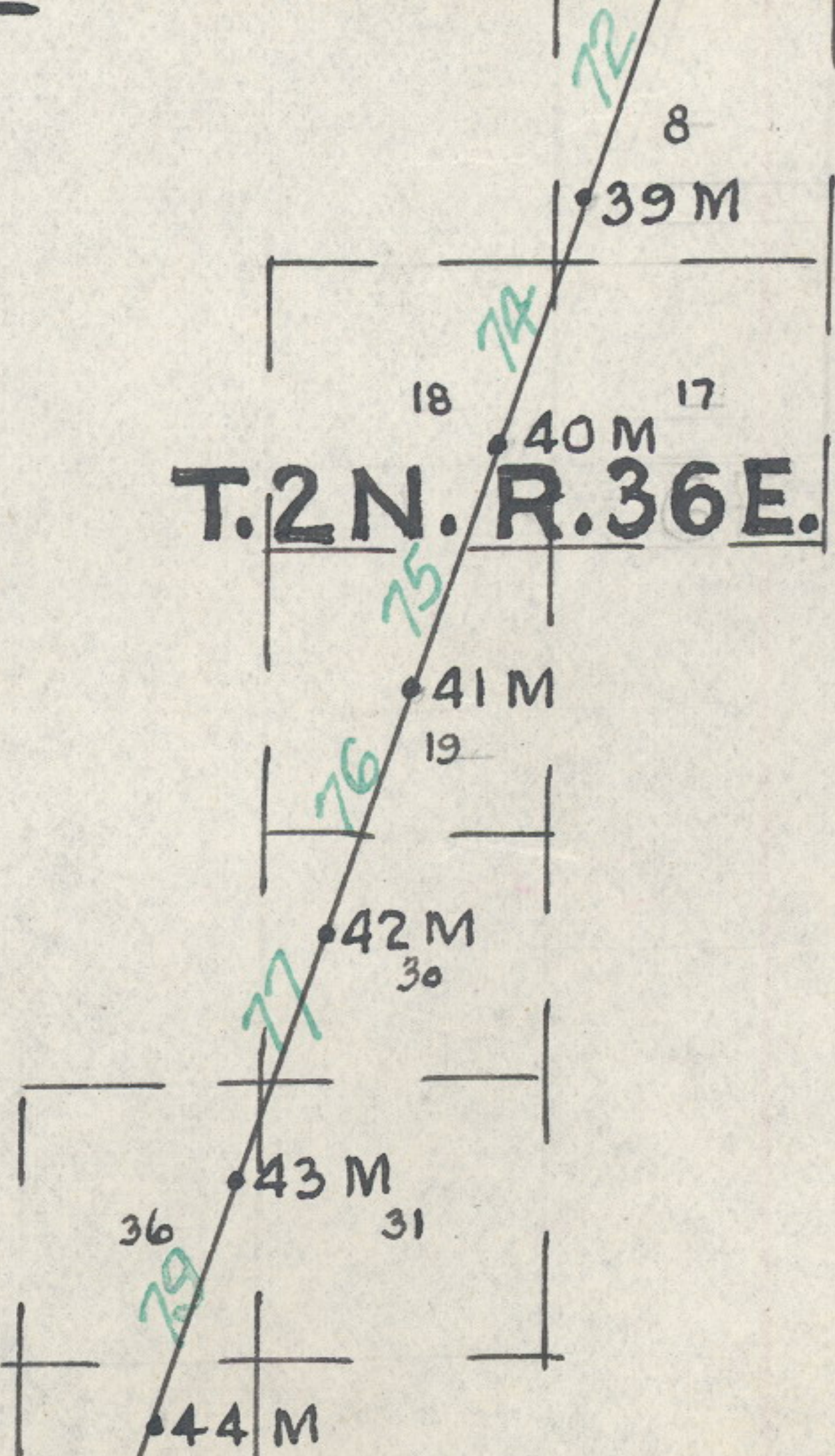
T.1 N. R. 34 E.



T.3 N. R. 36 E.

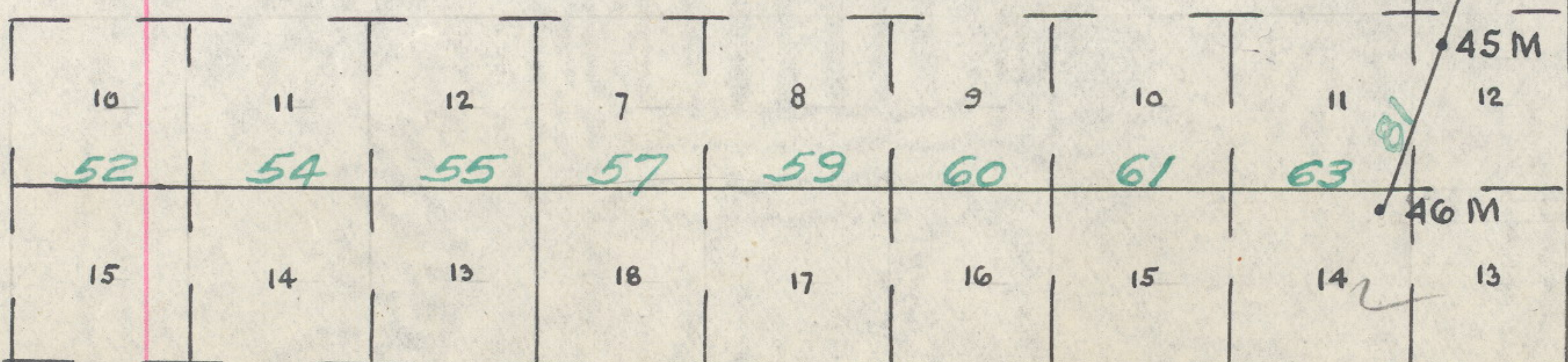


T.1 S. R. 33 E.



T.2 N. R. 36 E.

