

# FIELD NOTES

OF THE SURVEY OF THE

EAST BOUNDARY

SOUTH BOUNDARY

WEST BOUNDARY

AND

SUBDIVISION LINES OF

FRACTIONAL TOWNSHIP 4½ NORTH, RANGE 23 EAST

Of the *Gila and Salt River Base and Meridian,*

In the State of *ARIZONA*  
*All within the Fort Apache Indian Reservation.*

EXECUTED BY

*William E. Hiester*

*U.S. Surveyor*

*In the capacity of U. S. Surveyor, under Special Instructions dated October 16, 1930, issued by the District Cadastral Engineer to govern surveys included in Group No. 165 Arizona, which were approved by the Commissioner of the General Land Office, March 26, 1931, and Assignment Instructions dated March 31, 1931*

Survey commenced *May 19*, 1931

Survey completed *June 17*, 1931

3933

3933

# INDEX DIAGRAM.

Township \_\_\_\_\_, Range \_\_\_\_\_

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18	17	16	15	14	13
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Book "B"

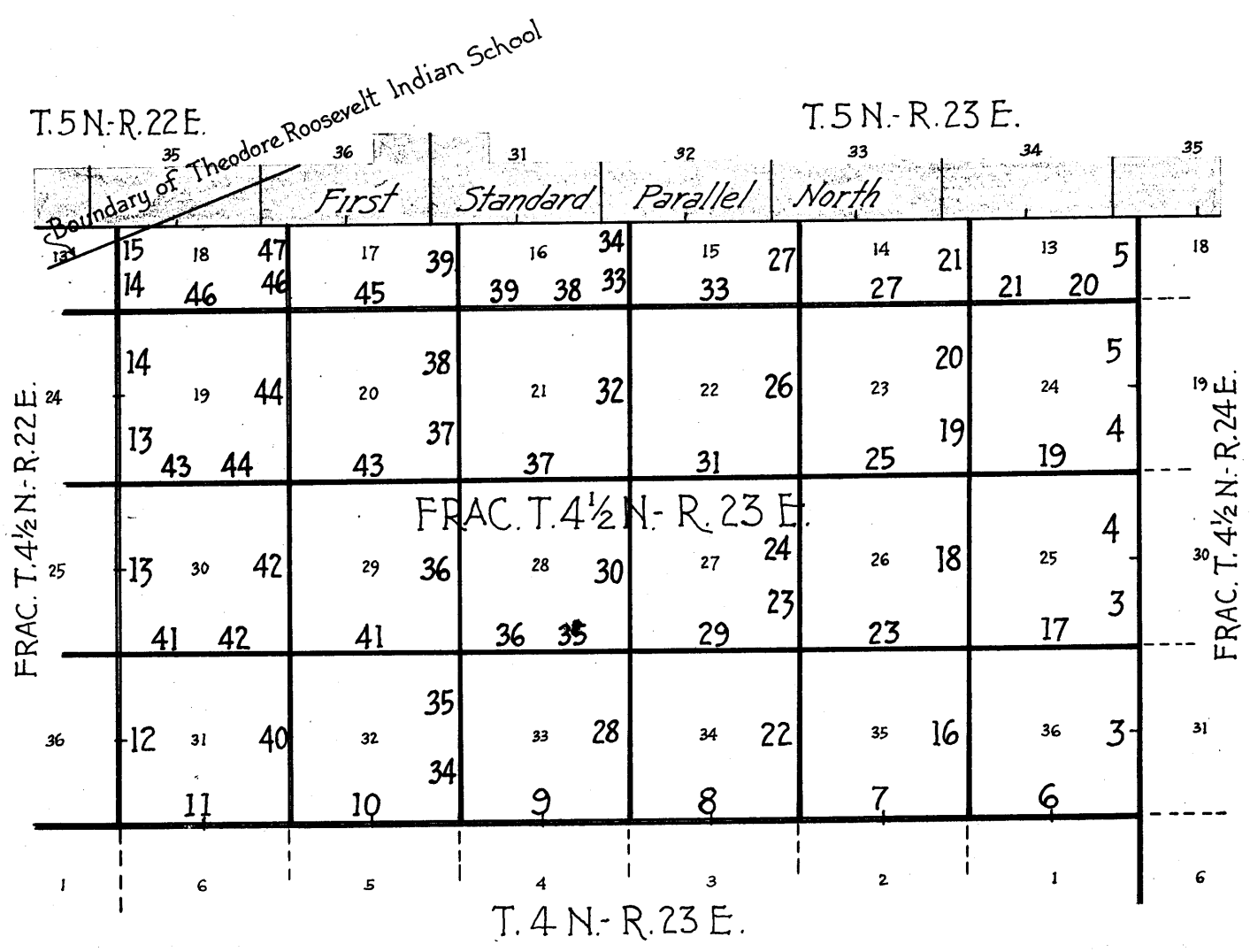
Group 165 Arizona

Frac. Township 4 1/2 North, Range 23 East

in the Fort Apache Indian Reservation

INDEX DIAGRAM

BOOK 3933



————— Surveyed under this group.

————— Accepted, surveyed lines.

- - - - - Unsurveyed.

▒ Areas surveyed as per accepted plats on file.

Book "B"

Group 165 Arizona

Frac. Township 4 $\frac{1}{2}$  North, Range 23 East

DATE DIAGRAM

(1931)

BOOK 3933

*Boundary*  
*First of Standard Parallel North.*  
*Surveyed in 1929.*

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

\_\_\_\_\_  
*Surveyed by Wm. E. Hiester, U.S. Surv., under this group,  
on dates (1931) shown thereon. Notes herein.*

\_\_\_\_\_  
*Accepted Surveys.*

EAST BOUNDARY OF T.4 1/2 N., R.23 E.

Chains.

Survey commenced May 19, 1931, and executed with Buff and Buff transit No. 19423, with Smith solar attachment. The horizontal limb is provided with two verniers placed opposite to each other and reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

For preliminary test, see final test of the instrument on a meridian determined by observation on Polaris, in the field notes of exteriors of T.4 N., R.23 E., in book "A" of this group.

Beginning at the cor. of Tps. 4 and 4 1/2 N., R. 23 E., described in book "A" of this group,

North, along the E. bdy. of sec. 36.

Over rolling and mountainous land, through heavy timber and scattering undergrowth.

31.98 Wire fence, bears E. and W.

35.20 Wash, 10 lks. wide, course SW.; asc. 6 ft. over gradual SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 36 only, with brass cap marked.

1/4 S 36

1931

from which

A yellow pine, 12 ins. diam., bears S. 42 1/4° W., 14 lks. dist., mkd. 1/4 S 36 B T.

A yellow pine, 24 ins. diam., bears N. 15° W., 82 lks. dist., mkd. 1/4 S 36 B T.

Ascend 10.9 ft. over S. slope.

70.00 Spur, slopes E.; desc. 9 ft. over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 25 and 36, only with brass cap marked

T 4 1/2 N

R 23 E

S 25

S 36

1931

from which

A white oak, 24 ins. diam., bears S. 65 1/2° W., 49 lks. dist., mkd. T 4 1/2 N R 23 E S 36 B T.

A yellow pine, 12 ins. diam., bears N. 53 1/2° W., 112 lks. dist., mkd. T 4 1/2 N R 23 E S 25 B T.

Land, rolling and mountainous.

Soil, rocky; 4th rate.

Timber, pine, fir, cedar, oak and juniper; undergrowth, scrub oak, mahogany, manzanita, white thorn maple and willow.

North, along the E. bdy. of sec. 25.

Over mountainous land, through heavy timber and scattering undergrowth.

Descend 11 ft. over NE. slope.

5.00 Ascend 103 ft. over SE. slope.

EAST BOUNDARY OF T.4 1/2 N., R.23 E.

Chains

25.00 Ridge, bears NE. and SW.; desc. 28 ft. over NW. slope.  
 38.30 Head of gulch, course SW.; asc. 16 ft. over SE. slope.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 25 only, with brass cap marked.

1/4 S 25

1931

A yellow pine, 6 ins. diam., bears S. 27 1/2° W., 78 lks. dist., mkd. 1/4 S 25 B T.  
 A white oak, 15 ins. diam., bears N. 41 1/2° W., 71 lks. dist., mkd. 1/4 S 25 B T.

Ascend 96 ft. over SE. slope.

65.00 Top of ridge, bears NE. and SW.; desc. 22 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 24 and 25 only, with brass cap marked.

T 4 1/2 N  
 R 23 E  
 S 24  
 S 25

1931

A yellow pine, 12 ins. diam., bears S. 73 1/2° W., 75 lks. dist., mkd. T 4 1/2 N R 23 E S 25 B T.  
 A juniper, 30 ins. diam., bears N. 32° W., 75 lks. dist., mkd. T 4 1/2 N R 23 E S 24 B T.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, pine, fir, cedar, oak, pinon, and juniper; undergrowth, scrub oak, manzanita, mahogany, white thorn and willow.

North, along the E. bdy. of sec. 24.

Over mountainous land, through heavy timber and scattering undergrowth.

10.00 Descend 130 ft. over NW. slope.  
 21.03 Draw, course W.; asc. 12 ft. over S. slope.  
 23.40 Spur, slopes W.; desc. 36 ft. over NW. slope.  
 25.95 Gulch, course SW.; asc. 72 ft. over SE. slope.  
 32.80 Point of spur, slopes E.; desc. 6 ft. over N. slope.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 24 only, with brass cap marked.

1/4 S 24

1931

Chains  
 43.30  
 44.90  
 47.10  
 48.40  
 52.90  
 53.60  
 80.00

from which

A yellow pine, 24 ins. diam., bears S. 41 1/4° W., 57 lks. dist., mkd. 1/4 S 24 B T.

A white oak, 6 ins. diam., bears N. 22 1/2° W., 20 lks. dist., mkd. 1/4 S 24 B T.

Ascend 304 ft. over SE. slope.

Wash, 10 lks. wide, course S. 10° E.

Same wash, course SW.

Same wash, course SE.

Same wash, course SW.; continue ascending along W. slope.

Same wash, course SE.

Same wash, course SW.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13 and 24 only, with brass cap marked.

T 4 1/2 N  
 R 23 E  
 S 13  
 S 24  
 1931

from which

A juniper, 8 ins. diam., bears S. 27 1/4° W., 86 lks. dist.; mkd. T 4 1/2 N R 23 E S 24 B T.

A yellow pine, 20 ins. diam., bears N. 80 1/2° W., 88 lks. dist., mkd. T 4 1/2 N R 23 E S 13 B T.

Land, mountainous.  
 Soil, rocky; 4th rate.  
 Timber, pine; fir, cedar, oak, pinon and juniper; undergrowth, manzanita white thorn, willow, mahogany and grass.

North, along the E. bdy. of sec. 13.

Over mountainous land, through heavy timber and scattering undergrowth.

Ascend 162 ft. over S. slope.

7.30 Old log corral on line.

14.70 Top of spur, slopes SW.; desc. 246 ft. over NW. slope.

29.60 Continue descending over N. slope.

38.60 Intersect the First Standard Parallel North.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of Tps. 4 1/2 N., Rs. 23 and 24 E., with brass cap marked.

T 5 N R 23 E  
 S 33  
 S 13 | S 18  
 R 23 E | R 24 E  
 T 4 1/2 N  
 1931

EAST BOUNDARY OF T. 4 1/2 N., R. 23 E.

Chains

from which

A yellow pine, 6 ins. diam., bears S. 54 1/2° E., 81 lks. dist., mkd. T 4 1/2 N R 24 E S 18 C C B T.

A yellow pine, 16 ins. diam., bears S. 31 1/2° W., 207 lks. dist., mkd. T 4 1/2 N R 23 E S 13 C C B T.

From point of intersection the standard cor. of secs. 34 and 35, T. 5 N., R. 23 E., bears West, 10.95 chs. dist., an iron post, 2 ins. diam., 8 ins. above ground, mkd. and witnessed as described in the official record.

From the same point the standard 1/4 sec. cor. S. bdy. of sec. 35 T. 5 N., R. 23 E., bears East, 29.05 chs. dist., an iron post, 1 in. diam., 8 ins. above ground, mkd. and witnessed as described in the official record.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pine, fir, cedar, oak, pinon and juniper; undergrowth, scrub oak, manzanita, mahogany, white thorn and willow.

SOUTH BOUNDARY OF T. 4 1/2 N., R. 23 E.

Beginning at the cor. of Tps. 4 and 4 1/2 N., R. 23 E., described in Book "A" of this group; thence, West, bet. secs. 1 and 36.

Over rolling land, through heavy timber and scattering undergrowth.

Descend 17 ft. over NW. slope.

