

# FIELD NOTES

OF THE SURVEY OF THE

North and West boundaries

and

Subdivisional lines

of

Fractional Township 10 North, Range 16 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Charles E. Hunter, U.S. Transitman

In the capacity of U. S. Surveyor, under Special Instructions dated June 18, 1934, issued by the District Cadastral Engineer to govern surveys included in Group No. 191, which were approved by the Commissioner of the General Land Office, July 6, 1934, and Assignment Instructions dated August 22, 1935.

Survey commenced October 5, 1935.

Survey completed October 26, 1935.

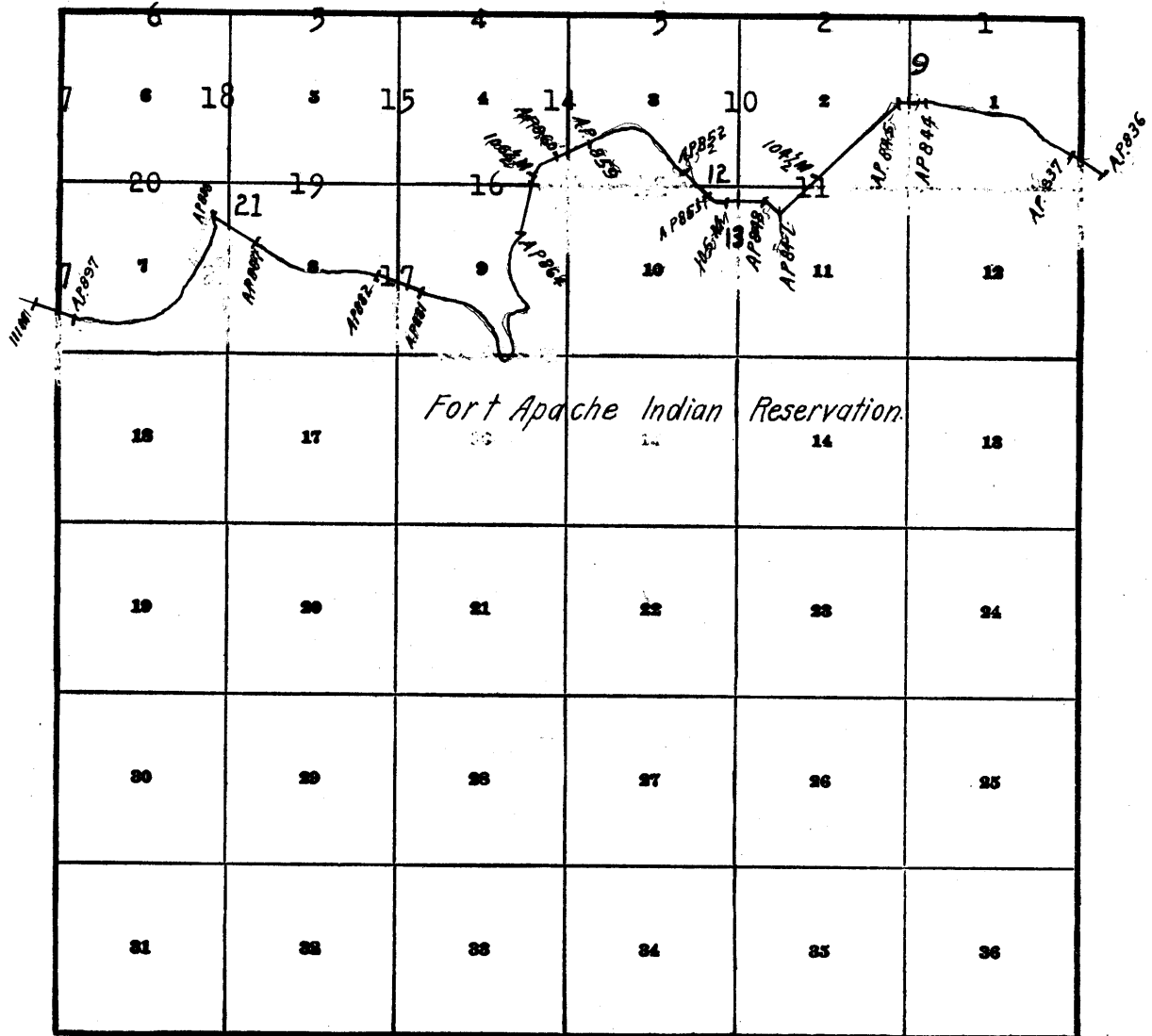
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# INDEX DIAGRAM.