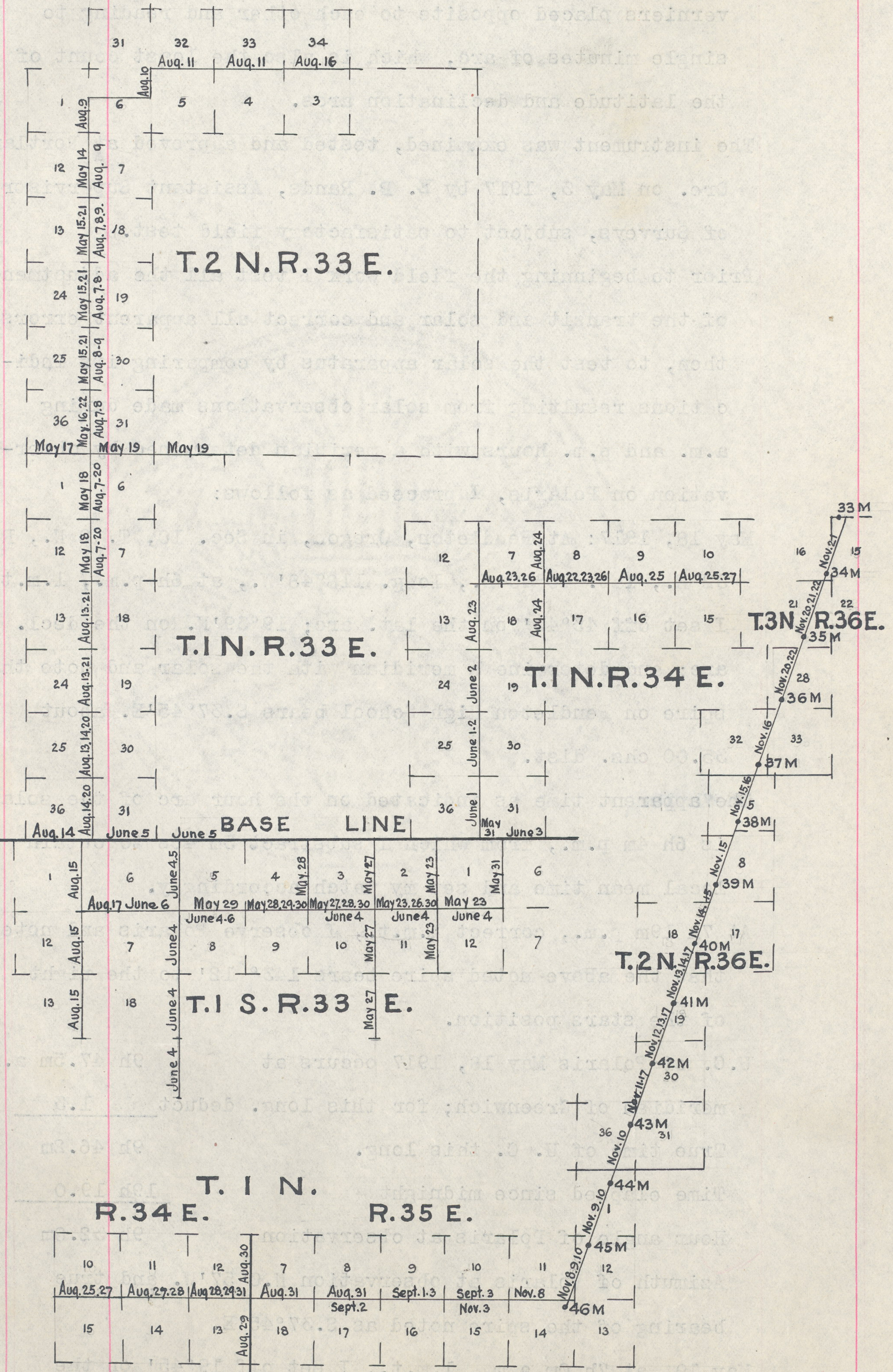
T.1 N. R. 34 E. R. 35 E.



Compd 813
651 UAC

Boundaries of Diminished Umatilla Indian Reservation

DATE, DIAGRAM
Resurveys for the Year 1917



652

Resurvey North Bdy. Diminished Umatilla Indian Reservation through T. 2 N., R. 33 E.

Chains

Survey commenced May 14, 1917 and executed with a Government owned Young and Sons transit No. 8585 with Smiths solar attachment. The instrument is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the latitude and declination arcs.

The instrument was examined, tested and approved at Portland, Ore. on May 3, 1917 by E. P. Rands, Assistant Supervisor of Surveys, subject to satisfactory field test.

Prior to beginning the field work I test all the adjustments of the transit and solar and correct all apparent errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observation on Polaris, I proceed as follows:

May 18, 1917: At Pendleton, Oregon, in Sec. 10, T. 2 N., R. 32 E., lat. 45°40'N., long. 118°48'W., at 6h p.m., l.m.t., I set off 45°40' on the lat. arc; 19°39'N. on the decl. arc; and determine a meridian with the solar and note that spire on Pendleton High School bears S.37°45'E. about 35.00 chs. dist.

The apparent time as indicated on the hour arc of the solar is 6h 4m p.m., from which I subtract 3m 46s to obtain local mean time and set my watch accordingly.

At 7h 19m p.m., correct l.m.t., I observe Polaris and note that the above noted spire bears 143° 12' to the right of the stars position.

U.C. of Polaris May 18, 1917 occurs at	9h 47.5m a.m. at
meridian of Greenwich; for this long. deduct	<u>1.3</u>
True time of U. C. this long.	9h 46.2m
Time elapsed since midnight	<u>19h 19.0</u>
Hour angle of Polaris at observation	9h 32.8m
Azimuth of Polaris at observation N.0°57'W. and true bearing of the spire noted as S.37°45'E.	

May 19, at 7h 0m a.m., l.m.t., I set off 19°45' on the

Resurvey North Bdy. Diminished Umatilla Indian Reservation
through T. 2 N., R. 33 E.

Chains

decl. arc; $45^{\circ}40'$ on the lat. arc; and determine a meridian with the solar. This gives the bearing of the above noted spire as $S.37^{\circ}44'30''E.$, disagreeing but $30''$ from the true meridian; I, therefore, conclude that the adjustments of the instrument are satisfactory.

Magnetic variation ranges ordinarily from 19° to 24° , frequently far exceeding these limits, the average variation being about $21^{\circ}30' E.$

The instrument was maintained in accurate adjustment throughout this survey by frequent tests on a meridian established by Polaris observation.

Solar observations for meridian and tests for latitude were duly made each working day.

Measurements were made with a steel tape, 5.00 chs. in length. Over uneven ground the degree of slope was determined with an Abney clinometer and the necessary reduction duly applied to obtain the true horizontal distances.