13.50 Wire fence, bears N. and S.; asc. 17 ft.

28.70 Wash, 10 lks. wide, course N. 20° W.; asc. 16 ft.

32.00 Low spur, slopes N. desc. 11 ft. over NW. slope.

35.00 Ravine, course N.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a mound of stone to top, for 1/4 sec. cor. with brass cap marked.

S 36

S 1

1931

from which

A yellow pine, 12 ins. diam., bears S. 38 1/2° E., 66 lks. dist., mkd. 1/4 S 1 B T.

A yellow pine, 14 ins. diam., bears N. 35 1/2° W., 31 lks. dist., mkd. 1/4 S 36 B T.

59.30 Descend 70 ft. over SW. slope.

64.00 Gulch, course NW.; asc. 23 ft. over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, with brass cap marked.

T 4 1/2 N R 23 E

S 35 | S 36

S 2 | S 1

T 4 N

1931

from which



SOUTH BOUNDARY OF T 4 1/2 N., R. 23 E.

BOOK 8938

Chains

- A juniper, 10 ins. diam., bears N. 30 1/2° E., 70 lks. dist., mkd. T 4 1/2 N R 23 E S 36 B T.
- A juniper, 30 ins. diam., bears S. 38° E., 85 lks. dist., mkd. T 4 1/2 N R 23 E S 1 B T.
- A yellow pine, 12 ins. diam., bears S. 33 1/2° W., 56 lks. dist., mkd. T 4 N R 23 E S 2 B T.
- A white oak, 8 ins. diam., bears N. 34 1/2° W., 105 lks. dist., mkd. T 4 1/2 N R 23 E S 35 B T.

Land, rolling.  
 Soil, clay and rocky; 2nd and 4th rates.  
 Timber, pine, fir, cedar, pinon and oak; undergrowth, scrub oak, and bear grass.

West, bet. secs. 2 and 35.

Over mountainous land, through scattering timber and undergrowth.

Ascend 10 ft. over gradual E. slope.

4.50 Top of rimrocks, 40 ft. high, bears NE. and SW.; desc. 341 ft. over NW. slope.

13.04 Wash, 15 lks. wide, course NW.; asc. 21 ft. over NE. slope.

18.00 Spur, slopes N.; desc. 41 ft. over NW. slope.

21.00 Point of spur, slopes N.

22.60 Wash, 15 lks. wide, course N.; asc. 264 ft. over NE. slope.

28.00 Grave with small fence, about 50 ft. sq. on line.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. with brass cap marked.

S 35  
 1/4 ———  
 S 2  
 1931

from which

A white oak, 4 ins. diam., bears N. 53 1/2° E., 15 lks. dist., mkd. 1/4 S 35 B T.

A white oak, 10 ins. diam., bears S. 48 1/2° W., 30 lks. dist., mkd. 1/4 S 2 B T.

41.20 Spur, slopes N.; desc. 34 ft. over NW. slope.

43.40 Trail, bears N. and S.

44.20 Gulch, course N.; asc. 106 ft. over NE. slope.

48.60 Top of rim rocks, 20 ft. high, bears SE. and NW.; continue over rolling mesa land, through scattering timber.

49.30 Wire fence, bears NE. and SW.

66.05 Telephone line, bears N. 20° E., and S. 20° W.

67.05 Road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for

SOUTH BOUNDARY OF T. 4 1/2 N., R. 23 E.

Chains: cor. of secs. 2, 3, 34 and 35; with brass cap marked.

T 4 1/2 N R 23 E

S 34 | S 35

S 3 | S 2

T 4 N

1931

from which

A juniper, 10 ins. diam., bears N. 19 1/2° E., 127 lks. dist., mkd. T 4 1/2 N R 23 E S 35 B T.

A juniper, 24 ins. diam., bears S. 39 1/2° E., 285 lks. dist., mkd. T 4 N R 23 E S 2 B T.

A juniper, 24 ins. diam., bears S. 61° W., 164 lks. dist., mkd. T 4 N R 23 E S 3 B T.

A juniper, 18 ins. diam., bears N. 32 1/2° W., 276 lks. dist., mkd. T 4 1/2 N R 23 E S 34 B T.

Land, mountainous and rolling.

Soil, rocky; 4th rate.

Timber, scattering pine, fir, juniper, oak and pinon; undergrowth, scrub oak, mahogany and grass.

West, bet. secs. 3 and 34.

Over rolling mesa land, through scattering timber and undergrowth.

Ascend 28 ft. over gradual E. slope.

32.00 Leave mesa land; desc. 101 ft. over rolling NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor. with brass cap marked.

S 34

S 3

1931

from which

A pinon, 10 ins. diam., bears N. 13 1/2° E., 58 lks. dist., mkd. 1/4 S 34 B T.

A juniper, 8 ins. diam., bears S. 32 1/2° W., 08 lks. dist., mkd. 1/4 S 3 B T.

44.40 Draw, course NW.; asc. 7 ft. over gradual E. slope.

47.00 Spur, slopes NW.; desc. 31 ft. over SW. slope.

50.90 Draw, course NW.; asc. 7 ft. over NE. slope.

54.00 Low spur, slopes N.; desc. 39 ft. over NW. slope.

63.80 Dry wash, 20 lks. wide, course SW.; asc. 20 ft. over SE. slope.

68.00 Spur, slopes S.; desc. 31 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap marked.

Chains

T 4 1/2 N R 23 E  
 S 33 | S 34  
 S 4 | S 3  
 T 4 N  
 1931

from which

A yellow pine, 18 ins. diam., bears N. 18 1/4° E., 85 lks. dist., mkd. T 4 1/2 N R 23 E S 34 B T.

A yellow pine, 24 ins. diam., bears S. 15 1/4° E., 69 lks. dist., mkd. T 4 N R 23 E S 3 B T.

A yellow pine, 14 ins. diam., bears S. 7 1/4° W., 185 lks. dist., mkd. T 4 N R 23 E S 4 B T.

A yellow pine, 14 ins. diam., bears N. 24 1/2° W., 150 lks. dist.; mkd. T 4 1/2 N R 23 E S 33 B T.

Land, rolling.  
Soil, sandy and clay; 2 nd rates.  
Timber, pine, fir, juniper and oak; undergrowth scrub oak and grass.

West, bet. secs. 4 and 33.

Over rolling land, through scattering timber and undergrowth.

Descend 6 ft. over SW. slope.

- 3.50 Wash, 20 lks. wide, course S.; asc. 40 ft. over SE. slope.
- 13.00 Spur, slopes S.; desc. 57 ft. over SW. slope.
- 20.60 Wash, 20 lks. wide, course S.; asc. 23 ft. over E. slope.
- 37.80 Trail, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. with brass cap marked

S 33  
 1/4 ———  
 S 4  
 1931

from which

A pinon, 10 ins. diam., bears S. 67° W., 68 lks. dist., mkd. 1/4 S 4 B T.

A pinon, 5 ins. diam., bears N. 75° W., 31 lks. dist., mkd. 1/4 S 33 B T.

- 41.00 Spur, slopes S.; desc. 46 ft. over W. slope.
- 54.00 Old road, bears N. and S, in draw, course S.
- 56.98 Fence, bears N. and S.; asc. 72 ft. over E. slope.
- 69.00 Low ridge, bears NE. and SW.; desc. 22 ft. over NW. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, with brass cap marked.

T 4 1/2 N R 23 E  
 S 32 | S 33  
 S 5 | S 4  
 T 4 N  
 1931

SOUTH BOUNDARY OF T.4½ N., R.23 E.

Chains.

from which

A pinon, 10 ins. diam., bears N.4½°E., 46 lks. dist.,  
mkd. T 4½ N R 23 E S 33 B T.

A white oak, 8 ins. diam., bears S.10°E., 38 lks. dist.,  
mkd. T 4 N R 23 E S 4 B T.

A pinon, 14 ins. diam., bears S.19½°W., 40 lks. dist.,  
mkd T 4 N R 23 E S 5 B T.

A white oak, 12 ins. diam., bears N.73½°W., 39 lks. dist.,  
mkd. T 4½ N R 23 E S 32 B T.

Land, rolling.

Soil, clay and rocky; 3rd and 4th rates.

Timber, scattering pine, juniper and oak; undergrowth scattering scrub oak and grass.

West, bet. secs. 5 and 32.

Over rolling land, through scattering timber and undergrowth.

Descend 63 ft. over NW. slope.

11.50 Wash, 20 lks. wide, course S.; asc. 33 ft. over E. slope.

11.78 Wire fence, bears N. and S.

30.00 Low ridge, bears N. and S.; desc. 6 ft. over W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked

S 32  
¼  
S 5  
1931

from which

A yellow pine, 30 ins. diam., bears S.82°W., 500 lks. dist.,  
mkd. ¼ S 5 B T.

A juniper, 30 ins. diam., bears N.46°W., 321 lks. dist.,  
mkd. ¼ S 32 B T

Descend 12 ft. over W. slope.

55.00 Ascend 33 ft. over E. slope.

78.10 Fence, bears N. and S.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap marked

T 4½ N R 23 E  
S 31 | S 32  
S 6 | S 5  
T 4 N  
1931

from which

A white oak, 10 ins. diam., bears N.36½°E., 174 lks. dist.,  
mkd. T 4½ N R 23 E S 32 B T.

A yellow pine, 18 ins. diam., bears S.51¾°E., 113 lks. dist.,  
mkd. T 4 N R 23 E S 5 B T.

Chains. A yellow pine, 24 ins. diam., bears S. 17 $\frac{1}{2}$ ° W., 325 lks. dist.,  
 mkd. T 4 N R 23 E S 6 B T.

A juniper, 14 ins. diam., bears N. 44° W., 314 lks. dist.,  
 mkd. T 4 $\frac{1}{2}$  N R 23 E S 31 B T.

Land, rolling.  
 Soil, sandy loam and stony; 2nd and 3rd rates.  
 Timber, pine, cedar and oak; undergrowth, scattering scrub-oak and grass.

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West, bet. secs. 6 and 31.

Over rolling land, through scattering timber and undergrowth.

Ascend 11 ft. over gradual E. slope.

20.00 Descend 66 ft. over gradual W. slope.

28.00 Wash, 30 lks. wide, course SW.; asc. 66 ft. over SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on solid rock, mkd. X, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap marked

S 31  
 $\frac{1}{4}$  ———  
 S 6  
 1931

from which

A juniper, 10 ins. diam., bears S. 65 $\frac{3}{4}$ ° W., 30 lks. dist.,  
 mkd.  $\frac{1}{4}$  S 6 B T.

A juniper, 8 ins. diam., bears N. 52 $\frac{3}{4}$ ° W., 43 lks. dist.,  
 mkd.  $\frac{1}{4}$  S 31 B T.

Ascend 11 ft. over SE. slope.

45.00 Spur, slopes SW.; desc. 63 ft. over NW. slope.

67.53 Wash, 20 lks. wide, course SE.; asc. 45 ft. over NE. slope.

78.07 Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of Tps 4 and 4 $\frac{1}{2}$  N., Rs. 22 and 23 E., with brass cap marked.

T 4 $\frac{1}{2}$  N  
 R 22 E R 23 E  
 S 36 | S 31  
 S 1 | S 6  
 T 4 N  
 1931

from which

A juniper, 14 ins. diam., bears N. 70° E., 139 lks. dist.,  
 mkd. T 4 $\frac{1}{2}$  N R 23 E S 31 B T.

A juniper, 36 ins. diam., bears S. 7 $\frac{1}{4}$ ° E., 87 lks. dist.,  
 mkd. T 4 N R 23 E S 6 B T.

A yellow pine, 12 ins. diam., bears S. 44° W., 93 lks. dist.,  
 mkd. T 4 N R 22 E S 1 B T.

A yellow pine, 30 ins. diam., bears N. 10° W., 198 lks. dist.,  
 mkd. T 4 $\frac{1}{2}$  N R 22 E S 36 B T.

SOUTH BOUNDARY OF T.4 $\frac{1}{2}$  N., R.23 E.

Chains Land, rolling.  
Soil, sandy loam and stony; 2nd and 3rd rates.  
Timber, scattering pine, juniper and oak; undergrowth, scrub oak and grass.

WEST BOUNDARY OF T.4 $\frac{1}{2}$  N., R.23 E.

Beginning at the cor. of Tps. 4 and 4 $\frac{1}{2}$  N., Rs. 22 and 23 E.,  
hereinbefore described; thence,  
North, bet. secs. 31 and 36.

Over rolling land, through scattering timber and under-  
growth.

Descend 21 ft. over NW. slope.

3.70 Wash, 20 lks. wide, course SE.; asc. 27 ft. over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
ground for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$

S36 | S31

1931

from which

A juniper, 30 ins. diam., bears S. 86 $\frac{1}{2}$ ° E., 122 lks. dist.,  
mkd.  $\frac{1}{4}$  S 31 B T.