Township 10 North, Range 16 East



North boundary of frac. T. 10 N., R. 16 E.

Chains

The surveys herein described were executed with a Gurley solar transit, No. 20120, property of the General Land Office. This instrument and the auxiliary equipment used in the surveys, together with the instrumental tests, are described in the field notes of the west boundary of T. 11 N., R. 18 E., resurveyed under this group.

From the cor. of Tps. 10 and 11 N., Rs. 16 and 17 E., described in the field notes of the south bdy. of T. 11 N., R. 17 E., surveyed under this group.

West, bet. secs. 1 and 36.

Ascend slightly over NE. slope, through heavy timber and scattering undergrowth.

- 2.00 Low spur, slopes N.; desc. 28 ft.
- 12.00 Spring branch, 2 lks. of water, course N.; asc. 41 ft.
- 28.70 Low spur, slopes NE.; desc. 15 ft.
- 34.90 Spring branch, 2 lks. of water, course NE.; asc. 21 ft.
- 40.00 True point for the  $\frac{1}{4}$  sec. cor. falls in gully, course SE., an unsuitable place for a permanent cor.
- 40.30 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for witness  $\frac{1}{4}$  sec. cor., with brass cap mkd.

$\frac{1}{4}$   $\frac{S\ 36}{S\ 1}$  W C  
1935

from which

A pine, 10 ins. diam., bears N. 18° 15' E., 65 lks. dist., mkd. W C  $\frac{1}{4}$  S 36 B T.

A pine, 12 ins. diam., bears S. 34° 30' E., 53 lks. dist., mkd. W C  $\frac{1}{4}$  S 1 B T.

Ascend 72 ft. over rocky NE. slope.

- 54.10 Thence over E. slope, asc. 84 ft.
- 67.53 Thence over NE. slope, asc. 83 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, with brass cap mkd.

T 11 N | R 16 E  
S 35 | S 36  
S 2 | S 1  
TION  
1935

from which

A pine, 8 ins. diam., bears N. 12° 30' E., 70 lks. dist., mkd. T 11 N R 16 E S 36 B T.

A pine, 14 ins. diam., bears S. 21° 45' E., 61 lks. dist., mkd. T 10 N R 16 E S 1 B T.

A pine, 13 ins. diam., bears S. 78° 30' W., 68 lks. dist., mkd. T 10 N R 16 E S 2 B T.

A pine, 12 ins. diam., bears N. 24° 30' W., 42 lks. dist., mkd. T 11 N R 16 E S 35 B T.

Land, rolling.

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North boundary of frac. T. 10 N., R. 16 E.

Chains

Soil, sandy clay loam; rocky; 2nd and 3rd rate. Timber, pine, fir, oak and scattering juniper; undergrowth oak and second growth pine and fir.

West, bet. secs. 2 and 35.

Over rocky NE. slope, through heavy timber and scattering undergrowth.

6.00 Top of divide, bears NW. and SE. Road follows divide.

Descend 89 ft. over SW. slope.

18.30 Ravine, course SW.; asc. 48 ft. over SE. slope.

24.20 Spur, slopes S.; desc. 82 ft. over SW. slope.

29.70 Gulch, course S.; asc. 113 ft. over E. slope.

38.60 Spur, slopes S.; desc. slightly.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, in a small mound of stone, for 1/4 sec. cor., with brass cap mkd.

1/4 S 35

S 2

1935

from which

A pine, 6 ins. diam., bears S. 17° 30' W., 36 lks. dist., mkd. 1/4 S 2 B T.