At many of the cors., hereinafter described, none of the customary accessories were constructed, for the reason that, owing to the nature and condition of the soil, pits are of no value whatever and stone for mounds could have been obtained only at great expense. Wherever practicable the cors. are duly witnessed.

Throughout this survey it was found that subdivisional lines, closing on township and range lines are generally unreliable; hence such lines have sometimes been ignored in the reconstruction of such corners on these boundaries.

I commence at the NW. cor. of the Diminished Umatilla Indian Reservation; thence East retracing the center line of Sec. 6; at 35.95 chs. find no trace of the center $\frac{1}{4}$ cor., set temp. cor., and at 76.00 chs. fall 20 lks. N. of the $\frac{1}{4}$ cor. bet. secs. 5 and 6.

From the $\frac{1}{4}$ cor. bet. secs. 5 and 6, $N.1^{\circ}25'E.$ retracing bet. secs. 5 and 6 and at 35.83 chs. intersect the closing cor. of secs. 5 and 6.

From the closing cor. of secs. 5 and 6, $S.89^{\circ}46'E.$ retracing the N. bdy. of sec. 5; at 3.10 chs. fall $\frac{1}{2}$ lk.

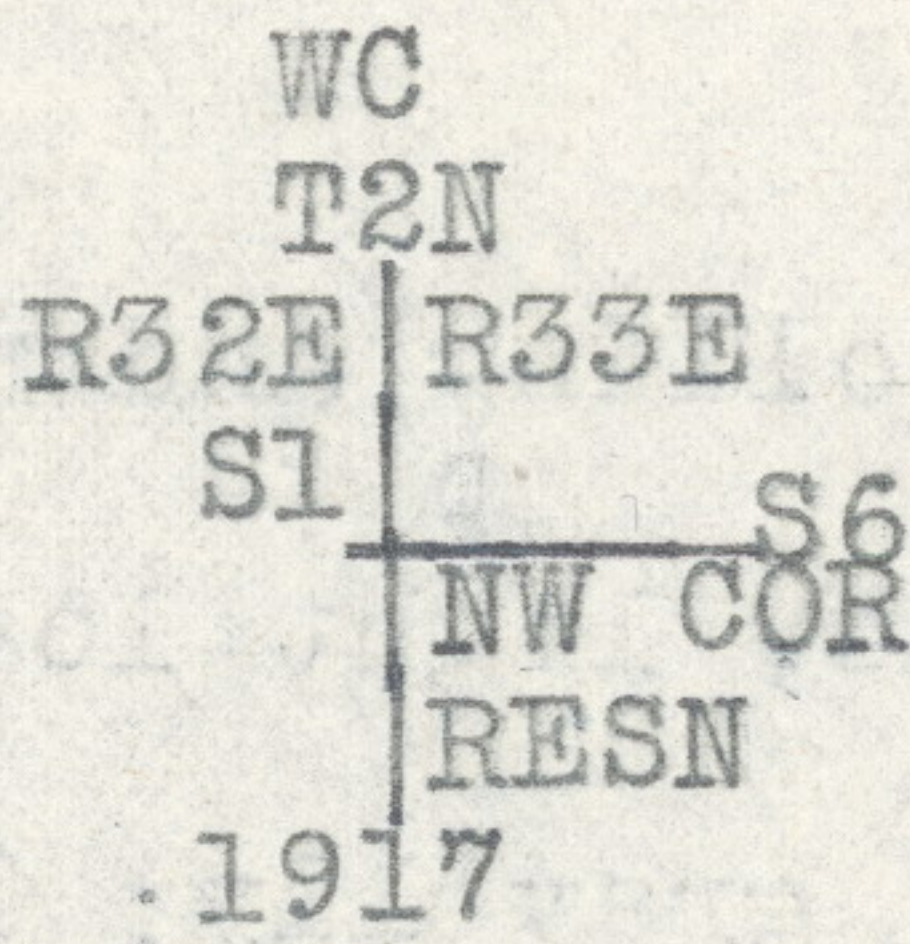
Resurvey North Bdy. Diminished Umatilla Indian Reservation
through T. 2 N., R. 33 E.

Chains

Reservation, which is a basalt stone, 12x10 ins., 2 ins. below the surface of the ground, marked as described by the surveyor general.

At a point 1 lk. S. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for witness cor. to the NW. cor. of Diminished Umatilla Indian Reservation, with brass cap marked



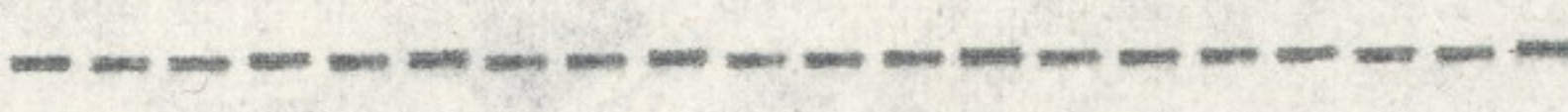
Land, rolling.

Soil, light loam, 1st rate.

No timber or undergrowth.

Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

From the NW. cor. of the Diminished Umatilla Indian Reservation, South retracing the line bet. secs. 1 and 6, making careful and systematic search for old cors. and at 84.28 chs. fall 48 lks. E. of the 1/4 cor. of sec. 12, T. 2 N., R. 32 E.



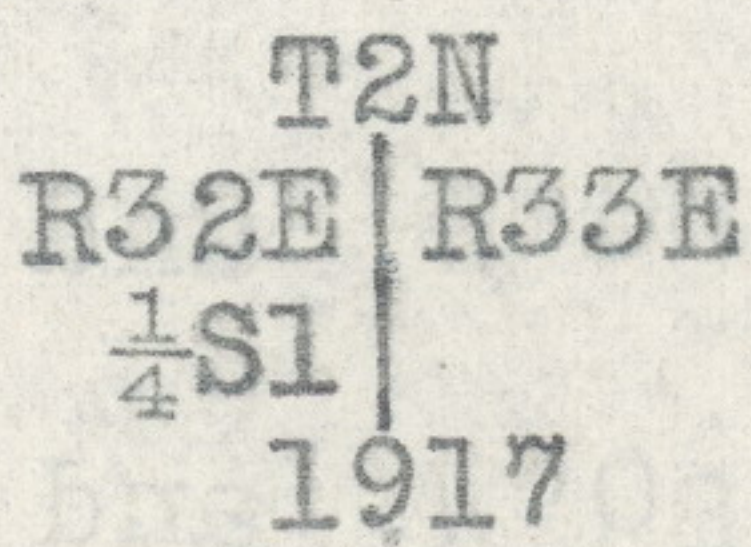
Returning to the NW. cor. of the Diminished Umatilla Indian Reservation

S.0°20'W., resurveying W. bdy. of reservation.