A juniper, 10 ins. diam., bears N. 61 $\frac{1}{4}$ ° W., 06 lks. dist.,  
mkd.  $\frac{1}{4}$  S 36 B T.

Ascend 72 ft. over SW. slope.

46.60 Wire fence, bears N. 70° E., and S. 70° W.

53.00 Top of ascent.; desc. 75. ft. over NW. slope.

60.13 Wash, 30 lks. wide, course SW.; asc. 90. ft. over SE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., on solid rock,  
mkd. X, and in a mound of stone to top, for cor. of secs.  
25, 30, 31 and 36, with brass cap marked.

T4 $\frac{1}{2}$ N

R22E R23E

S25 | S30

S36 | S31

1931

from which

A yellow pine, 24 ins. diam., bears N. 17 $\frac{1}{2}$ ° E., 130 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 30 B T.

A juniper, 30 ins. diam., bears S. 24 $\frac{1}{2}$ ° E., 23 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 31 B T.

A juniper, 12 ins. diam., bears S. 24 $\frac{3}{4}$ ° W., 67 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 22 E S 36 B T.

A juniper 24 ins. diam., bears N. 77° W., 141 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 22 E S 25 B T.

Land, rolling.  
Soil, clay and stony; 2nd and 3rd rates.  
Timber, scattering pine, juniper and oak; undergrowth, scrub oak and grass.

Chains North, bet. secs. 25 and 30.

Over rolling land, through scattering timber and undergrowth.

Ascend 51 ft. over SE. slope.

.5.00 Leave timber; continue over prairie land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. with brass cap marked.

1/4  
S25 | S30  
1931

from which

A juniper, 14 ins. diam., bears S. 65 3/4° E., 378 lks. dist., mkd. 1/4 S 30 B T.

A juniper, 10 ins. diam., bears S. 83° W., 318 lks. dist., mkd. 1/4 S 25 B T.

Descend 6 ft. over N. slope.

53.60 Head of draw, course SW.; asc. 61 ft. over SE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, with brass cap marked.

T 4 1/2 N  
R22E R23E  
S24 | S19  
S25 | S30  
1931.

from which

A juniper, 12 ins. diam., bears N. 52° E., 118 lks. dist., mkd. T 4 1/2 N R 23 E S 19 B T.

A juniper, 30 ins. diam., bears S. 56° E., 68 lks. dist., mkd. T 4 1/2 N R 23 E S 30 B T.

No other trees available.

Land, rolling.  
Soil, clay and rocky; 2nd and 4th rates.  
Timber, scattering juniper, oak and pine; undergrowth scrub oak and grass.

North, bet. secs. 19 and 24.

Over rolling land, through scattering timber and undergrowth.

11.00 Top of rimrocks, 20 ft. high, bears NE. and SW.; leave mesa, desc. 402 ft. over NW. slope.

13.36 Top of cliff, 30 ft. high.

36.80 Trail, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. with brass cap marked.

Chains.

¼  
S24 | S19  
1931

from which

A pinon, 6 ins. diam., bears S. 24¼° E., 37 lks. dist., mkd.  
¼ S 19 B T.

A yellow pine, 10 ins. diam., bears N. 16½° W., 49 lks. dist.,  
mkd. ¼ S 24 B T.

Descend 283 ft. over N. slope.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
ground, for cor. of secs. 13, 18, 19 and 24, with brass cap  
marked.

T4½N  
R22E R23E  
S13 | S18  
S24 | S19  
1931

from which

A cedar, 6 ins. diam., bears N. 55½° E., 57 lks. dist., mkd.  
T 4½ N R 23 E S 18 B T.

A pinon, 3 ins. diam., bears S. 52½° E., 34 lks. dist., mkd.  
B T only.

A cedar, 6 ins. diam., bears S. 13° W., 42 lks. dist., mkd.  
T 4½ N R 22 E S 24 B T.

A cedar, 4 ins. diam., bears N. 57° W., 12 lks. dist., mkd.  
T 4½ N R 22 E S 13 B T.

Land, mountainous.

Soil, clay and rocky; 2nd and 4th rates.

Timber, pine, juniper, oak and pinon; undergrowth, scrub oak,  
maple, manzanita and bear grass.

North, bet. secs. 13 and 18.

Over mountainous land, through heavy timber and scattering  
undergrowth.

Descend 364 ft. over NW. slope.

32.97

Intersect the boundary of the Theodore Roosevelt Indian  
School.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
ground, for closing cor. of secs. 13 and 18, with brass  
cap marked.

T R I S  
S13 | S18  
S13 | S18  
R22E | R23E  
T4½N  
CC  
1931

from which



Chains. A cedar, 6 ins. diam., bears S. 23° E., 40 lks. dist.,  
mkd. T 4½ N R 23 E S 18 C C B T.

A cedar, 8 ins. diam., bears S. 50° W., 25 lks. dist.,  
mkd. T 4½ N R 22 E S 13 C C B T.

From point of intersection the 9½ mile mon. of the T.R.L.S. bdy bears N. 68° 34' E., 4.68 chs. dist., an iron post, 1 in. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.

additionally mark this mon. to read.

9½ M  
TRIS

T4½ NR23E  
S 18  
1929-31

From the same point the 9 mile mon. of the T.R.L.S. bdy bears S. 68° 34' W., 35.32 chs. dist., an iron post, 2 ins. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.

additionally mark this mon. to read.

9 M  
TRIS

T4½ NR22E  
S 13  
1929-31

Continue descending over NW. slope.

38.64 Intersect the First Standard Parallel North.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for closing cor. of Tps. 4½ N., Rs. 22 and 23 E., with brass cap marked

T5 NR22 E.  
S 35  
S13 | S18  
R22 E | R23 E  
T4½ N  
CC  
1931

from which

A pinon, 14 ins. diam., bears S. 51½° E., 46 lks. dist.,  
mkd. T 4½ N R 23 E S 18 C C B T.

A pinon, 6 ins. diam., bears S. 18¾° W., 46 lks. dist.,  
mkd. T 4½ N R 22 E S 13 C C B T.

From point of intersection the closing cor. of sec. 35, T. 5 N., R. 22 E., on the T.R.L.S. bdy bears East, 14.37 chs. dist., an iron post, 2 ins. diam., 8 ins. above ground, mkd. and witnessed as described in the official record.

additionally mark this cor. to read.

T5 N  
R22 E  
TRIS / C S35  
C S18  
T4½ NR23 E  
1929-31

from the same point the standard cor. of secs. 34 and 35, T. 5 N., R. 22 E., bears West, 13.71 chs. dist., an iron post,

Chains	<p>2 ins.diam., 14 ins.above ground, mkd. and witnessed as described in the official record.</p> <p>Land, mountainous. Soil, rocky; 3rd rate. Timber, pine, cedar, pinon and oak; undergrowth, scrub oak, willow, manzanita, maple and laurel.</p>						
SUBDIVISIONS OF T.4½ N., R.23 E.							
<p>Commence the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., hereinbefore described; Thence, N.0°1'W., bet. secs. 35 and 36.</p> <p>Over mountainous land, through scattering timber and dense undergrowth.</p>							
3.48	Top of rim rock, 20 ft. high, bears E. and W.; desc. 370 ft. over NW. slope.						
7.00	Ravine, course NW.						
28.30	Seven Mile Creek, 20 lks. wide, course W.; asc. 298 ft. over brushy S. slope.						
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked.						
<p>¼</p> <table style="margin: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S35</td> <td style="padding: 0 5px;">S36</td> </tr> <tr> <td colspan="2" style="text-align: center;">1931</td> </tr> </table> <p style="text-align: right;">from which</p> <p>A white oak, 8 ins. diam., bears N. 22½° W., 64 lks. dist., mkd. ¼ S 35 B T.</p> <p>A pinon, 4 ins. diam., bears N. 47¾/4° E., 84 lks. dist., mkd. ¼ S 36 B T.</p> <p>Ascend 197 ft. over SE. slope.</p>		S35	S36	1931			
S35	S36						
1931							
42.40	Top of rim rock 10 ft. high, bears E. and W.						
65.50	Top of rim of small canyon, bears NE. and SW.; desc. 286 ft. over NW. slope.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked.						
<p>T4½ N R23E</p> <table style="margin: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S26</td> <td style="padding: 0 5px;">S25</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S35</td> <td style="padding: 0 5px;">S36</td> </tr> <tr> <td colspan="2" style="text-align: center;">1931</td> </tr> </table> <p style="text-align: right;">from which</p> <p>A white oak, 10 ins. diam., bears N. 13¾/4° E., 80 lks. dist., mkd. T 4½ N R 23 E S 25 B T.</p> <p style="text-align: center;">S</p> <p>A white oak, 10 ins. diam., bears S. 28° E., 124 lks. dist., mkd. T 4½ N R 23 E S 36 B T.</p> <p>A yellow pine, 24 ins. diam., bears S. 14½° W., 123 lks. dist., mkd. T 4½ N R 23 E S 35 B T.</p> <p>A white oak, 8 ins. diam., bears N. 84½° W., 54 lks. dist., mkd. T 4½ N R 23 E S 26 B T.</p>		S26	S25	S35	S36	1931	
S26	S25						
S35	S36						
1931							

Chains	Land, mountainous. Soil, rocky; volcanic formation; 3rd rate. Timber, pine, juniper and pinon; undergrowth, scattering scrub oak, maple and grass.
	East, on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	Fall 19 lks. N. of the cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., hereinbefore described.
	Thence
	N. 89° 52' W., on a true line, bet. secs. 25 and 36.
	Over mountainous land, through heavy timber and scattering undergrowth.
	Ascend 17 ft. over E. slope.
7.50	Ridge, bears N. and S.; desc. 201 ft. over W. slope.
26.80	Wire fence, bears N. and S.
28.00	Bend in wash, 20 lks. wide, course NW. from NE.; asc. 20 ft. over NW. slope.
31.00	Point of spur, slopes N.; desc. 44 ft. over NW. slope.
33.40	Same wash, 20 lks. wide, course SW.; continue descending 72 ft. along S. slope.
40.10	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked.
	$\begin{array}{r} S\ 25 \\ \frac{1}{4} \text{---} \\ S\ 36 \\ 1931 \end{array}$
	from which
	A yellow pine, 36 ins. diam., bears S. 14 $\frac{1}{2}$ ° W., 48 lks. dist., mkd. $\frac{1}{4}$ S 36 B T.
	A yellow pine, 18 ins. diam., bears S. 77 $\frac{1}{4}$ ° W., 13 $\frac{1}{4}$ lks. dist. mkd. $\frac{1}{4}$ S 36 B T.
	Descend 37 ft. over SW. slope.
44.90	Wash, 20 lks. wide, course S.; asc. 290 ft. over NE. slope.
60.70	Continue over E. slope.
67.70	Rocky spur, slopes SW.; desc. 377 ft. over brushy NW. slope.
80.20	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, rocky; 4th rate. Timber, pine, fir, juniper and pinon; undergrowth, manzanita, maple, white thorn and grass.

Chains. N.0°1'W., bet. secs. 25 and 26.

Over mountainous land, through scattering timber and dense undergrowth.

Ascend 22 ft. along W. slope.

10.50 Descend 53 ft. over NW. slope.

16.30 Draw, course W.; asc. 146 ft. over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$   
S26 | S25  
1931

from which

A yellow pine, 6 ins. diam., bears N.2 $\frac{1}{4}$ °E., 112 lks. dist.,  
mkd.  $\frac{1}{4}$  S 25 B T.

A yellow pine, 18 ins. diam., bears N.41°W., 203 lks. dist.,  
mkd.  $\frac{1}{4}$  S 26 B T.

46.00 Descend 119 ft. over NW. slope.

47.00 S. end of cultivated field, bears about 4 chs. W.

78.30 Low spur, slopes W.

78.70 Wash, 30 lks. wide, course W.; asc. 33 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 23, 24, 25 and 26, with brass cap marked.

T4 $\frac{1}{2}$ N R23E  
S23 | S24  
S26 | S25  
1931

from which

A yellow pine, 24 ins. diam., bears N.24 $\frac{3}{4}$ °E., 53 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 24 B T.

A white oak, 4 ins. diam., bears S.75°E., 24 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 25 B T.

A white oak, 14 ins. diam., bears S.16 $\frac{1}{2}$ °W., 76 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 26 B T.

A white oak, 10 ins. diam., bears N.61 $\frac{1}{4}$ °W., 43 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 23 B T.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pine, fir, juniper and oak; undergrowth, scrub oak, manzanita, maple, white thorn and willow.

S.89°52'E., on a random line, bet. secs. 24 and 25.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.18 Fall 26 lks. S. of the cor. of secs. 19, 24, 25 and 30 on E. bdy. of Tp., hereinbefore described,

Thence

SUBDIVISIONS OF T.4<sup>1</sup>/<sub>2</sub> N., R.23 E.