A pine, 16 ins. diam., bears N. 51° 45' W., 59 lks. dist., mkd. 1/4 S 35 B T.

Descend 57 ft. over SW. slope.

55.00 Head of gulch, course S.; asc. 74 ft.

60.40 Road, bears NE. and SW.

69.90 Top of divide, bears N. and S.; desc. 86 ft. over W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with brass cap mkd.

T 11 N R 16 E

S 34 S 35

S 3 S 2

T 10 N

1935

from which

A pine, 6 ins. diam., bears N. 39° 45' E., 77 lks. dist., mkd. T 11 N R 16 E S 35 B T.

A pine, 10 ins. diam., bears S. 48° 30' E., 72 lks. dist., mkd. T 10 N R 16 E S 2 B T.

A pine, 14 ins. diam., bears S. 38° W., 72 lks. dist., mkd. T 10 N R 16 E S 3 B T.

A pine, 12 ins. diam., bears N. 50° 15' W., 61 lks. dist., mkd. T 11 N R 16 E S 34 B T.

North boundary of frac. T. 10 N., R. 16 E. BOOK 4105

## Chains

Land, rolling.  
Sandy loam; rocky; 3rd and 4th rate.  
Timber, pine, oak and fir; undergrowth; second pine and fir.

West, bet. secs. 3 and 34.

Over rocky NW. slope, through heavy timber, desc. 40 ft.

2.20 Gulch, course N.; asc. 26 ft.

4.60 Point of spur, slopes N.; desc. 12 ft.

7.90 Junction of gulches from W. and SW.; thence course NE.; asc. 37 ft.

19.60 Leave gulch, course from SW. to E.; asc. 150 ft. over general SE. slope.

23.70 Gulch, course SE.

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 mkd.

$$\frac{1}{4} \begin{array}{l} S 34 \\ S 3 \end{array}$$

1935

from which

A pine, 15 ins. diam., bears N.  $31^{\circ} 45'$  E., 43 lks. dist., mkd.  $\frac{1}{4}$  S 34 B T.

A pine, 14 ins. diam., bears S.  $31^{\circ}$  W., 72 lks. dist., mkd.  $\frac{1}{4}$  S 3 B T.

Ascend 43 ft. over SE. slope.

49.80 Head of ravine, course SE.; thence over E. slope, asc. 85 ft.

56.70 Ridge, bears N.  $10^{\circ}$  E. and S.; desc. 29 ft. over NW. slope.

64.20 Ascend 20 ft. over NE. slope.

76.00 Thence over NW. slope, desc. 86 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap mkd.

$$\begin{array}{c} T 11 N R 16 E \\ S 33 S 34 \\ S 4 S 3 \\ \text{TION} \\ 1935 \end{array}$$

from which

A pine, 24 ins. diam., bears N.  $29^{\circ}$  E., 50 lks. dist., mkd. T 11 N R 16 E S 34 B T.

A pine, 8 ins. diam., bears S.  $47^{\circ} 30'$  E., 21 lks. dist., mkd. T 10 N R 16 E S 3 B T.

A pine, 15 ins. diam., bears S.  $38^{\circ} 30'$  W., 24 lks. dist., mkd. T 10 N R 16 E S 4 B T.

A pine, 5 ins. diam., bears N.  $45^{\circ}$  W., 27 lks. dist.,

North boundary of frac. T. 10 N., R. 16 E.

Chains

mkd. T 11 N R 16 E S 33 B T.

Land, rolling.

Soil, sandy loam; rocky; 2nd and 3rd rate.

Timber, pine, oak and fir; undergrowth, second growth pine and fir.

West, bet. secs. 4 and 33.

Over NW. slope, through heavy timber, desc. 60 ft.