Over rolling land, through grain field.

3.77 Apportioned distance

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for 1/4 cor. of sec. 1, T. 2 N., R. 32 E. only, with brass cap marked



5.00 Leave grain field, bears W. and SE.; enter pasture land.

20.00 Descend S. slope 85 ft. to

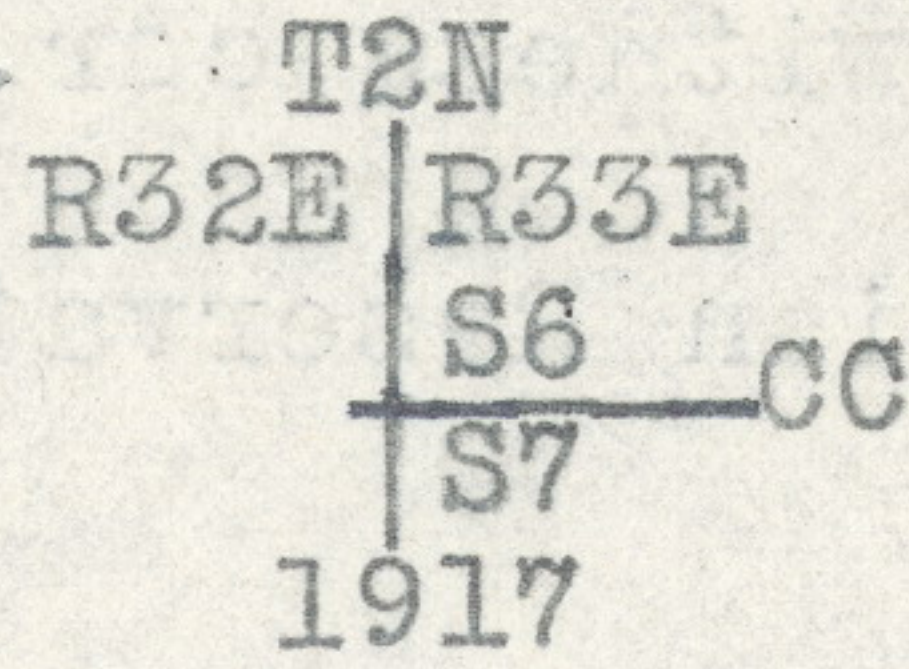
23.70 Fence, bears E. and W.; over bottom land.

33.68 Fence, bears E. and W.; across road.

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Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains
 34.24 Leave road, fence bears E. and W.; enter alfalfa field.
 40.25 Apportioned distance
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for closing cor. of secs. 6 and 7, with brass
 cap marked



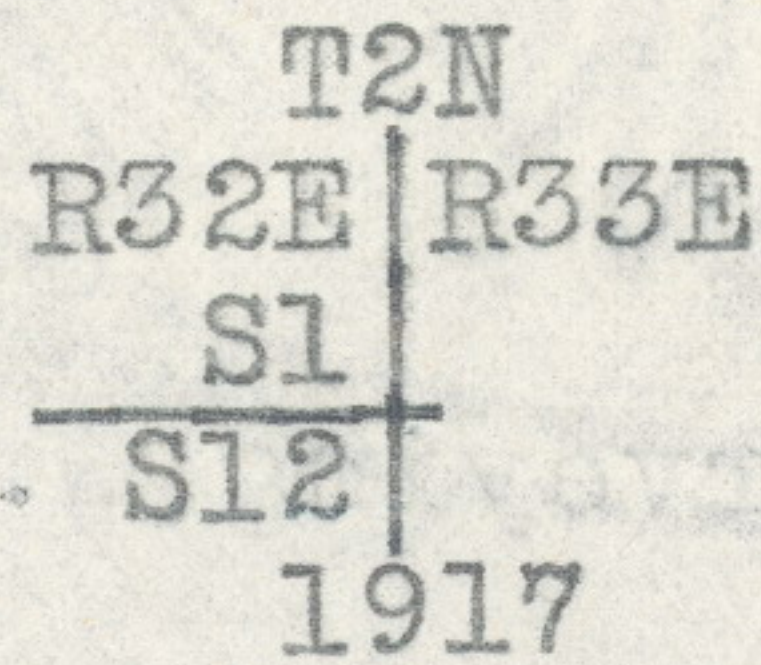
Land, level, rolling and mountainous.
 Soil, on upland, light loam; on steep slope rocky; on
 bottom land, gravelly; 1st, 3rd and 2nd rate.
 No timber or undergrowth.

S.0°20'W., resurveying W. bdy. of sec. 7.

Over bottom land.

3.72 Fence, bears E. and W., extends E. 30 lks. to cor., thence
 extends S.

3.77 Apportioned distance
 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 1 and 12, T. 2 N., R. 32 E.,
 with brass cap marked



12.00 Right bank of Umatilla River, 200 lks. wide, course W.

14.00 Enter brush and timber, bears E. and W.

22.00 Slough, 40 lks. wide, 5 ft. deep, course W.

23.00 Leave brush and timber; enter cultivated land, bears E.
 and W.

32.68 Fence, bears N.80°W. and S.80°E.; across road.

33.29 Fence, bears N.80°W. and S.80°E.; thence across railroad
 right-of-way.

33.83 Center of O.W.R.R. and N. Co. track, bears N.80°W. and
 S.80°E.

Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

34.57 Fence, bears N.80°W. and S.80°E.

Leave right-of-way; enter grain field; thence along E. side of fence.

40.10 Apportioned distance

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for 1/4 cor. of sec. 7 only, with brass cap marked

T2N
R32E | R33E
1/4S7
1917

Ascend 50 ft. to

44.03 The 1/4 cor. on E. bdy. of sec. 12, T. 2 N., R. 32 E., which is a basalt stone, 10x5x4 ins., 10 ins. in the ground; marked 1/4 on W. and D R on E. face, from which fences extend N., S. and W.