BOOK 3038

Chains S.89°57'W., on a true line, bet.secs.24 and 25.  
 Over mountainous land, through heavy timber and dense undergrowth.  
 Descend .208 ft. over NW. slope.

19.12 Gulch, course SW.; asc. 143 ft. over SE. slope.

32.78 Spur, slopes SW.; desc. 100 ft. over NW. slope.

38.41 Ravine, course SW.; asc. 20 ft. over E. slope.

40.09 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <sup>1</sup>/<sub>4</sub> sec. cor. with brass cap marked

$$\begin{array}{r} S\ 24 \\ \frac{1}{4} \\ \hline S\ 25 \\ 1931 \end{array}$$

from which

A white oak, 12 ins. diam., bears N.48<sup>1</sup>/<sub>4</sub>°E., 26 lks. dist., mkd. <sup>1</sup>/<sub>4</sub> S 24 B T.

A white oak, 14 ins. diam., bears S.62<sup>1</sup>/<sub>4</sub>°W., 24 lks. dist., mkd. <sup>1</sup>/<sub>4</sub> S 25 B T.

Ascend 107 ft. over E. slope.

51.78 Ridge, bears N. and S.

52.38 Top of cliff, 100 ft. high, faces W.; desc. 523 ft. over W. slope.

80.18 The cor. of secs. 23, 24, 25 and 26.

---

Land, mountainous.  
 Soil, rocky; 4th rate.  
 Timber, pine, fir, oak, and juniper; undergrowth, manzanita, scrub oak and maple.

---

N.0°1'W., bet.secs.23 and 24.  
 Over mountainous land, through scattering timber and dense undergrowth.  
 Ascend 257 ft. over SW. slope.

21.00 Ridge, bears SE. and NW.; continue along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, to bedrock, and in a mound of stone to top, for <sup>1</sup>/<sub>4</sub> sec. cor. with brass cap marked.

$$\begin{array}{r} \frac{1}{4} \\ S23 \mid S24 \\ 1931 \end{array}$$

from which

A juniper, 5 ins. diam., bears S.18<sup>3</sup>/<sub>4</sub>°E., 49 lks. dist., mkd. <sup>1</sup>/<sub>4</sub> S 24 B T.

A white oak, 4 ins. diam.; bears S.76°W., 31 lks. dist., mkd. <sup>1</sup>/<sub>4</sub> S 23 B T.

Ascend over SW. slope.

Chsins.  
48.60 End of spur, slopes W.; desc. 218 ft. over NW. slope.  
65.70 Gulch, 10 lks. wide, course W.; asc. 133 ft. over S. slope.  
75.24 Spur, slopes W.; desc. 27 ft. over NW. slope.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 13, 14, 23 and 24, with brass cap marked

T 4 $\frac{1}{2}$  N R 23 E  
S 14 | S 13  
S 23 | S 24  
1931

from which

A juniper, 30 ins. diam., bears N. 17 $\frac{1}{2}$ ° E., 24 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 13 B T.

A pinon, 6 ins. diam., bears S. 19 $\frac{1}{2}$ ° E., 44 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 24 B T.

A pinon, 8 ins. diam., bears S. 3° W., 77 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 23 B T.

A pinon, 10 ins. diam., bears N. 11 $\frac{1}{2}$ ° W., 37 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 14 B T.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pine, juniper and oak; undergrowth, scrub oak, mahogany, bear grass and maple.

N. 89° 57' E., on a random line, bet. secs. 13 and 24.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.12 Fall 5 lks. S. of the cor. of secs. 13, 18, 19 and 24 on E. bdy. of Tp., hereinbefore described,

Thence

S. 89° 55' W., on a true line, bet. secs. 13 and 24.

Over mountainous land, through heavy timber and dense undergrowth,

Ascend 93 ft. over rocky SE. slope.

12.60 Ridge, bears N. and S.; desc. 147 ft. over W. slope.

38.00 Wire fence, bears NE. and SW.

40.06 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap marked

S 13  
 $\frac{1}{4}$  ———  
S 24  
1931

from which

A yellow pine, 18 ins. diam., bears N. 64 $\frac{1}{2}$ ° E., 70 lks. dist.,  
mkd.  $\frac{1}{4}$  S 13 B T.

A pinon, 10 ins. diam., bears S. 67 $\frac{1}{2}$ ° W., 44 lks. dist.,  
mkd.  $\frac{1}{4}$  S 24 B T.

Chains. Descend 16 ft. over W. slope.

47.95 Rocky spur, slopes SW.; desc. 408 ft. over W. slope.

62.50 Head of gulch, course NW.; asc. 102 ft. over NE. slope.

67.30 Spur, slopes NW.; desc. 250 ft. over SW. slope.

80.12 The cor. of secs. 13, 14, 23 and 24.

Land, mountainous.  
Soil, rocky; 4th rate.  
Timber, pine, pinon, cedar and oak; undergrowth, scrub oak, mahogany and maple.

N. 0° 1' W., bet secs. 13 and 14.

Over mountainous land, through scattering timber and dense undergrowth.

Descend 13 ft. over NW. slope.

2.50 Head of draw, course W.; asc. 23 ft. over SE. slope.

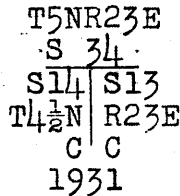
16.00 Spur, slopes W.; desc. 2 ft.

17.65 Gulch, course W.; asc. 36 ft. over S. slope.

32.50 Ridge, bears SE. and NW.; desc. 70 ft. over N. slope.

38.73 Intersect the First Standard Parallel North.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 13 and 14, with brass cap marked.



from which

A white oak, 5 ins. diam., bears S. 28 3/4° E., 39 lks. dist., mkd. T 4 1/2 N R 23 E S 13 C C B T.

A white oak, 10 ins. diam., bears S. 34 1/2° W., 28 lks. dist., mkd. T 4 1/2 N R 23 E S 14 C C B T.

From point of intersection the standard cor. of secs. 33 and 34, T. 5 N., R. 23 E., bears West., 10.81 chs. dist., an iron post, 2 ins. diam., 10 ins. above ground, mkd. and witnessed as described in the official record.

From the same point the standard 1/4 sec. cor. of sec. 34, T. 5 N., R. 23 E., bears East., 29.19 chs. dist., an iron post, 1 in. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.

Land, mountainous.  
Soil, sandy loam and rocky; 2nd and 3rd rate.  
Timber, pine, oak, cedar, pinon and juniper; undergrowth, scrub oak, and bear grass.

Chains	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., hereinbefore described, N. 0° 1' W., bet. secs. 34 and 35. Over level mesa land, through scattering timber and undergrowth.
20.66	Wire fence, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap marked. $\frac{1}{4}$ S34   S35 1931 from which A juniper, 14 ins. diam., bears N. 14° E., 25 lks. dist., mkd. $\frac{1}{4}$ S 35 B T. A pinon, 8 ins. diam., bears N. 22 $\frac{3}{4}$ ° W., 31 lks. dist., mkd. $\frac{1}{4}$ S 34 B T.
44.80	Wire fence, bears SE. and NW.
46.00	Top of rim rocks, 30 ft. high, bears SE. and NW.; desc. 458 ft. over NE. slope, through heavy undergrowth.
47.35	Trail, bears E. and W.
50.04	Trail, bears SE. and NW.
77.00	Spur, slopes NE.; desc. N. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked $T4\frac{1}{2}N R23E$ S27   S26 S34   S35 1931 from which A yellow pine, 6 ins. diam., bears N. 65 $\frac{1}{2}$ ° E., 42 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 26 B T. A white oak, 10 ins. diam., bears S. 79° E., 108 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 35 B T. A white oak, 8 ins. diam., bears S. 48° W., 32 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 34 B T. A white oak, 36 ins. diam., bears N. 33 $\frac{1}{2}$ ° W., 45 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 27 B T. Land, level and mountainous. Soil, sandy loam and rocky; 2nd and 3rd rates. Timber, pine, pinyon, oak and juniper; undergrowth, cactus, scrub oak, mahogany and grass.
	East, on a random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Fall 19 lks. S. of the cor. of secs. 25, 26, 35 and 36.



Chains	Thence
	S.89°52'W., on a true line, bet. secs. 26 and 35.
	Over mountainous land, through scattering timber and dense undergrowth.
2.20	Spur, slopes SW.; desc. 93 ft. over W. slope.
9.00	Cultivated field bears N. about 15 chs. dist.
9.50	Drain, course S.15°W.; asc. 19 ft. over SE. slope.
12.50	Low spur, slopes SW.; desc. 25 ft. over NW. slope.
16.50	Small drain, course S.; asc. 23 ft. over SE. slope.
22.50	Spur, slopes S.; desc. 179 ft. along broken SW. slope.
23.80	Old road, bears N.10°E., and S.10°W.
35.00	Continue descending over NW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked.
	$\begin{array}{r} S\ 26 \\ \frac{1}{4} \text{ ---} \\ S\ 35 \\ 1931 \end{array}$
	from which
	A fir, 6 ins. diam., bears N.4½°E., 37 lks. dist., mkd. ¼ S 26 B T.
	A fir, 6 ins. diam., bears S.31¾°E., 11 lks. dist., mkd. ¼ S 35 B T.
	Descend 46 ft. over NW. slope.
45.45	Bend in wash, 50 lks. wide, course NW., from NE.
46.40	Junction of ravines, course SE.
52.65	Bend in same ravine, course NW.; asc. 10 ft. over NE. slope.
55.80	Point of spur, slopes NW. desc. 21 ft. over SW. slope.
58.85	Draw, course N.; asc. 59 ft. over NE. slope.
62.75	Spur, slopes NW.; desc. 121 ft. over SW. slope.
69.90	Telephone line, bears N. and S.
70.14	Road, bears NE. and SW.
71.06	Seven Mile Creek, 40 lks. wide; course N.; asc. 104 ft. over W. slope.
80.00	The cor. of secs. 26, 27, 34 and 35.
	Land, mountainous. Soil, clay and rocky; 4th rates. Timber, pine, fir, juniper, oak and cedar; undergrowth, scrub oak, maple, mahogany and grass.
	N.0°1'W., bet. secs. 26 and 27.
	Over mountainous land, through scattering timber and dense undergrowth.

- Chains. Along W.slope of spur.
- 6.00 Draw, course NE.
- 8.50 Descend 153 ft. over NE.slope.
- 12.60 Seven Mile Creek, 20 lks. wide, course NW.; asc. 122 ft. over SW.slope.
- 15.73 Road, bears SE. and NW.
- 16.00 Telephone line, bears SE. and NW.
- 20.20 Draw, course SW.; asc. along SE.slope of spur.
- 27.75 Spur, slopes SW.; desc. 82 ft. along W.slope.
- 34.75 Spur, slopes W.; continue descending.
- 39.11 Ravine, course W.; asc. 29 ft. over S.slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

 $\frac{1}{4}$ 

S27 | S26

1931

from which

An oak, 10 ins. diam., bears S.60°E., 59 lks. dist.,  
mkd.  $\frac{1}{4}$  S 26 B.T.

An oak, 10 ins. diam., bears N.13 $\frac{1}{4}$ °W., 63 lks. dist.,  
mkd.  $\frac{1}{4}$  S 27 B.T.

Ascend 53 ft. over S.slope.

42.96 A yellow pine 14 ins. diam., bears East, 42 lks. dist., mkd.  
B M. 5784.70

43.00 Spur, slopes W.; desc. 6 ft. over N.slope.

50.12 Spur, slopes W.; desc. 73 ft. over NW.slope.

52.50 Ravine, course W.; asc. 68 ft. over S.slope.

64.25 Spur, slopes W.; continue along broken W.slope.

76.50 Ravine, course NW.

77.50 Point of spur, slopes W.; desc. 48 ft. over NW.slope.

79.60 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for witness cor. of secs. 22, 23, 26 and 27, with brass cap marked.

W C

T4 $\frac{1}{2}$ N R23E

S22 | S23

S27 | S26

1931

from which

A white oak, 10 ins. diam., bears N.39°E., 74 lks. dist.,  
mkd. W C T 4 $\frac{1}{2}$  N R 23 E S 23 B T.

Chains.

A juniper, 5 ins. diam., bears S. 26° E., 74 lks. dist.,  
mkd. W C T 4 $\frac{1}{2}$  N R 23 E S 26 B T.

A yellow pine, 12 ins. diam., bears S. 60° W., 57 lks. dist.,  
mkd. W C T 4 $\frac{1}{2}$  N R 23 E S 27 B T.

A juniper, 24 ins. diam., bears N. 37° W., 90 lks. dist.,  
mkd. W C T 4 $\frac{1}{2}$  N R 23 E S 22 B T.