8.30 Gulch, course NE.; asc. 120 ft. over SE. slope.

17.60 Spur, slopes N.; desc. 175 ft. over broken W. slope.

29.80 Gulch, course N.; asc. 111 ft. over NE. slope.

38.50 Spur, slopes N.; desc. slightly over NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.
$$\frac{1}{4} \begin{array}{l} \text{S } 33 \\ \hline \text{S } 4 \\ 1935 \end{array}$$

from which

A pine, 24 ins. diam., bears N. 11° 30' E., 168 lks. dist., mkd.  $\frac{1}{4}$  S 33 B T.A pine, 14 ins. diam., bears S. 29° W., 32 lks. dist., mkd.  $\frac{1}{4}$  S 4 B T.

Descend 52 ft. over rocky NW. slope.

50.40 Gulch, course NE.; asc. over broken SE. slope, 243 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, with brass cap mkd.

$$\begin{array}{l} \text{T } 11 \text{ N } \text{R } 16 \text{ E} \\ \text{S } 32 \text{ S } 33 \\ \hline \text{S } 5 \text{ S } 4 \\ \text{TION} \\ 1935 \end{array}$$

from which

A pine, 5 ins. diam., bears N. 12° 15' E., 40 lks. dist., mkd. T 11 N R 16 E S 33 B T.

A pine, 14 ins. diam., bears S. 67° E., 68 lks. dist., mkd. T 10 N R 16 E S 4 B T.

A pine, 15 ins. diam., bears S. 40° 30' W., 74 lks. dist., mkd. T 10 N R 16 E S 5 B T.

A pine, 5 ins. diam., bears N. 73° 30' W., 33 lks. dist., mkd. T 11 N R 16 E S 32 B T.

Land, rolling and mountainous.

Soil, sandy and gravelly loam; rocky; 2nd and 3rd rate.

Timber, pine, oak and fir; undergrowth, second growth pine and fir.

## North boundary of frac. T. 10 N., R. 16 E.

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## Chains

West, bet. secs. 5 and 32.

Over gentle SE. slope, through heavy timber, asc. slightly.

5.00 Top of ascent; desc. 42 ft. over W. slope.

13.00 Thence over NW. slope, desc. 30 ft.

13.94 Game refuge fence, bears NW. and SE.

23.90 Foot of slope, asc. 28 ft. over NE. slope.

28.70 Spur, slopes N.; desc. 129 ft. over W. slope.

39.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, in a mound of stone to top, for witness  $\frac{1}{4}$  sec. cor., with brass cap mkd.
$$\begin{array}{r} \text{W C } \frac{1}{4} \text{ S } 32 \\ \text{S } 5 \\ 1935 \end{array}$$

from which

A pine, 12 ins. diam., bears N.  $26^{\circ} 30'$  E., 43 lks. dist., mkd. W C  $\frac{1}{4}$  S 32 B T.A pine 5 ins. diam., bears S.  $74^{\circ} 15'$  E., 75 lks. dist., mkd. W C  $\frac{1}{4}$  S 5 B T.

Descend 23 ft.

39.80 Ravine, course N.; asc. 50 ft. over E. slope.

40.00 True point for the  $\frac{1}{4}$  sec. cor. falls on sloping ground, where a post would be insecure.

43.15 Spur, slopes N.; desc. 77 ft. over NW. slope.

49.50 Gulch, course NE. for 1 ch. dist., thence N.; asc. 167 ft. over SE. slope.

61.40 Spur, slopes NE.; desc. 23 ft. over NW. slope.

67.90 Thence over NE. slope, asc. 34 ft.

76.20 Spur, slopes N.; desc. 7 ft. over W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

$$\begin{array}{r} \text{T 11 N R 16 E} \\ \text{S 31 S 32} \\ \hline \text{S 6 S 5} \\ \text{TION} \\ 1935 \end{array}$$

from which

A pine, 20 ins. diam., bears N.  $27^{\circ} 30'$  E., 63 lks. dist., mkd. T 11 N R 16 E S 32 B T.A pine, 12 ins. diam., bears S.  $56^{\circ} 15'$  E., 53 lks. dist., mkd. T 10 N R 16 E S 5 B T.A pine, 8 ins. diam., bears S.  $21^{\circ} 45'$  W., 54 lks. dist., mkd. T 10 N R 16 E S 6 B T.A pine, 30 ins. diam., bears N.  $48^{\circ} 30'$  W., 65 lks. dist., mkd. T 11 N R 16 E S 31 B T.