At a point 1/2 lk. S. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground; for witness cor. to the 1/4 sec. cor. of sec. 12, T. 2 N., R. 32 E. only, with brass cap marked

T2N
R32E | R33E
1/4S12
1917

Land, level and rolling.

Soil, fine sandy loam with rocky subsoil, 1st rate.

Timber, alder and cottonwood.

Undergrowth, willow and cottonwood.

From the 1/4 cor. of sec. 12

South, retracing the range line bet. Tps. 2 N., Rs. 32 and 33 E.; at 40.00 chs. no trace of the cor. of secs. 12 and 13, set temp. cor., and at 79.97 chs. fall 9 lks. E. of the 1/4 cor. on E. bdy. of sec. 13, which is a basalt stone, 12x8x4 ins., 18 ins. in the ground, marked 1/4 on W. face.

From this 1/4 sec. cor.

South, retracing the range line bet. Tps. 1 and 2 N., Rs. 32 and 33 E., making careful, exhaustive and systematic search for old cors. and setting temp. cors. at intervals of 40.00 chs., and at 316.835 chs. fall 20 lks. E. of the 1/4 cor. on W. bdy. of sec. 6, T. 1 N., R. 33 E., and at 320.00 chs. fall 25 lks. E. of the 1/4 cor. of sec. 1, T. 1 N., R. 32 E., which is a basalt stone, 15x12x8 ins., 18 ins. in the ground, marked 1/4 on W. face.

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Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

From the $\frac{1}{4}$ cor. bet. secs. 1 and 36, Tps. 1 and 2 N., R. 32 E., which is a basalt stone, below surface of the ground in road, marked and witnessed as described by the surveyor general.

East, on a blank line, for distance only; at 39.85 chs. intersect N. and S. line at the temp. cor. of Tps. 1 and 2 N., Rs. 32 and 33 E.; at 117.00 chs. a basalt stone was found lying on the surface of the ground at one side of line, marked with 5 notches on one edge, clockwise from this 6 notches then one notch; at 157.64 chs. fall 20 lks. S. of the $\frac{1}{4}$ cor. on S. bdy. of sec. 32, T. 2 N., R. 33 E., which is a basalt stone, 14x12x10 ins., 14 ins. in the ground, not marked, on S. side of which is a decayed post; and at 197.96 chs. I find the cor. of secs. 32 and 33 on S. bdy. of T. 2 N., R. 33 E., which is a basalt stone, 12x8x6 ins., 14 ins. in the ground, marked with 4 notches on E. and 1 notch on W. edges, at center of cross roads; against the N. side of this cor. I set an iron mold board, 16x12x $\frac{1}{2}$ ins., 16 ins. in the ground, and place four stones, each about 12x9x8 ins., around the cor. below the surface of the ground.

Note:

The field notes of the West bdy. of reservation by Currin and Noland give the aggregate distance from the $\frac{1}{4}$ cor. of sec. 13, T. 2 N., R. 32 E. to the $\frac{1}{4}$ cor. of sec. 1, T. 1 N., R. 32 E. as 315.37 chs. I find the distance to be 320.00 chs.

I also note that a lane at the cor. of Tps. 1 and 2 N., Rs. 32 and 33 E. and several fences, apparently following property lines, all indicate that the original cors. were accurately placed at intervals of 40.00 chs.

To place the cors. at distances proportional to those reported by Currin and Noland would not agree with existing evidences and be far at variance with the original conditions. These facts were placed before the office of the Surveyor General for Oregon, which office, by letter of May 22, 1917, instructed me:

"To ignore both sets of notes and place such corners equidistant, as this method of procedure will agree with practically all property lines as they exist upon the ground, which should not be disturbed."

therefore, I restore cors. for R. 32 E. at distances proportional to the original Moody survey; the cors. for R. 33 E., established by Currin and Noland, are then proportioned between the reestablished Moody cors.

I return to the $\frac{1}{4}$ cor. bet. secs. 1 and 36, Tps. 1 and 2 N., R. 32 E. and run

East, on a true line, bet. secs. 1 and 36.

Over rolling land, in road.

40.18 Apportioned distance

Set an iron post, 3 ft. long, 2 ins. diam., 32 ins. in the ground; for cor. of Tps. 1 and 2 N., Rs. 32 and 33 E., with brass cap marked

T2N
R32E | R33E
S36 | S31

S1 | S6
T1N
1917

Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

Fill a hole, 2½ ft. diam., 1½ ft. deep, around the post, with stones.

Fence cors. bear N.69°45'E., 45 lks. dist.; S.32°30'E., 30 lks. dist.; S.64°15'W., 58 lks. dist.; N.56°W., 63 lks. dist.

This cor. is at the intersection of roads extending E. and W. and N. and S.

Land, rolling.

Soil, compact clay loam, 1st rate.

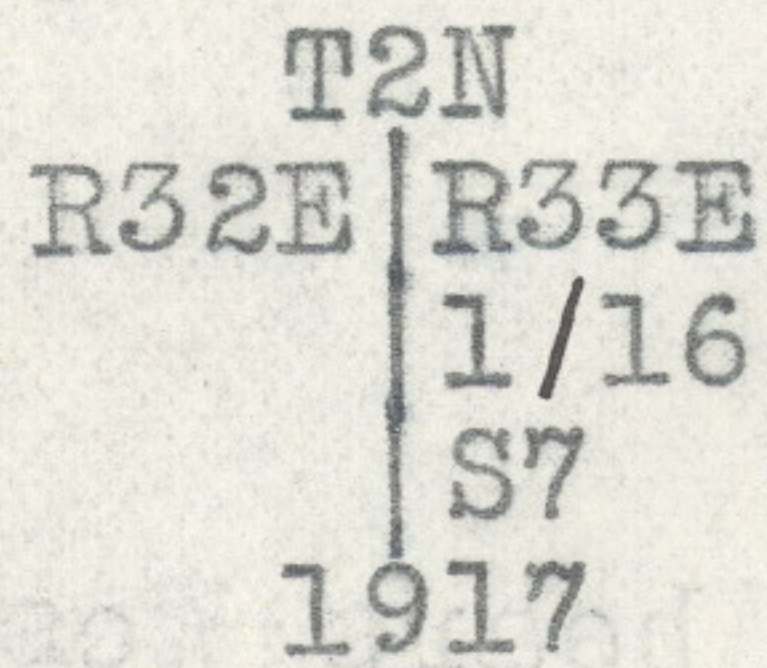
No timber or undergrowth.