80.00 True point for cor. of secs. 22, 23, 26 and 27 falls in wash.  
Land, mountainous.  
Soil, rocky; 4th rate.  
Timber, pine, juniper, oak and cedar; undergrowth, scrub oak,  
mahogany, alder and grass.

From true point for cor. of secs. 22, 23, 26, and 27,  
N. 89° 52' E., on a random line, bet. secs. 23 and 26.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.09 Fall 12 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence

S. 89° 57' W., on a true line, bet. secs. 23 and 26.

Over mountainous land, through scattering timber and dense  
undergrowth. Descend 43 ft. over rocky SW. slope.

7.35 Rocky wash, 20 lks. wide, course NW.; asc. 91 ft. over NE.  
slope.

18.30 Sharp ridge, bears N. 10° E., and S. 10° W.; desc. 96 ft. over W.  
slope.

24.00 Continue descending over broken NW. slope.

40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

S 23  
 $\frac{1}{4}$  ———  
S 26  
1931

from which

A pinon, 10 ins. diam., bears N. 45° E., 22 lks. dist.,  
mkd.  $\frac{1}{4}$  S 23 B T.

A pinon, 5 ins. diam., bears S. 72 $\frac{3}{4}$ ° E., 30 lks. dist.,  
mkd.  $\frac{1}{4}$  S 26 B T.

Continue descending over NW. slope.

51.20 Low ridge, bears SE. and NW.; desc. 121 ft. over SW. slope.

55.08 Wire fence, bears N. and S.

64.92 Ravine, course SW.

68.80 Spur, slopes SW.; continue descending 141 ft. over SW. slope.

72.20 Wire fence, bears N. and S.; continue descending over NW.  
slope.

80.09 The true point for cor. of secs. 22, 23, 26 and 27.

Land, mountainous.  
Soil, rocky; 4th rate.  
Timber, pine, pinon, cedar, oak and juniper; undergrowth,  
scrub oak, willow, manzanita and grass.

Chains.	From true point for cor. of secs. 22, 23, 26 and 27. N.0°1'W., bet. secs. 22 and 23. Over mountainous land, through scattering timber and dense undergrowth. Ascend 56 ft. over SE. slope.
2.20	Spur, slopes W.; continue along broken W. slope.
38.67	Wash, 10 lks. wide, course NW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked.
	$\frac{1}{4}$ S22   S23 1931
	from which
	A yellow pine, 24 ins. diam., bears S.56°E., 13 lks. dist., mkd. $\frac{1}{4}$ S 23 B T.
	A cedar, 4 ins. diam., bears S.56°W., 11 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
	Ascend 5 ft. along W. slope.
48.20	Ravine, 20 lks. wide, course W.
50.00	Spur, slopes W.; desc. 159 ft. over NW. slope.
62.12	Wash, 10 lks. wide, course SW.; asc. 144 ft. along W. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap marked.
	T4 $\frac{1}{2}$ N R23E S15   S14 S22   S23 1931
	from which
	A white oak, 12 ins. diam., bears N.53°E., 136 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 14 B T.
	A cedar, 5 ins. diam., bears S.49°E., 20 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 23 B T.
	A pinon, 6 ins. diam., bears S.12°W., 47 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 22 B T.
	A juniper, 6 ins. diam., bears N.1°W., 102 lks. dist., mkd. T 4 $\frac{1}{2}$ N R 23 E S 15 B T.
	Land, mountainous. Soil, sandy loam and gravelly; 3rd and 4th rates. Timber, pine, juniper, oak, pinon and cedar; undergrowth, scrub oak, mahogany and willow.
	N.89°57'E., on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Fall 6 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Chains.	Thence
	West, on a true line, bet. secs. 14 and 23.
	Over mountainous land, through scattering timber and dense undergrowth.
	Descend 380 ft. over broken NW. slope.
4.00	Low spur, slopes NW.; continue descending over SW. slope.
28.00	Spur, slopes SW.; continue descending over NW. slope.
37.80	Ravine, course SW.; asc. 31 ft. over SE. slope.
39.96	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked.
	$\begin{array}{r} S \ 14 \\ \frac{1}{4} \\ \hline S \ 23 \\ 1931 \end{array}$
	from which
	A yellow pine, 5 ins. diam., bears N. 71½° W., 03 lks. dist., mkd. ¼ S 14 B T.
	A black oak, 6 ins. diam., bears S. 46¾° W., 47 lks. dist., mkd. ¼ S 23 B T.
	Descend 95 ft. along S. slope.
58.90	Wash, 10 lks. wide, course SW.; asc. 36 ft. over SE. slope.
66.00	Spur, slopes SW.; desc. 103 ft. over W. slope.
79.92	The cor. of secs. 14, 15, 22 and 23.
	Land, mountainous. Soil, rocky; 3rd rate. Timber, pine, fir, cedar, oak, pinon and juniper; undergrowth, scrub oak, mahogany and bear grass.
	N. 0° 1' W., bet. secs. 14 and 15.
	Over mountainous land, through scattering timber and dense undergrowth.
	Descend 10 ft. along W. slope.
19.40	Descend 135 ft. over broken NW. slope.
24.48	Wash, 15 lks. wide, course W.; asc. 70 ft. over SW. slope.
29.75	Spur, slopes W.; desc. 45 ft. over NW. slope.
32.15	Head of ravine, course W.; asc. 72 ft. over SW. slope.
37.30	Spur, slopes W.; desc. 22 ft. over N. slope.
38.60	Intersect the First Standard Parallel North.
	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 14 and 15, with brass cap marked.

SUBDIVISIONS OF T.4 $\frac{1}{2}$  N., R.23 E.

Chains.

T5NR23E  
S 33  
S15 | S14  
T4 $\frac{1}{2}$ N | R23E  
C C  
1931

from which

A white oak, 6 ins. diam. bears S. 82° E., 44 lks. dist., mkd.  
T 4 $\frac{1}{2}$  N R 23 E S 14 C C B. T.

A. pinon, 10 ins. diam., bears S. 17 $\frac{3}{4}$ ° W., 24 lks. dist.,  
mkd. T 4 $\frac{1}{2}$  N R 23 E S 15 C C B T.

From point of intersection the standard cor. of secs. 32  
and 33 T. 5 N. R., 23 E., bears West, 10.99 chs. dist., an iron  
post, 2 ins. diam., 14 ins. above ground, and in a mound of  
stone to top, mkd. and witnessed as described in the official  
record.

From the same point the standard  $\frac{1}{4}$  sec. cor. of sec. 33, T.  
5 N., R. 23 E., bears East, 29.01 chs. dist., an iron post, 1 in.  
diam., 12 ins. above ground, mkd. and witnessed as described  
in the official record.

Land, mountainous.

Soil, sandy and clay, 2nd rates.

Timber, pine, pinon, cedar, fir, oak and juniper; undergrowth,  
scrub oak, mahogany, manzanita and bear grass.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy.  
of the Tp., hereinbefore described,

N. 0° 2' W., bet. secs. 33 and 34.

Over rolling mesa land, through scattering timber and  
undergrowth.

- 1.70 Draw, course W.; asc. 62 ft. over SW. slope.  
17.00 Spur; slopes SW.; continue along W. slope.  
23.00 Descend 14 ft. over NW. slope.  
25.37 Ravine, course SW.; asc. 36 ft. over SE. slope.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

 $\frac{1}{4}$ 

S33 | S34

1931

from which

A juniper, 10 ins. diam., bears S. 88° W., 116 lks. dist.,  
mkd.  $\frac{1}{4}$  S 33 B T.

A juniper, 48 ins. diam., bears S. 49 $\frac{1}{2}$ ° E., 391 lks. dist.,  
mkd.  $\frac{1}{4}$  S 34 B T.

Ascend 111 ft. over SE. slope.

- 60.00 Ridge, bears NE. and SW.; continue along W. slope.  
79.50 Wash, 30 lks. wide, course SW.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
ground, for cor. of secs. 27, 28, 33 and 34, with brass cap  
marked.

Chains.

T 4½ N R 23 E	
S 28	S 27
S 33	S 34
1931	

from which

- A juniper, 40 ins. diam., bears N. 50<sup>3</sup>/<sub>4</sub>° E., 186 lks. dist., mkd. T 4½ N R 23 E S 27 B. T.
- A juniper, 36 ins. diam., bears S. 43° E., 103 lks. dist., mkd. T 4½ N R 23 E S 34 B. T.
- A juniper, 30 ins. diam., bears S. 21° W., 236 lks. dist., mkd. T 4½ N R 23 E S 33 B. T.
- A juniper, 24 ins. diam., bears N. 31° W., 57 lks. dist., mkd. T 4½ N R 23 E S 28 B. T.

Land rolling.  
 Soil, clay and rocky 2nd and 3rd rates.  
 Timber, scattering juniper, pine, oak, pinon and cedar; undergrowth, scrub oak and grass.

East, on a random line, bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

80.12 Intersect the cor. of secs. 26, 27, 34 and 35.

Thence

West, on a true line, bet. secs. 27 and 34.

Over mountainous land, through scattering timber and undergrowth.

Ascend 496 ft. over NE. slope.

28.37 Top of rimrocks, 75 ft. high, bears SE. and NW.; continue over rolling mesa land; desc. 28 ft. over SW. slope.

38.12 Draw, course S.; asc. 34 ft. over SE. slope.

40.06 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor. with brass cap marked.

S 27
¼
S 34
1931

from which

A juniper, 10 ins. diam., bears N. 72° E., 189 lks. dist., mkd. ¼ S 27 B. T.

A juniper, 24 ins. diam., bears S. 81° W., 45 lks. dist., mkd. ¼ S 34 B. T.

50.12 Low ridge, bears N. and S.; desc. 57 ft. over W. slope.

78.82 Draw, course SW:

80.12 The cor. of secs. 27, 28, 33 and 34.

Land, rolling and mountainous.  
 Soil, clay and rocky; 3rd and 4th rates.  
 Timber, pine, pinon, oak, and juniper; undergrowth, scrub oak, mahogany and grass.

Chains.	N.0°2'W., bet. secs. 27 and 28.
	Over rolling mesa land, through scattering timber and undergrowth.
	Ascend 57 ft. over SE. slope.
20.00	Low spur, slopes SW.; cont. desc. over NW. slope.
25.00	Head of draw, course SW.; asc. 30 ft. over SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked.
	$\frac{1}{4}$ S28   S27 1931
	from which
	A juniper, 24 ins. diam., bears S. 9¼° E., 193 lks. dist., mkd. ¼ S 27 B T.
	A double juniper, 12 ins. diam., bears N. 80½° W., 74 lks. dist., mkd. ¼ S 28 B T.
	Ascend 9 ft. over SW. slope.
55.30	Top of rim rocks, bears SE. and NW.; desc. 521 ft. over NE. slope..
66.40	Trail, bears SE. and NW.
67.50	Spur, slopes E.; desc. N. slope..
72.53	Gulch, course NE.; asc. 49 ft. over SE. slope.
73.68	Wire fence, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap marked.
	T 4½ N. R 23 E. S21   S22 S28   S27 1931
	from which
	A juniper, 6 ins. diam., bears N. 46½° E., 95 lks. dist., mkd. T 4½ N R 23 E S 22 B T.
	A white oak, 10 ins. diam., bears S. 48½° E., 21 lks. dist., mkd. T 4½ N R 23 E S 27 B T.
	A white oak, 6 ins. diam., bears S. 32° W., 81 lks. dist., mkd. T 4½ N R 23 E S 28 B T.
	A white oak, 5 ins. diam., bears N. 5° W., 39 lks. dist., mkd. T 4½ N R 23 E S 21 B T.
	Land, mountainous. Soil, rocky; 4th rate. Timber, pinon, pine, oak, and juniper; undergrowth, scrub oak, mahogany chamisal and grass.
	East, on a random line, bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.07	Intersect N. and S. line, 4 lks. S. of the true point for cor. of secs. 22, 23, 26 and 27.