Land, rolling.

North boundary of frac. T. 10 N., R. 16 E.

## Chains

Soil, sandy and gravelly loam; rocky; 2nd and 3rd rate.  
Timber, pine, oak, fir and spruce; undergrowth, oak brush  
and second growth pine and fir.

West, bet. secs. 6 and 31.

Over rocky W. slope, through heavy timber, desc. 157 ft.

8.70 Gulch, course N.; asc. 181 ft. over E. slope.

20.50 Spur, slopes N.; desc. 119 ft. over NW. slope.

33.70 Gulch, course NE.; asc. 113 ft. over broken E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the  
ground, in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with  
brass cap mkd.

$\frac{1}{4}$  S 31  
S 6  
1935

from which

A pine, 13 ins. diam., bears N. 13° 30' E., 55 lks.  
dist., mkd.  $\frac{1}{4}$  S 31 B T.

A pine, 12 ins. diam., bears S. 0° 30' W., 94 lks.  
dist., mkd.  $\frac{1}{4}$  S 6 B T.

Ascend 23 ft. over E. slope.

50.00 Thence over gentle rolling ground.

59.30 Descend 31 ft. over NW. slope.

62.60 Thence along N. slope.

69.00 Ascend 27 ft. over NE. slope.

70.80 Thence along N. slope.

78.30 Descend 29 ft. over W. slope.

79.00 Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the  
ground, for cor. of Tps. 10 and 11 N., R. 16 E., with brass  
cap mkd.

T 11 N  
R 16 E  
S 31  
S 6  
T 10 N

1935

from which

A pine, 8 ins. diam., bears N. 16° E., 13 lks. dist.,  
mkd. T 11 N R 16 E S 31 B T.

A pine, 14 ins. diam., bears S. 25° 30' E., 52 lks.  
dist., mkd. T 10 N R 16 E S 6 B T.

Land, rolling.

Soil, sandy loam; rocky; 2nd and 3rd rate.

Timber, pine, oak, fir and spruce; undergrowth, oak and  
second growth pine and fir.



West boundary of frac. T. 10 N., R. 16 E.

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## Chains

From the cor. of Tps. 10 and 11 N., R. 16 E., hereinbefore described.

South, on the west bdy. of sec. 6.

Over rocky NW. slope, through heavy timber and scattering undergrowth, asc. 35 ft.

8.50 Top of ascent; thence over gentle S. slope, desc. 22 ft.

15.70 Graded road, bears S. 65° W. and N. 65° E.

24.50 Thence over SW. slope, desc. 82 ft.

33.60 Gulch, course SE.; asc. 20 ft. over NE. slope.

36.40 Ravine, course NE.; thence over N. slope, asc. 50 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 6, with brass cap mkd.

|  $\frac{1}{4}$   
| S 6

1935

from which

A pine, 8 ins. diam., bears N. 27° 15' E., 67 lks. dist., mkd.  $\frac{1}{4}$  S 6 B T.

A pine, 10 ins. diam., bears S. 54° E., 93 lks. dist., mkd.  $\frac{1}{4}$  S 6 B T.

Ascend slightly over NE. slope.

50.75 Blazed truck trail, bears NW. and SE.

Descend 35 ft. over gradual S. slope.

63.50 From this point, head of ravine, bears W. 1 ch. dist., course SW.; ascend over gentle NW. slope.

70.00 Top of ascent; thence over gentle SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, in a small mound of stone, for cor. of secs. 6 and 7, with brass cap mkd.

| T 10 N  
S 6
S 7
R 16 E

1935

from which

A pine, 8 ins. diam., bears N. 27° 15' E., 67 lks. dist., mkd. T 10 N R 16 E S 6 B T.