From the ¼ cor. on E. bdy. of sec. 12, T. 2 N., R. 32 E. S.0°04'W., resurveying the E. bdy. of sec. 12.

Over heavily rolling land, in grain field.

An irregular fence follows near the line.

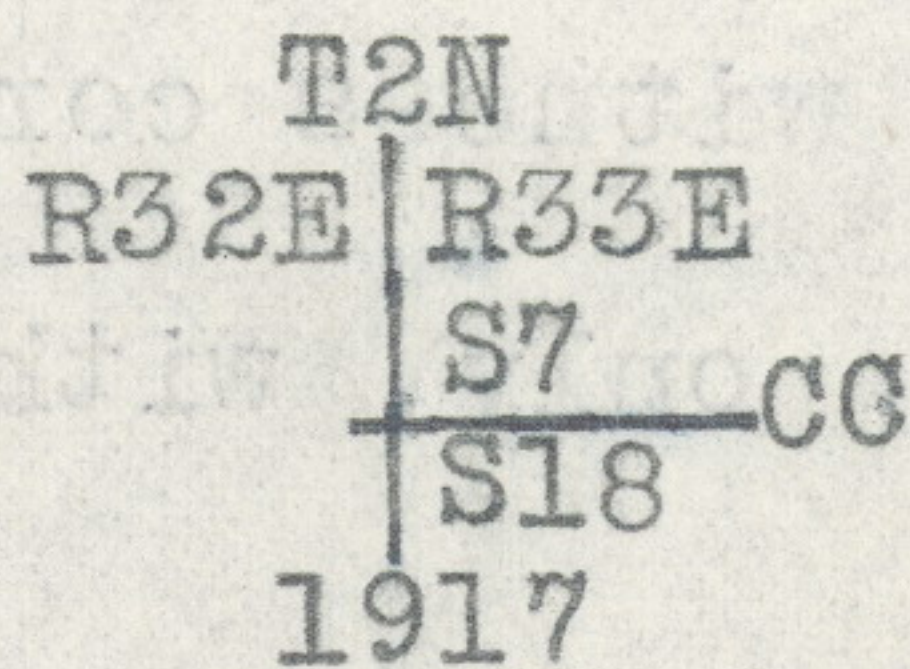
16.09½ Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for 1/16 cor. of sec. 7, with brass cap marked



N. and S. fence bears West, 14 lks. dist.

35.53 Enter road, bears E. and S.

36.03½ Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 7 and 18, T. 2 N., R. 33 E., with brass cap marked



West side of lane bears West, 33 lks. dist.

East side of lane bears East, 42 lks. dist.

South side of lane bears South, 10 lks. dist.

North side of lane bears North, 53 lks. dist.

39.98½ Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 12 and 13, T. 2 N., R. 32 E., with brass cap marked

Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

T2N
R32E | R33E
S12
S13
1917

East side of lane bears East, 28 lks. dist.

An irregular road enters from the West.

Land, rolling and level.

Soil, light loam with rocky subsoil, 1st rate.

Timber, alder and cottonwood, in river bottom only.

Undergrowth, willow and cottonwood, in river bottom only.

S.0°04'W., resurveying the E. bdy. of sec. 13, T. 2 N., R.
32 E.

Over rolling land, in county road.

5.00 Leave road, bears N. and S.30°W.

16.53 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for 1/16 cor. of sec. 18, with brass cap marked

T2N
R32E | R33E
1/16
S18
1917

N. and S. fence bears West, 22 lks. dist.

26.40 Enter road, bears NW. and S.

34.00 North fork of Tutuilla Creek, 20 lks. wide, course NW.

37.23 The 1/4 cor. of sec. 18 falls in road.

1.00 ch. E. of cor. point, on right bank of Tutuilla Creek

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for witness cor. to the 1/4 cor. of sec. 18, T. 2
N., R. 33 E. only, with brass cap marked

WC | 1/4
S18
1917

39.98 1/2 Intersect the 1/4 cor. of sec. 13, previously described.

45 1/2 lks W. of this cor.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
ground, for witness cor. to the 1/4 cor. of sec. 13 only,
with brass cap marked

1/4 |
S13 | WC
1917

Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

Thence

S.0°04'E., continuing my measurements

57.24 Point for 1/16 sec. cor. falls in county road.

45½ lks.E.of cor. point

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/16 cor. of sec. 18, with brass cap marked

T2N
R32E | R33E
WC | 1/16
S18
1917

77.26 Point for closing cor. of secs. 18 and 19 falls in road.

At a point 45½ lks.E.of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to closing cor. of secs. 18 and 19, T. 2 N.; R. 33 E., with brass cap marked

T2N
R32E | R33E
WC | S18
S19 — CC
1917

From true cor. point east side of lane bears East, 30 lks. and west side of lane bears West, 50 lks. dist.

79.99 Point for cor. of secs. 13 and 24 falls in road.

At a point 45½ lks.E.of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the cor. of secs. 13 and ~~18~~ ²⁴,

T. 2 N., R. 32 E., with brass cap marked

T2N
R32E | R33E
S13 | WC
S24 |
1917

Land, rolling.

Soil, light loam, 1st rate.

No timber or undergrowth; land cultivated on both sides.

From true point for cor. of secs. 13 and 24
S.0°04'E., resurveying the E. bdy. of sec. 24.

Over rolling land in county road.