Chains	Thence
	S.89°58'W., on a true line, bet. secs. 22 and 27.
	Over mountainous land, through scattering timber and dense undergrowth.
	Ascend 6 ft. over SE. slope.
1.00	Spur, slopes S.; desc. 20 ft. over SW. slope.
1.85	Ravine, 20 lks. wide, course NW.; asc. 10 ft. over NE. slope.
5.50	Spur, slopes N.; desc. 32 ft. over NW. slope.
8.00	Bend in same ravine, course NW, from NE.; asc. 10 ft. over broken SW. slope.
15.00	Spur, slopes NW.; desc. 218 ft. over broken SW. slope.
37.74	Telephone line, bears N. and S.
39.40	Seven Mile Creek, 20 lks. wide, course N. 30° W.
39.85	Road, bears N. 30° W., and S. 30° E.
40.03	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked.
	$\frac{1}{4} \begin{array}{l} S 22 \\ S 27 \\ 1931 \end{array}$
	from which
	A yellow pine, 10 ins. diam., bears N. 87° E., 129 lks. dist., mkd. $\frac{1}{4}$ S 22 B T.
	A yellow pine, 24 ins. diam., bears S. 87° W., 98 lks. dist., mkd. $\frac{1}{4}$ S 27 B T.
	Ascend 152 ft. over steep rocky, NE. slope.
45.27	Wire fence, bears NE. and SW.
45.79	Old road, bears N. and S.
49.33	Spur, slopes NE.; continue ascending.
52.00	Ravine, course NE.; asc. NW. slope.
54.81	Trail, bears N. and S.
57.31	Spur, slopes NE.; desc. 11 ft. over NW. slope.
60.27	Ravine, course NE.; asc. 68 ft. over SE. slope.
64.87	Spur, slopes NE.; desc. 3 ft. along N. slope.
72.97	Wash, 30 lks. wide, course N. 70° E.; asc. 152 ft. over SE. slope.
80.07	The cor. of secs. 21, 22, 27 and 28.
	Land, mountainous. Soil, rocky; 3 rd rate. Timber, pine, oak, juniper and pinon; undergrowth, scrub oak, mahogany, maple and willow.

SUBDIVISIONS OF T.4½ N., R.23 E.

Chains N.0°2'W., bet. secs. 21 and 22.

Over mountainous land, through scattering timber and dense undergrowth.

Descend 11 ft. along E. slope.

20.00 Head of draw, course E.; asc. 27 ft. over 27 ft. over S. slope.

21.00 Spur, slopes NE.; descend 223 ft. over NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked.

¼  
S21 | S22  
1931

from which

A white oak, 5 ins. diam., bears S. 67¼° E., 15 lks. dist., mkd. ¼ S 22 B T.

A white oak, 10 ins. diam., bears S. 76½° W., 33 lks. dist., mkd. ¼ S 21 B T.

Descend 151 ft. over NW. slope.

47.60 Wash, 20 lks. wide, course NE.; asc. 110 ft. over SE. slope.

55.50 Spur, slopes E.; desc. 96 ft. over NE. slope.

62.20 Ravine, course E.; asc. 30 ft. over SE. slope.

67.60 Wire fence, bears NE. and SW.

69.50 Spur, slopes E.; desc. 102 ft. over NE. slope.

75.40 Ravine, course E.

78.00 Top of knoll.; desc. NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with brass cap marked.

T 4½ N R 23 E  
S16 | S15  
S21 | S22  
1931

from which

A cedar, 4 ins. diam., bears N. 71¼° E., 51 lks. dist., mkd. B T only.

A cedar, 6 ins. diam., bears S. 3¼° E., 125 lks. dist., mkd. T 4½ N R 23 E S 22 B T.

A cedar 4 ins. diam., bears S. 16° W., 49 lks. dist., mkd. T 4½ N R 23 E S 21 B T.

A pinon, 4 ins. diam., bears N. 71½° W., 98 lks. dist., mkd. T 4½ N R 23 E S 16 B T.

Land, mountainous.  
Soil, rocky; 4th rate.  
Timber, pine, cedar, pinon and oak; undergrowth, scrub oak, mahogany, manzanita and grass.

Chains. N.89°58'E., on a random line, bet. secs. 15 and 22.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Fall 5 lks. N. of the cor. of secs. 14, 15, 22 and 23.

Thence

West, on a true line, bet. secs. 15 and 22.

Over mountainous land, through scattering timber and dense undergrowth.

Descend 28 ft. over W. slope.

10.00 Low sag bears N. and S.

12.70 Descend 278 ft. over W. slope.

27.70 Rocky gulch, course NW.

31.04 Same gulch, course SW.

36.25 Same gulch, course NW.; asc. 37 ft. over NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$   $\frac{S\ 15}{S\ 22}$   
 1931

from which

A yellow pine, 5 ins. diam., bears S. 33 $\frac{3}{4}$ ° W., .07 lks. dist. mkd.  $\frac{1}{4}$  S 22 B T.

A yellow pine, 6 ins. diam., bears N. 41° W., .40 lks. dist., mkd.  $\frac{1}{4}$  S 15 B T.

Descend 71 ft. over broken W. slope.

44.80 Wire fence, bears NE. and SW.

57.62 Wire fence, bears N. 20° W. and S. 20° E.

58.70 Seven Mile Creek, 30 lks. wide, course N. 30° W.

62.50 Telephone line, bears SE. and NW.

63.30 Road, bears SE. and NW.; asc. 179 ft. over NE. slope.

79.50 Spur ridge, bears SE. and NW.

80.00 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.  
 Soil, sandy loam and gravelly; 2nd and 3rd rates.  
 Timber, pine, fir, cedar, pinon and oak; undergrowth, scrub oak, mahogany, willow and grass.

N. 0° 2' W., bet. secs. 15 and 16.

Over mountainous land, through scattering timber and dense undergrowth.

0.25 Spur, slopes NW.; desc. 123 ft. over NE. slope.

14.50 Low spur, slopes NE. continue descending over NW. slope.

SUBDIVISIONS OF T.4 1/2 N., R.23 E.

- Chains. 16.70 Wire fence, bears SE. and NW.; an old cabin bears E. about 200 lks. dist.
- 18.00 Wire fence, bears NE. and SW.
- 19.00 Ravine, course NE. asc along E. slope.
- 31.44 leave mountainous land, bears SE. and NW.; road bears SE. and NW.
- 33.24 Telephone line, bears SE. and NW.
- 34.14 Wire fence, bears SE. and NW.
- 38.53 Intersect the First Standard Parallel North.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for closing cor. of secs. 15 and 16, with brass cap marked.

T5NR23E  
 S 32  
 S16 | S15  
 T4 1/2 N | R23E  
 C C  
 1931

from which

A black walnut, 5 ins. diam., bears S. 29 3/4° E., 155 lks. dist., mkd. T 4 1/2 N R 23 E S 15 C C B T.

A cedar, 10 ins. diam., bears S. 3° W., 99 lks. dist., mkd. T 4 1/2 N R 23 E S 16 C C B T.

From point of intersection the standard cor. of secs. 31 and 32 T. 5 N., R. 23 E., bears West, 11.11 chs. dist., an iron post, 2 ins. diam., 8 ins. above ground, mkd. and witnessed as described in the official record.

From the same point the standard 1/4 sec. cor. of sec. 32, T. 5 N., R. 23 E., bears East, 28.89 chs. dist., an iron post, 1 in. diam., 14 ins. above ground in mound of stone to top, mkd. and witnessed as described in the official record. Land, mountainous.

Soil, sandy loam and gravelly; 2nd and 3rd rates. Timber, pine, fir, cedar, oak and pinon; undergrowth, scrub oak, mahogany, maple and willow.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., hereinbefore described,

N. 0° 2' W., bet. secs. 32 and 33.

Over rolling mesa land, through scattering timber and undergrowth.

Descend 40 ft. over NW. slope.

- 18.57 Wash, 20 lks. wide, course SW; asc. 62 ft. over SE. slope.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. with brass cap marked.

1/4  
 S32 | S33  
 1931

from which

BOOK 8888

Chains  
 A juniper, 14 ins. diam., bears S. 13½° E., 64 lks. dist.,  
 mkd. ¼ S 33 B T.  
 A yellow pine, 30 ins. diam., bears N. 63½° W., 108 lks. dist.,  
 mkd. ¼ S 32 B T.  
 Ascend 35 ft. over SE. slope.  
 45.00 Low spur, slopes SW.; desc. 46 ft. over NW. slope.  
 51.00 Wash, 10 lks. wide, course W.; asc. 41 ft. over SW. slope.  
 75.00 Leave scattering timber.; enter prairie land.  
 -80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
 ground, for cor. of secs. 28, 29, 32 and 33, with brass cap  
 marked.

T 4½ N R 23 E  
 S 29 | S 28  
 S 32 | S 33  
 1931

from which

A juniper, 12 ins. diam., bears N. 89¼° E., 428 lks. dist.,  
 mkd. T 4½ N R 23 E S 28 B T.  
 A juniper, 8 ins. diam., bears S. 5½° E., 502 lks. dist.,  
 mkd. T 4½ N R 23 E S 33 B T.  
 A juniper, 8 ins. diam., bears S. 8½° W., 423 lks. dist.,  
 mkd. T 4½ N R 23 E S 32 B T.  
 A yellow pine, 12 ins. diam., bears N. 85½° W., 819 lks.  
 dist., mkd. T 4½ N R 23 E S 29 B T.

Land, rolling.  
 Soil, sandy, clay and rocky; 2nd and 3rd rates.  
 Timber, scattering pine, juniper, oak and fir; undergrowth,  
 scrub oak, and grass.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.  
 79.96 Fall 2 lks. N. of the cor. of secs. 27, 28, 33 and 34.  
 Thence  
 N. 89° 59' W., on a true line, bet. secs. 28 and 33.  
 Over rolling land, through scattering timber and under-  
 growth.  
 Ascend 28 ft. over SE. slope.  
 29.96 Spur, slopes SW.; desc. 106 ft. over NW. slope.  
 34.36 Wash, 15 lks. wide, course SW.; asc. 71 ft. over SE. slope.  
 39.98 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the  
 ground to bedrock and in a mound of stone to top, for ¼  
 sec. cor. with brass cap marked.

S 28  
 ¼  
 S 33  
 1931

from which

SUBDIVISIONS OF T.4½ N., R.23 E.

Chains A yellow pine, 11 ins. diam., bears N. 57½° E., 98 lks. dist.,  
mkd. ¼ S 28 B T.

A yellow pine, 5 ins. diam., bears S. 8¼° E., 42 lks. dist.,  
mkd. ¼ S 33 B T.

54.96 Spur, slopes SW.; desc. 103 ft. over gradual SW. slope.

77.00 Leave scattering timber.; enter prairie land.

79.96 The cor. of secs. 28, 29, 32 and 33.

Land, rolling.  
Soil, sandy and clay; 2nd and 3rd rates.  
Timber, pine, juniper and oak; undergrowth scrub oak, mahog-  
any and grass.

N. 0° 2' W., bet. secs. 28 and 29.

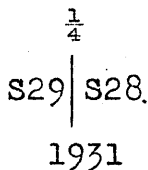
Over rolling land, through scattering timber and under-  
growth, asc. gradually.

4.10 Old fence, bears E. and W.;

5.00 Draw, course SW.; asc. 81 ft. over SW. slope to ¼ sec. cor.

39.00 Wire fence, bears N. 70° E., and S. 70° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for ¼ sec. cor. with brass cap marked.



from which

A pinon, 6 ins. diam., bears S. 89° E., 89 lks. dist.,  
mkd. ¼ S 28 B T.

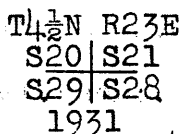
A pinon, 10 ins. diam., bears N. 69¾° W., 126 lks. dist.,  
mkd. ¼ S 29 B T.

Ascend 34 ft. over gradual SW. slope.

55.00 Spur, slopes SW.; desc. 21 ft. over NW. slope.

72.90 Draw, course SW.; asc. 38 ft. over SE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the  
ground to bedrock, and in a mound of stone to top, for  
cor. of secs. 20, 21, 28 and 29, with brass cap marked.



from which

A pinon, 10 ins. diam., bears N. 46½° E., 116 lks. dist.,  
mkd. T 4½ N R 23 E S 21 B T.

A juniper, 48 ins. diam., bears S. 52½° E., 169 lks. dist.,  
mkd. T 4½ N R 23 E S 28 B T.

A juniper, 30 ins. diam., bears S. 20° W., 149 lks. dist.,  
mkd. T 4½ N R 23 E S 29 B T.

2-11-1938

Chains A juniper, 18 ins. diam., bears N.25½°W., 141 lks. dist.,  
 mkd. T 4½ N R 23 E S 20 B T.

Land, rolling.  
 Soil, clay and rocky; 2nd and 3rd rates.  
 Timber, pine, juniper and oak; undergrowth, scrub oak, cactus  
 and grass.

S.89°59'E., on a random line, bet. secs. 21 and 28.

40.00 Set temp. ¼ sec. cor.

79.92 Fall 4 lks. N. of the cor. of secs. 21, 22, 27 and 28.

Thence

N.89°57'W., on a true line, bet. secs. 21 and 28.

Over mountainous land, through scattering timber and under-  
 growth.

Ascend 326 ft. over NE. slope.

10.52 Spur, slopes SE.; desc. 55 ft. over SW. slope.

15.97 Head of ravine, course SE.; asc. 193 ft. over E. slope.

30.43 Wire fence, bears NE. and SW.

31.42 Spur, slopes N.; desc. 52 ft. over NW. slope.

39.96 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor. with brass cap marked.