A pine, 10 ins. diam., bears S. 54° E., 93 lks. dist., mkd. T 10 N R 16 E S 7 B T.

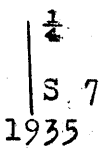
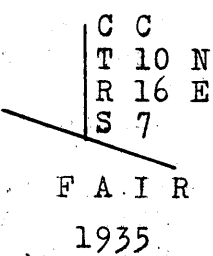
Land, rolling.

Soil, sandy and gravelly loam; rocky; 3rd rate.

Timber, pine, fir and oak; undergrowth, second growth pine and oak.

South, on the west bdy. of sec. 7.

## West boundary of frac. T. 10 N., R. 16 E.

Chains	
	Over rocky SE. slope, through heavy timber and scattering undergrowth, desc. 45 ft.
1.50	Blazed truck trail, bears NE. and SW.
15.00	Thence over S. slope, desc. 45 ft.
21.90	Same truck trail, bears NW. and SE.
27.50	Thence over SW. slope, desc. 119 ft.
32.90	Ravine, course SE.; asc. 25 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec, cor. of sec. 7, with brass cap mkd.
	
	from which
	A pine, 8 ins. diam., bears N. 49° 45' E., 49 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.
	A pine, 10 ins. diam., bears S. 18° 45' E., 132 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.
	Ascend 17 ft. over rocky NE. slope.
50.00	Top of ascent; thence over SE. slope, desc. 65 ft.
60.16	Intersect boundary of the Fort Apache Indian Reservation.
	At point of intersection:
	Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground, for closing cor. of Tp. 10 N., R. 16 E., with brass cap mkd.
	
	from which
	A pine, 8 ins. diam., bears N. 54° 15' E., 127 lks. dist., mkd. T 10 N R 16 E S 7 C C B T.
	A pine, 10 ins. diam., bears S. 79° 15' E., 84 lks. dist., mkd. T 10 N R 16 E S 7 C C B T.
	From the closing township cor., the 111 mile monument of the Fort Apache Indian Reservation, bears N. 68° 52' W., 8.09 chs. dist., a quartzite stone, 15 x 8 x 8 ins. above ground, mkd. N B W M I R 111 M on S. face.
	from which
	A pine, 8 ins. diam., bears S. 33° 30' E., 43 lks. dist., mkd. N B W M I R 111 M.
	A pine, 12 ins. diam., bears S. 20° W., 33 lks. dist., mkd. N B W M I R 111 M.
	A pine, 10 ins. diam., bears S. 83° 30' W., 26 lks. dist., mkd. N B W M I R 111 M.

West boundary of frac. T. 10 N., R. 16 E. 1800 4105

## Chains

From same cor., angle point No. 897 of the Fort Apache Indian Reservation; bears S. 68° 52' E., 13.26 chs. dist., a quartzite stone, 13 x 10 x 5 ins. above ground, with illegible markings on N. face, set in a small mound of stone.

from which

A pine, 12 ins. diam., bears S. 81° W., 28 lks. dist., with grown over blaze which is not opened.

A pine, 13 ins. diam., bears N. 37° W., 72 lks. dist., mkd. A P 897 B T.

Land, rolling.

Soil, sandy loam; rocky; 2nd and 3rd rate.

Timber, pine, oak and fir; undergrowth, oak brush and second growth pine.

Subdivision of frac. T. 10 N., R. 16 E.

From the cor. of secs. 1, 2, 35 and 36, on the north bdy. of the township, hereinbefore described.

S. 0° 01' E., bet. secs. 1 and 2.

Over rocky NE. slope, through heavy timber and scattering undergrowth, asc. 9 ft.

3.50 Ridge, bears NW. and SE.; thence over nearly level ground.

6.20 Road, bears NW. and SE.; desc. over gradual S. slope, 92 ft.

19.86 Gulch, course SE.; asc. 28 ft.

28.50 Spur, slopes SE.; thence over gentle SE. 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 mkd.

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 2 \mid \text{S } 1 \\ 1935 \end{array}$$

from which

A pine, 12 ins. diam., bears S. 82° 30' E., 15 lks. dist., mkd.  $\frac{1}{4}$  S 1 B T.