17.57 Point for 1/16 cor. falls in road.

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Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

At a point $45\frac{1}{2}$ lks.E. of true cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to 1/16 cor. of sec. 19, with brass cap marked

T2N
R32E | R33E
WC | 1/16
S19
1917

37.94 Point for $\frac{1}{4}$ cor. of sec. 19 falls in road.

At a point $45\frac{1}{2}$ lks.E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the $\frac{1}{4}$ cor. of Sec. 19, T. 2 N., R. 33 E., with brass cap marked

T2N
R32E | R33E
WC | $\frac{1}{4}$ S19
1917

40.00 Point for $\frac{1}{4}$ cor. of sec. 24 falls in county road.

At a point $45\frac{1}{2}$ lks.W. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to $\frac{1}{4}$ cor. of sec. 24, T. 2 N., R. 32 E., with brass cap marked

T2N
R32E | R33E
 $\frac{1}{4}$ S24 | WC
1917

58.06 Point for 1/16 sec. cor. falls in road.

At a point $45\frac{1}{2}$ lks.E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/16 cor. of sec. 19, with brass cap marked

T2N
R32E | R33E
WC | 1/16
S19
1917

78.15 Point for closing cor. of secs. 19 and 30 falls in county road.

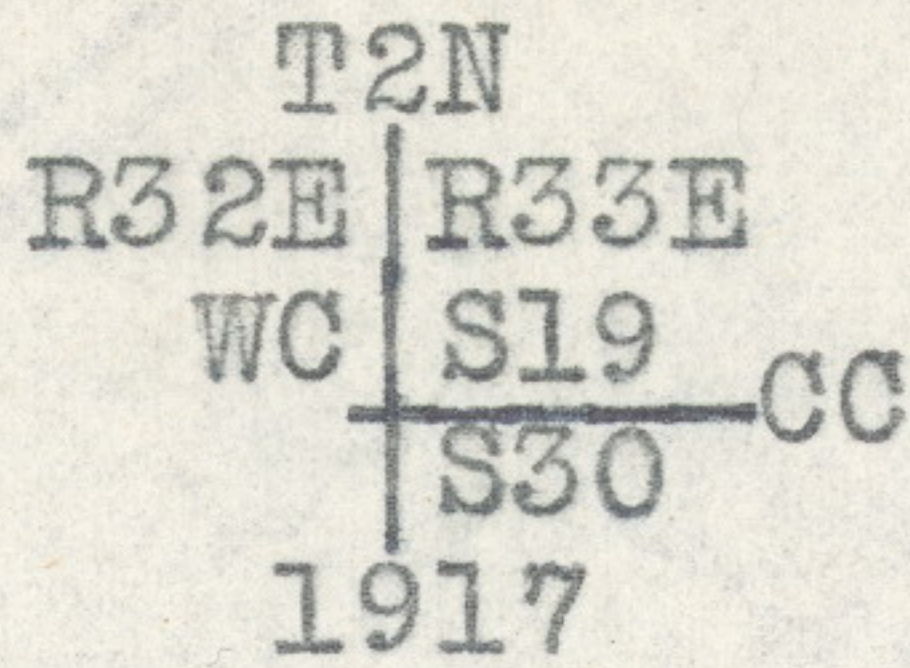
At a point $45\frac{1}{2}$ lks.E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the closing cor. of secs.

Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

19 and 30, T. 2 N., R. 33 E., with brass cap marked

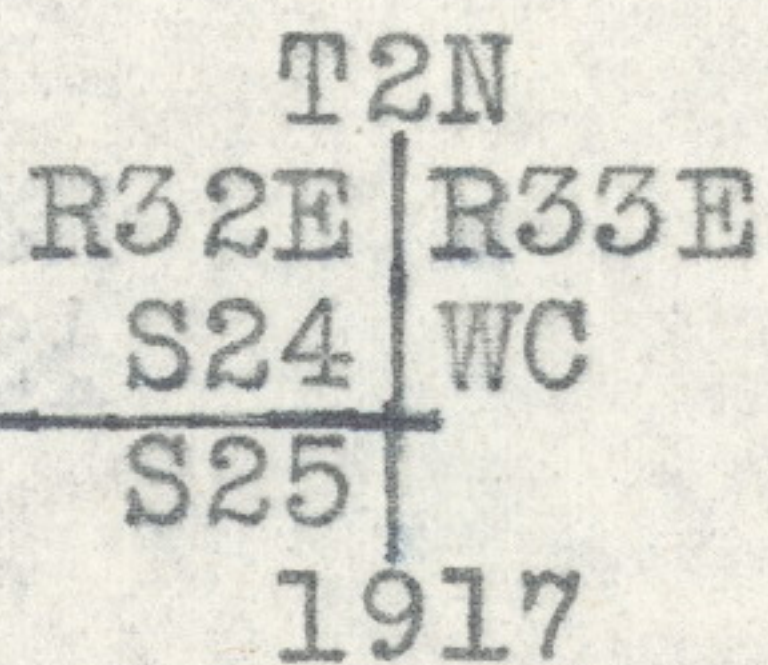


This cor. is 10 lks. S. of the center of a lane extending E.

80.00 Point for cor. of secs. 24 and 25 falls in county road.

At a point 45 1/2 lks. W. of cor. . . .

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the cor. of secs. 24 and 25, T. 2 N., R. 32 E., with brass cap marked



West side of present road bears West, 14 lks. dist.; east side bears East, 60 lks. dist.

Land, rolling.

Soil, light loam, 1st. rate.

No timber or undergrowth; land cultivated on both sides.

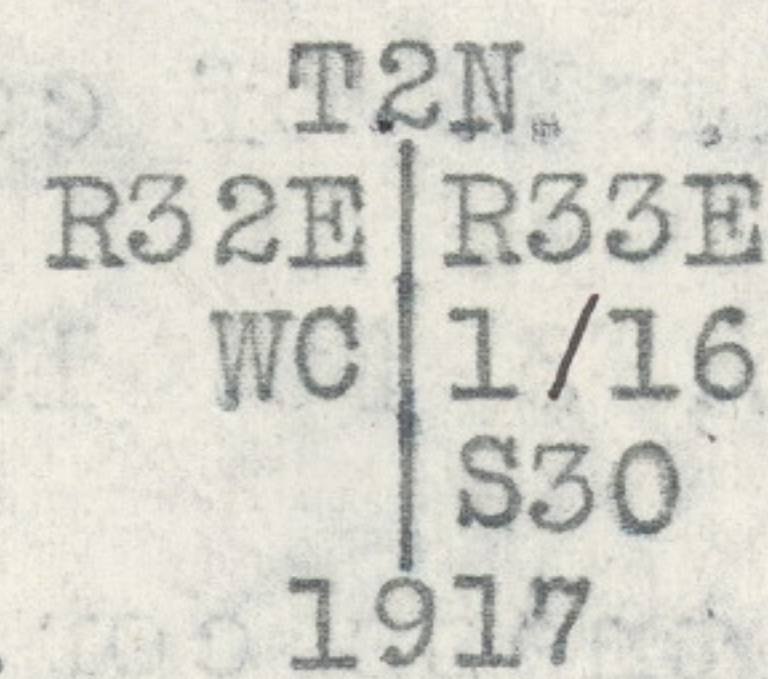
S.0°04'E., resurveying E. bdy. of sec. 25.