S 21  
 ¼  
 S 28  
 1931

from which

A juniper, 36 ins. diam., bears S.27½°E., 82 lks. dist.,  
 mkd. ¼ S 28 B T.

A yellow pine, 24 ins. diam., bears N.22½°E., 44 lks. dist.,  
 mkd. ¼ S 21 B T.

Descend 17 ft. over NW. slope.

44.92 Head of ravine, course NE.; asc. 35 ft. over SE. slope.

46.22 Wire fence, bears SE. and NW.

54.92 Ridge, bears SE. and NW.; desc. 28 ft. over SW. slope.

72.42 Draw, course SW.; asc. 11 ft. over SE. slope.

79.92 The cor. of secs. 20, 21, 28 and 29.

Land, mountainous.  
 Soil, clay and rocky; 3rd and 4th rates.  
 Timber, pine, juniper pinon and oak; undergrowth, scrub oak,  
 mahogany, cactus and grass.

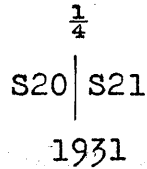
N.0°2'W., bet. secs. 20 and 21.

Over rolling mesa land, through scattering timber and  
 undergrowth.

SUBDIVISIONS OF T.4 $\frac{1}{2}$  N., R.23 E.

Chains. Ascend 74 ft. over gradual SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.



from which

A juniper, 40 ins. diam., bears S. 49 $\frac{1}{2}$ ° E., 240 lks. dist., mkd.  $\frac{1}{4}$  S 21 B T.

A pinon, 10 ins. diam., bears N. 60 $\frac{3}{4}$ ° W., 106 lks. dist., mkd.  $\frac{1}{4}$  S 20 B T.

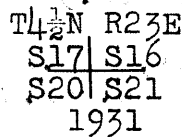
45.00 Top of rim rocks, 20 ft. high, bears SE. and NW.; leave mesa desc. 452 ft. over NE. slope.

57.95 Trail, bears E. and W.

59.75 Same trail, bears SE. and NW.

68.91 Old road, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, with brass cap marked.



from which

A white oak, 18 ins. diam., bears N. 29° E., 59 lks. dist., mkd. T 4 $\frac{1}{2}$  N R 23 E S 16 B T.

A pinon, 10 ins. diam., bears S. 16 $\frac{1}{2}$ ° E., 46 lks. dist., mkd. T 4 $\frac{1}{2}$  N R 23 E S 21 B T.

A pinon, 8 ins. diam., bears S. 52° W., 130 lks. dist., mkd. T 4 $\frac{1}{2}$  N R 23 E S 20 B T.

A cedar, 10 ins. diam., bears N. 35 $\frac{1}{2}$ ° W., 119 lks. dist., mkd. T 4 $\frac{1}{2}$  N R 23 E S 17 B T.

Land, rolling and mountainous.  
Soil, clay and rocky; 2nd and 3rd rates.  
Timber, pine, pinon, oak, and cedar; undergrowth, scrub oak, mahogany and grass.

S. 89° 57' E., on a random line, bet. secs. 16 and 21.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.98 Fall 2 lks. S. of the cor. of secs. 15, 16, 21 and 22.

Thence

N. 89° 58' W., on a true line, bet. secs. 16 and 21.

Over mountainous land, through scattering timber and dense undergrowth.

Descend 74 ft. over SW. slope.



Chains.

- 6.42 Wash, 20 lks. wide, course N.; asc. 210 ft. over E. slope.
- 23.80 Spur, slopes N.; desc. 56 ft. over NW. slope.
- 29.80 Wash, 20 lks. wide, course N. asc. 80 ft. over NE. slope.
- 33.91 Old road, bears N. and S.
- 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor. with brass cap marked.

$\frac{1}{4}$   $\frac{S\ 16}{S\ 21}$   
 1931

from which

A yellow pine, 6 ins. diam., bears S. 59<sup>3</sup>/<sub>4</sub>° E., 97 lks. dist., mkd. ¼ S 21 B T.

A cedar, 6 ins. diam., bears N. 22¼° W., 100 lks. dist., mkd. ¼ S 16 B T.

Continue ascending 181 ft. over NE. slope.

64.70 Descend 23 ft. over NW. slope.

69.00 Ascend 86 ft. over NE. slope.

79.98 The cor. of secs. 16, 17, 20 and 21.

Land, mountainous.  
 Soil, sandy and rocky; 2nd and 4th rates.  
 Timber, pine, pinon, cedar, oak and juniper; undergrowth, scrub oak, second growth juniper and bear grass.

N. 0° 2' W., bet. secs. 16 and 17.

Over mountainous land, through scattering timber and dense undergrowth.

2.50 Low spur, slopes W.; desc. 345 ft. over NW. slope.

8.96 Trail, bears N. 50° E., and S. 50° W.

12.74 Same trail, bears S. 20° E., and N. 20° W.

15.60 Low spur, slopes NW.; continue descending over NE. slope.

20.60 Bend in same trail, bears NW. and SW.

38.51 Intersect the First Standard Parallel North.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for closing cor. of secs. 16 and 17, with brass cap marked.

T5NR23E  
 $\frac{S\ 31}{S17\ S16}$   
 $\frac{T4\frac{1}{2}N\ R23E}{C\ C}$   
 1931

from which

A fir, 6 ins. diam., bears S. 37° E., 126 lks. dist., mkd. T 4½ N R 23 E S 16 C C B T.

Chains.	<p>A pinon, 6 ins. diam., bears S. 32½° W., 19 lks. dist., mkd. T 4½ N R 23 E S 17 C C B T.</p> <p>From point of intersection the standard cor. of Tps. 5 N., Rs. 22 and 23 E., bears West, 11.24 chs. dist., an iron post, 3 ins. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.</p> <p>From the same point the standard ¼ sec. cor. of sec. 31, T. 5 N., R. 23 E., bears East, 28.76 chs. dist., an iron post, 1 in. diam., 12 ins. above ground, mkd. and witnessed as described in the official record.</p> <p>Land, mountainous. Soil, gravelly; 3rd rate. Timber, pine, fir, cedar, pinon, oak and juniper; undergrowth, scrub oak, mahogany, manzanita, willow, maple and bear grass.</p>
14.34	<p>Wire fence, bears S. 8° E., and N. 8° W., about 5 chs. dist., thence NW.</p>
34.10	<p>Draw, course SW.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor. with brass cap marked.</p> <p style="text-align: center;">¼ S31   S32 1931</p> <p style="text-align: right;">from which</p> <p>A juniper, 6 ins. diam., bears S. 30° E., 18¼ lks. dist., mkd. ¼ S 32 B T.</p> <p>A juniper, 12 ins. diam., bears N. 67¾° W., 139 lks. dist., mkd. ¼ S 31 B. T.</p> <p>Ascend 52 ft. over gradual SW. slope.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked.</p> <p style="text-align: center;">T 4½ N R 23 E S30   S29 S31   S32 1931</p> <p style="text-align: right;">from which</p> <p>A juniper, 12 ins. diam., bears N. 84½° E., 166 lks. dist., mkd. T 4½ N R 23 E S 29 B T.</p> <p>A juniper, 36 ins. diam., bears S. 58½° E., 187 lks. dist., mkd. T 4½ N R 23 E S 32 B T.</p> <p>A juniper, 10 ins. diam., bears S. 24¼° W., 132 lks. dist., mkd. T 4½ N R 23 E S 31 B T.</p> <p>A juniper, 8 ins. diam., bears N. 64° W., 84 lks. dist., mkd. T 4½ N R 23 E S 30 B T.</p>

Chains. Land, rolling.  
Soil, sandy and clay; 3rd rate.  
Timber, pine, oak, juniper and pinon; undergrowth, scrub oak, and grass.

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East, on a random line, bet. secs. 29 and 32.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect the cor. of secs. 28, 29, 32 and 33.

Thence

West, on a true line, bet. secs. 29 and 32.

Over rolling mesa land, through scattering timber and undergrowth.

5.00 Draw, course SW.; asc. 40 ft. over SE. slope.

7.00 Enter scattering timber, bears N. and S.

20.00 Leave scattering timber.; enter prairie land.

32.30 Wire fence, bears N. and S.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked

$\frac{1}{4}$  S 29  
 S 32  
 1931

raise a mound

of stone, 3 ft. base, 2 ft. high N. of cor.

50.00 Draw, course SW.

75.00 Leave prairie land.; enter scattering timber.

80.02 The cor. of secs. 29, 30, 31 and 32.

Land, rolling.  
Soil, clay and rocky; 3rd and 4th rates.  
Timber, pine, juniper and oak; undergrowth scrub oak and grass.

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West, on a random line, bet. secs. 30 and 31.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

77.92 Intersect W. bdy. of the Tp. at the cor. of secs. 25, 30, 31 and 36, hereinbefore described.

Thence

East, on a true line, bet. secs. 30 and 31.

Over rolling mesa land, through scattering timber and undergrowth.

Descend 44 ft. over E. slope.

8.12 Draw, course S.; asc. 12 ft.

30.42 Rocky wash, 30 lks. wide, course S.; asc. 45 ft. over gradual W. slope.

Chains  
37.92

Set an iron post, 3 ft. long, 1 in. diam., on solid rock, mkd. X, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap marked

$$\frac{1}{4} \begin{array}{l} \text{S } 30 \\ \text{S } 31 \\ 1931 \end{array}$$

from which

A yellow pine, 6 ins. diam., bears S. 76 $\frac{1}{4}$ ° W., 78 lks. dist., mkd.  $\frac{1}{4}$  S 31 B T.

A yellow pine, 6 ins. diam., bears N. 30 $\frac{1}{2}$ ° W., 87 lks. dist., mkd.  $\frac{1}{4}$  S 30 B T.

Ascend 81 ft. over gradual W. slope.

69.12 Wire fence, bears NE. and SW.

77.92 The cor. of secs. 29, 30, 31 and 32.

Land, rolling.

Soil, clay and stony; 3rd and 4th rates.

Timber, scattering pine, juniper, pinon and oak; undergrowth, scrub oak and grass.

N. 0° 3' W., bet. secs. 29 and 30.

Over rolling mesa land, through scattering timber and undergrowth.

Descend 51 ft. along W. slope.

4.20 Wire fence, bears NE. and SW.

27.20 Draw, course S. 70° W.; asc. 28 ft. gradually.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked
$$\frac{1}{4} \begin{array}{l} \text{S } 30 \mid \text{S } 29 \\ 1931 \end{array}$$

from which

A juniper, 36 ins. diam., bears N. 78° E., 85 lks. dist., mkd.  $\frac{1}{4}$  S 29 B T.

A juniper, 36 ins. diam., bears S. 8° W., 66 lks. dist., mkd.  $\frac{1}{4}$  S 30 B T.

50.00 Draw, course SW.; asc. 85 ft. over gradual S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, with brass cap marked

$$\begin{array}{l} \text{T } 4\frac{1}{2} \text{ N } \text{R } 23 \text{ E} \\ \text{S } 19 \mid \text{S } 20 \\ \text{S } 30 \mid \text{S } 29 \\ 1931 \end{array}$$

from which

A juniper, 50 ins. diam., bears N. 62 $\frac{3}{4}$ ° E., 44 lks. dist., mkd. T 4 $\frac{1}{2}$  N R 23 E S 20 B T.

Chains  
 A juniper, 10 ins. diam., bears S. 45 $\frac{1}{2}$ ° E., 176 lks. dist.,  
 mkd. T 4 $\frac{1}{2}$  N R 23 E S 29 B T.  
 A juniper, 36 ins. diam., bears S. 34° W., 44 lks. dist.,  
 mkd. T 4 $\frac{1}{2}$  N R 23 E S 30 B T.  
 A juniper, 10 ins. diam., bears N. 50 $\frac{3}{4}$ ° W., 200 lks. dist.,  
 mkd. T 4 $\frac{1}{2}$  N R 23 E S 19 B T.  
 Land, rolling.  
 Soil, clay and stony; 3rd and 4th rates.  
 Timber, scattering juniper and oak; undergrowth grass.

East, on a random line, bet. secs. 20 and 29.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.04 Intersect the cor. of secs. 20, 21, 28 and 29.  
 Thence  
 West, on a true line, bet. secs. 20 and 29.  
 Over rolling mesa land, through scattering timber and  
 undergrowth.  
 40.02 True point for  $\frac{1}{4}$  sec. cor. falls on ledge.  
 40.19 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the  
 ground to bedrock, and in a mound of stone to top, for  
 witness  $\frac{1}{4}$  sec. cor. with brass cap marked

S 20  
 $\frac{1}{4}$  ——— WC  
 S 29  
 1931

from which

A white oak, 10 ins. diam., bears N. 23° E., 51 lks. dist.,  
 mkd. W C  $\frac{1}{4}$  S 20 B T.  
 A yellow pine, 10 ins. diam., bears S. 36° W., 48 lks. dist.,  
 mkd. W C  $\frac{1}{4}$  S 29 B T.