A pine, 10 ins. diam., bears S. 51° 30' W., 46 lks. dist., mkd.  $\frac{1}{4}$  S 2 B T.

Descend 10 ft. over gentle SE. slope.

44.86 Wire fence, bears E. and W.

45.53 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to bedrock, in a small mound of stone, for closing cor. of secs. 1 and 2, with brass cap mkd.

## Subdivision of frac. T. 10 N., R. 16 E.

Chains

	C	C	
T 10	N	R 16	E
S 2	S	S 1	
F A I R			
1935			

from which

A pine, 18 ins. diam., bears N.  $24^{\circ}$  E., 73 lks. dist.,  
mkd. T 10 N R 16 E S 1 C C B T.

A pine, 12 ins. diam., bears N.  $28^{\circ} 45'$  W., 133 lks.  
dist., mkd. T 10 N R 16 E S 2 C C B T.

From the closing cor. of secs. 1 and 2, angle point No. 844 of the Fort Apache Indian Reservation, bears N.  $88^{\circ} 23'$  E., 4.38 chs. dist., a pine 20 ins. diam., mkd. A P N B W M I R 844 on S. face and B M F R on N.

From same cor., angle point No. 845 of the Fort Apache Indian Reservation, bears S.  $88^{\circ} 23'$  W., 3.73 chs. dist., a pine, 36 ins. diam., mkd. A P N B W M I R 845 on S. face and B M F R on N.

Land, gently rolling.

Soil, gravelly loam; rocky; 3rd rate.

Timber, pine, fir, oak and aspen; undergrowth, second growth pine.

From the cor. of secs. 2, 3, 34 and 35, on the north bdy. of the township, hereinbefore described.

S.  $0^{\circ} 01'$  E., bet. secs. 2 and 3.

Over SW. slope, through heavy timber and scattering undergrowth, desc. 23 ft.

4.00 Gulch, course NW.; asc. 137 ft. over gradual NE. slope.

23.40 Road, bears NE. and W.

24.90 Ridge, bears E. and W.; desc. 103 ft. over S. slope.

33.30 Gulch, course from W. to SE.; asc. 84 ft. over broken NE. 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 mkd.

	$\frac{1}{4}$	
S 3	S 2	
1935		

from which

A pine, 10 ins. diam., bears S.  $86^{\circ} 45'$  E., 76 lks. dist., mkd.  $\frac{1}{4}$  S 2 B T.

A pine, 14 ins. diam., bears S.  $78^{\circ} 30'$  W., 64 lks. dist., mkd.  $\frac{1}{4}$  S 3 B T.

Ascend slightly.

45.00 Top of ascent; desc. 145 ft. over S. slope.

53.80 Gulch; course E.; asc. 117 ft. over NE. slope.

74.30 Ridge, bears SE. and NW.

## Subdivision of frac. T. 10 N., R. 16 E.

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Chains  
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone to top, for cor. of secs. 2, 3, 10 and 11, with brass cap mkd.

T 10 N	R 16 E
S 3	S 2
S 10	S 11
1935	

from which

A pine, 7 ins. diam., bears N. 31° 45' E., 40 lks. dist., mkd. T 10 N R 16 E S 2 B T.

A pine, 9 ins. diam., bears S. 37° 45' E., 43 lks. dist., mkd. T 10 N R 16 E S 11 B T.

A pine, 12 ins. diam., bears S. 23° W., 28 lks. dist., mkd. T 10 N R 16 E S 10 B T.

A pine, 7 ins. diam., bears N. 34° 30' W., 111 lks. dist., mkd. T 10 N R 16 E S 3 B T.

Land, rolling.

Soil, sandy and clay loam; rocky; 2nd and 3rd rate.

Timber, pine, fir, spruce and oak; undergrowth, second growth pine and fir.