Over rolling land, in county road between cultivated fields.

18.40 Point for 1/16 sec. cor. falls in road.

At a point 45 1/2 lks. E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/16 cor. of sec. 30, with brass cap marked



East side of lane bears East from the true cor. point, 30 lks. dist. and west side bears West, 53 lks. dist.

38.71 Point for 1/4 cor. of sec. 30 falls in road.

At a point 45 1/2 lks. E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/4 cor. of sec. 30, T. 2

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Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

N., R. 33 E., with brass cap marked

	T2N	
R32E		R33E
WC		$\frac{1}{4}$
		S30
		1917

39.89 Center of a lane extending W., 28 lks. wide.

40.00 Point for $\frac{1}{4}$ cor. of sec. 25 falls in road.

At a point $45\frac{1}{2}$ lks. W. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the $\frac{1}{4}$ cor. of sec. 25, T. 2 N., R. 32 E., with brass cap marked

	T2N	
R32E		R33E
$\frac{1}{4}$ S25		WC
		1917

From true cor. point East side of lane bears East, 81 lks. and West side bears West, 5 lks. dist.

58.96 Point for 1/16 cor. falls in road.

At a point $45\frac{1}{2}$ lks. E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/16 cor. of sec. 30, with brass cap marked

	T2N	
R32E		R33E
WC		1/16
		S30
		1917

From true cor. point East side of present road bears East, 51 lks. dist.; West side bears West, 37 lks. dist.

79.31 Point for cor. of secs. 30 and 31 falls in road.

At a point $45\frac{1}{2}$ lks. E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the closing cor. of secs. 30 and 31, T. 2 N., R. 33 E., with brass cap marked

	T2N	
R32E		R33E
WC		S30
		S31
		CC
		1917

79.57 North side of lane, 83 lks. wide, extending E.

80.00 Point for cor. of secs. 25 and 36 falls in road.

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Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

At a point 45 1/2 lks. W. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the cor. of secs. 25 and 36, with brass cap marked

T2N
R32E | R33E
S25 | WC
S36 |
1917

From true cor. East side of present road bears East, 70 lks. dist.; West side bears West, 20 lks. dist.

Land, rolling.

Soil, light loam, 1st rate.

No timber or undergrowth, land cultivated on both sides.

From true point for cor. of secs. 25 and 36
S.0°04'E., resurveying E. bdy. of sec. 36.

Over rolling land, in county road.

19.65 Point for 1/16 sec. cor. falls in road.

At a point 45 1/2 lks. E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/16 cor. of sec. 31, with brass cap marked

T2N
R32E | R33E
WC | 1/16
S31 |
1917

From true cor. point East side of present road bears East, 63 lks. dist.; West side bears West, 17 lks. dist.

40.00 Point for 1/4 cor. of secs. 31 and 36 falls in road.

At a point 45 1/2 lks. W. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/4 cor. of secs. 31 and 36, with brass cap marked

T2N
R32E | R33E
1/4 | 1/4 WC
S36 | S31
1917

Several chs. from this cor. I found the original cor. stone lying beside the road.

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Resurvey West Bdy. Diminished Umatilla Indian Reservation
West Bdy. of T. 2 N., R. 33 E.

Chains

From the true cor. point East side of present road bears East, 55 lks. dist.; West side bears West, 23 lks. dist. A fence extending W. from the road intersects 3 lks. N. of this cor.

48.10 Brook, 3 lks. wide, course W.

60.03 Point for 1/16 sec. cor. falls in road.

At a point 45 1/2 lks. E. of cor.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to the 1/16 sec. cor., with brass cap marked

T2N
R32E | R33E
WC | 1/16
S31
1917

80.00 The cor. of Tps. 1 and 2 N., Rs. 32 and 33 E., heretofore described.

Land, rolling.

Soil, light loam, 1st rate.

No timber or undergrowth, land cultivated on both sides.

East Bdy. of T. 1 N., R. 32 E.

From the 1/4 cor. on E. bdy. of Sec. 1, T. 1 N., R. 32 E., South retracing the E. bdy. of sec. 1; at 16.85 chs. find no trace of the 1/16 cor., set temp. cor.; at 36.97 chs. fall 18 lks. E. of the closing cor. of secs. 6 and 7, T. 1 N., R. 33 E., and at 40.00 chs. find no trace of the cor. of secs. 1 and 12, set temp. cor.

From the temp. cor. of secs. 1 and 12 South retracing the E. bdy. of sec. 12; at 40.00 chs. no trace of the 1/4 sec. cor.; at 77.78 chs. fall 41 lks. E. of the closing cor. of secs. 7 and 18, T. 1 N., R. 33 E., and at 79.94 chs. fall 41 lks. E. of the cor. of secs. 12 and 13.

South retracing the E. bdy. of sec. 13; at 39.82 chs. fall 1 lk. E. of the 1/4 sec. cor.

From the 1/4 cor. of sec. 13, South retracing the range line, making careful search for old cors.; at 38.48 chs. fall 1 lk. W. of the closing cor. of secs. 18 and 19, T. 1 N., R. 33 E.; at 219.18 chs. fall 4 lks. W. of N 1/16 cor. on W. bdy. of sec. 31, T. 1 N., R. 33 E., and at 280.14 chs. fall 16 lks. W. of the standard cor. of Tps. 1 N., Rs. 32 and 33 E.

From the standard cor. of Tps. 1 N., Rs. 32 and 33 E. East retracing the base line, making careful search for

Resurvey East Bdy. Diminished Umatilla Indian Reservation

Chains

Soil, shallow light loam over basalt, 3rd rate.

Timber, small growth of fir and yellow pine.

Undergrowth, willow, ninebark, arrowwood and cherry.

November 22, 1917.

L. E. Wilkes
U. S. Surveyor

For Final Certificate of U. S. Surveyor see Book "E"
of this Group.

APPROVAL

Office of U. S. Surveyor General,
Portland, Oregon, August 26, 1918.

The foregoing field notes of the Resurvey of the East, South, West and western three miles of the North Boundary of the Diminished Umatilla Indian Reservation, Oregon, executed by L. E. Wilkes, U. S. Surveyor, under his special instructions dated February 20, 1917, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward A. Worth
U. S. Surveyor General