45.24 Wash, 20 lks. wide, course S.  
 56.04 Wire fence, bears N. and S., on low ridge.  
 64.04 Draw, course S.  
 80.04 The cor. of secs. 19, 20, 29 and 30.  
 Land, rolling.  
 Soil, clay and stony; 3rd and 4th rates.  
 Timber, scattering pine, pinon, oak and juniper; undergrowth  
 scrub oak and grass.

West, on a random line, bet. secs. 19 and 30.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 77.80 Intersect W. bdy. of the Tp., at the cor. of secs. 19, 24, 25  
 and 30, hereinbefore described.  
 Thence  
 East, on a true line, bet. secs. 19 and 30.

Chains.. Over rolling mesa land, through scattering timber and undergrowth.

Descend 68 ft. over gradual E. slope.

37.80 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$   $\frac{S}{19}$   
 $\frac{S}{30}$   
 1931

from which

A juniper, 36 ins. diam., bears S.  $93\frac{3}{4}^{\circ}$  W., 210 lks. dist., mkd.  $\frac{1}{4}$  S 30 B T.

A juniper, 24 ins. diam., bears N.  $69\frac{1}{2}^{\circ}$  W., 452 lks. dist., mkd.  $\frac{1}{4}$  S 19 B T.

52.80 Head of draw, course NW.; asc. 79 ft. over gradual W. slope.

77.80 The cor. of secs. 19, 20, 29 and 30.

Land, rolling.  
 Soil, clay and stony; 3rd and 4th rates.  
 Timber, scattering juniper and oak; undergrowth, grass.

N.  $0^{\circ}3'$  W., bet. secs. 19 and 20.

Over rolling mesa land, through scattering timber and undergrowth.

15.09 Top of rim rocks, 75 ft. high, bears E. and W.; desc. 437 ft. over N. slope.

20.00 Continue descending along W. slope of spur.

36.03 Trail, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$   
 $\frac{S19}{S20}$   
 1931

from which

A pinon, 10 ins. diam., bears N.  $29^{\circ}$  E., 03 lks. dist., mkd.  $\frac{1}{4}$  S 20 B T.

A pinon, 11 ins. diam., bears S.  $47^{\circ}$  W., 42 lks. dist., mkd.  $\frac{1}{4}$  S 19 B T.

43.50 Wash, course NW.; desc. 263 ft. over W. slope.

79.50 Wash, 15 lks. wide, course, NE.

79.80 Same wash, course NW.

80.00 True point for cor. of secs. 17, 18, 19 and 20 falls on bank of wash, 20 lks. wide, course NW.

Land, rolling and mountainous.  
 Soil, clay and rocky; 3rd and 4th rates.  
 Timber, pine, fir, juniper and oak; undergrowth, scrub oak, mahogany, willow, maple and grass.

Chains. Thence From true point for cor. of secs. 17, 18, 19 and 20.  
 East, on a random line, bet. secs. 17 and 20.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.06 Intersect N. and S. line, 2 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence  
 S.  $89^{\circ}59'W.$ , on a true line, bet. secs. 17 and 20.  
 Over mountainous land, through scattering timber and dense undergrowth.  
 Descend 63 ft. over W. slope.

3.70 Trail, bears N. and S.

15.00 Draw, course N.  $30^{\circ}W.$ ; asc. 23 ft. over SE. slope.

20.00 Spur, slopes N.; desc. 30 ft. over NW. slope.

31.60 Wash, 10 lks. wide, course NE.; asc. 75 ft. over SE. slope.

40.03 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$   $\frac{S\ 17}{S\ 20}$   
 1931

from which

A white oak, 10 ins. diam., bears N.  $8^{\frac{3}{4}}W.$ , 159 lks. dist., mkd.  $\frac{1}{4}$  S 17 B T.

A cedar, 5 ins. diam., bears S.  $26^{\frac{1}{2}}W.$ , 13 lks. dist., mkd.  $\frac{1}{4}$  S 20 B T.

Ascend 11 ft. over NE. slope.

47.95 Old road, bears N. and S.

50.00 Spur, slopes NE.; desc. 311 ft. over NW. slope.

58.73 Continue descending over W. slope.

74.30 Gulch, 10 lks. wide, course NW.; asc. 31 ft. over NE. slope.

80.06 The cor. of secs. 17, 18, 19 and 20.

Land, mountainous.  
 Soil, rocky; 4th rate.  
 Timber, pine, oak, pinon, cedar and juniper; undergrowth, scrub oak, mahogany and second growth juniper.

Thence From true point for cor. of secs. 17, 18, 19 and 20.  
 West, on a random line, bet. secs. 18 and 19.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

77.73 Intersect the W. bdy. of the Tp. at the cor. of secs. 13, 18, 19 and 24, hereinbefore described.

Thence

Chains East, on a true line, bet. secs. 18 and 19.

Over mountainous land, through scattering timber and dense undergrowth.

Descend 138 ft. over SE. slope.

14.03 Old road, bears NE. and SW.

17.23 Wash, 20 lks. wide, course NE.; asc. 24 ft.

18.93 Spur, slopes N.; desc. 76 ft. over NE. slope.

22.83 Ravine, course N.; asc. 154 ft. over W. slope.

23.43 Old road, bears N. 10° E., and S. 10° W.

24.93 Old road, bears N. and S.

37.73 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap marked.

$\frac{1}{4}$  S 18  


---

S 19  
1931

from which

A pinon, 10 ins. diam., bears N. 7 $\frac{1}{4}$ ° E., 41 lks. dist., mkd.  
 $\frac{1}{4}$  S 18 B T.

A pinon, 4 ins. diam., bears S. 1 $\frac{1}{2}$ ° E., 19 lks. dist., mkd.  
 $\frac{1}{4}$  S 19 B T.

Descend 44 ft. over NE. slope.

49.93 Wash, 10 lks. wide, course N.; asc. 174 ft. over NW. slope.

65.53 Spur, slopes N. 25° W.; desc. 59 ft. over E. slope.

77.43 Wash, 30 lks. wide, course NW.

77.73 The true point for cor. of secs. 17, 18, 19 and 20.

Land, mountainous.  
Soil, rocky; 4th rate.  
Timber, pine, fir, cedar, pinon and oak; undergrowth, scrub oak, mahogany, willow and grass.

From true point for cor. of secs. 17, 18, 19 and 20.

N. 0° 3' W., bet. secs. 17 and 18.

0.16 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for witness cor. to secs. 17, 18, 19 and 20, with brass cap marked.

T 4 $\frac{1}{2}$  N R 23 E  
S 18 | S 17  
S 19 | S 20  
W C  
1931

from which

A fir, 6 ins. diam., bears N. 15 $\frac{3}{4}$ ° E., 55 lks. dist., mkd.  
W C T 4 $\frac{1}{2}$  N R 23 E S 17 B T.

A fir, 24 ins. diam., bears S. 64 $\frac{1}{2}$ ° E., 109 lks. dist., mkd.  
W C T 4 $\frac{1}{2}$  N R 23 E S 20 B T.



Chains.

A fir, 12 ins. diam., bears S. 21° W., 183 lks. dist., mkd.  
W C T 4 1/2 N R 23 E S 19 B T.

A fir, 5 ins. diam., bears N. 3° W., 45 lks. dist., mkd. W C  
T 4 1/2 N R 23 E S 18 B T.

Descend 81 ft. along W. slope.

5.51 Wash, 20 lks. wide, course NE.

9.50 Same wash, course NW.; asc. 15 ft. over SW. slope.

13.30 Spur, slopes NW.; desc. 59 ft. over NW. slope.

17.34 Ravine, course W.; asc. 26 ft. over SW. slope.

22.80 Spur, slopes W.; desc. 79 ft. over NW. slope.

30.15 Ravine, course W.; asc. 80 ft. over SW. slope.

37.50 Spur, slopes NW.; desc. 9 ft. over NE. slope.

38.51 Intersect the First Standard Parallel North.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
ground, for closing cor. of secs. 17 and 18, with brass  
cap marked.

T5NR22E	
S 36	
S18	S17
T4 1/2 N	R23E
C C	
1931	

from which

A pinon, 10 ins. diam., bears S. 63° E., 38 lks. dist., mkd.  
T 4 1/2 N R 23 E S 17 C C B T.

A pinon, 10 ins. diam., bears S. 18 1/2° W., 79 lks. dist., mkd.  
T 4 1/2 N R 23 E S 18 C C B T.

From point of intersection the standard cor. of secs. 35  
and 36, T. 5 N., R. 22 E. bears West, 11.35 chs. dist., an iron  
post, 2 ins. diam., 12 ins. above ground, mkd. and witnessed  
as described in the official record.

From the same point the standard 1/4 sec. cor. of sec. 36, T.  
5 N., R. 22 E., bears East, 28.65 chs. dist., an iron post, 1 in.  
diam., 12 ins. above ground, mkd. and witnessed as described  
in the official record.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pine, fir, oak, cedar, pinon and juniper; undergrowth,  
scrub oak, mahogany, maple and second growth juniper.

FINAL TEST OF SOLAR ATTACHMENT.

June 13, 1931, at camp near the standard cor. of secs. 35  
and 36, T. 5 N., R. 22 E., in latitude 33° 46' 33" N., longitude  
109° 59' 14" W., at 7h 23m 40s p.m., l.m.t., make an hour  
angle observation on Polaris, west of the meridian, two  
each with the telescope in direct and reversed positions,  
marking the mean point in the line thus determined on a  
peg driven firmly in the ground 10 chs. N. of station.

June 14, 1931, lay off the azimuth of Polaris 15' 24" to  
the east, and mark the meridian thus determined, by a tack  
in a peg driven firmly in the ground 10 chs. N.

At 7h 15m a.m., app. t., set off  $33^{\circ}46\frac{1}{2}'$  N., on the lat. arc;  $23^{\circ}15\frac{1}{2}'$  N., on the decl. arc; and determine a meridian with the solar, which is found to agree with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $23^{\circ}15\frac{1}{2}'$  N., which agrees with the computed declination of the sun.

At 4h 20m p.m., app. t., with the lat. arc unchanged, set off  $23^{\circ}16\frac{1}{2}'$  N., on the decl. arc; and determine a meridian with the solar, which is found to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within 1' of the true meridian, conclude that the adjustments of the instrument has been maintained in satisfactory adjustment.

#### GENERAL DESCRIPTION.

A considerable variety of land and soil is found in T.4½ N., R.23 E. The general elevation of the township is about 5500 ft. above sea level. The north and eastern portions of the township is rough and mountainous. The soil is sandy loam and rocky; 2nd and 4th rates., covered with scattering pine, fir, oak, juniper and pinon, and a heavy growth of scrub oak, mahogany, maple, willow, manzanita and second growth juniper. The southwestern portion of the township is rolling mesa land, The soil is sandy loam and clay covered with volcanic stones, 1st and 4th rates. The timber is scattering pine oak, juniper and pinon, with scattering scrub oak and heavy growth of grass.

Seven Mile Creek, traverses through the township, entering the township near the  $\frac{1}{4}$  sec. cor. of sec. 24 on the E. bdy. of the Tp., and leaving the township near the closing cor. of secs. 15 and 16. There is found along Seven Mile Creek, cottonwood, maple and black walnut. A good road traverses along Seven Mile Creek, from Fort Apache to Bonito Creek. The land within the township is used for grazing purposes. Corn is generally raised on the small tracts of land in secs. 15, 16, 23 and 26, by the Apache Indians.

E.C.C.K. 3933

4-680  
(August, 1926)

**FIELD ASSISTANTS.**  
to  
**William E. Hiester U.S. Surveyor**

NAMES.	CAPACITY.
John B. McClung	1st Chairman
Owen B. Wright	2nd Chairman
Ivan Dial	Cornerman
Calvin McClung	Axman
Kenneth Linscott	Flagman

50 OOK 3933

CERTIFICATE OF UNITED STATES SURVEYOR

I, William E. Hiester, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 165 Arizona bearing date of the 16th day of October, 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 the East Boundary South Boundary West Boundary and Subdivision Lines of Fractional Township 4 1/2 North, Range 23 East of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 2 hereof 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 Group 165 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Phoenix, Arizona.

William E. Hiester

U. S. Surveyor.

Date: November 16, 1931.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., May 25, 1932.

The foregoing field notes of the survey of the East Boundary

South Boundary

West Boundary and

Subdivision Lines of

Fractional Township 4 1/2 North, Range 23 East

of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by William E. Hiester U.S. Surveyor

under his special instructions dated Oct. 16, 1930 for Group 165 Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Walter A. Johnson

U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above described surveys in has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.