East, bet. secs. 2 and 11.

Over rocky SW. slope, through heavy timber, asc. 20 ft.

3.10 Spur, slopes S.; thence over general E. slope, desc. 200 ft.

31.46 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 29 ins. in the ground, for closing cor. of secs. 2 and 11, with brass cap mkd.

T 10 N	
C C	S 2
	S 11
R 16 E	F A I R

1935

from which

A pine, 12 ins. diam., bears S. 74° W., 64 lks. dist., mkd. T 10 N R 16 E S 11 C C B T.

A pine, 7 ins. diam., bears N. 63° 30' W., 31 lks. dist., mkd. T 10 N R 16 E S 2 C C B T.

From the closing cor. of secs. 2 and 11, the 104½ mile monument of the Fort Apache Indian Reservation, bears N. 48° 40' E., 2.71 chs. dist., a sandstone, 12 x 5 x 8 ins. above ground, mkd. 104½ M on SE. face and N B W M I R on NE.

from which

A dead pine, 16 ins. diam., bears N. 22° 45' E., 53 lks. dist., mkd. N B W M I R 104½ M B T.

A pine, 24 ins. diam., bears N. 50° 45' E., 63 lks.

## Subdivision of frac. T. 10 N., R. 16 E.

## Chains

dist., mkd. N B W M I R 104 $\frac{1}{2}$  M B T.

A pine, 18 ins. diam., bears S. 6° E., 17 lks. dist.,  
mkd. N B W M I R 104 $\frac{1}{2}$  M B T.

A pine, 14 ins. diam., bears S. 61° W., 46 lks. dist.,  
mkd. N B W M I R 104 $\frac{1}{2}$  M B T.

From same cor., angle point No. 847 of the Fort Apache  
Indian Reservation, bears S. 48° 40' W., 13.40 chs. dist.,  
which is a point reestablished from bearing trees;

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
ground, for angle point No. 847 with brass cap mkd.

T 10 N R 16 E  
S 11

A P 847

1935

from which

A pine, 12 ins. diam., bears N. 43° 45' W., 71 lks.  
dist., mkd. A P W M I R 847. B T.

A pine, 20 ins. diam., bears N. 3° 45' W., 52 lks.  
dist., mkd. A P W M I R 847 B T.

Land, rolling and mountainous.  
Soil, sandy and clay loam; rocky; 2nd and 3rd rate.  
Timber, pine, fir, spruce and aspen; undergrowth, second  
growth pine and fir.

From the cor. of secs. 2, 3, 10 and 11.

West, bet. secs. 3 and 10.

Over rocky SW. slope, through heavy timber, desc. 72 ft.

5.40 Gulch, course SE.; asc. 135 ft. over NE. slope.

15.90 Thence over E. slope, asc. 13 ft.

18.18 Wire fence, bears NW. and SE.

18.38 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for closing cor. of secs. 3 and 10, with brass cap  
mkd.

T 10 N R 16 E  
F A I R  $\frac{S 3}{S 10}$  C C

1935

from which

A pine, 10 ins. diam., bears N. 59° 45' E., 120 lks.  
dist., mkd. T 10 N R 16 E S 3 C C B T.

A pine, 18 ins. diam., bears S. 67° 30' E., 154 lks.  
dist., mkd. T 10 N R 16 E S 10 C C B T.

From the closing cor. of secs. 3 and 10, angle point No.  
851 of the Fort Apache Indian Reservation, bears S. 55°

Subdivision of frac. T. 10 N., R. 16 E.

BOOK 4105

## Chains

05' E., 2.62 chs. dist., a pine, 25 ins. diam., mkd. A P N B W M I R 851 on S. face, and B M F R on N.

From same cor., angle point No. 852 of the Fort Apache Indian Reservation, bears N. 55° 05' W., 1.60 chs. dist., a pine, 17 ins. diam., mkd. A P N B W M I R on S. face, and B M F R on N.

Land, rolling.

Soil, sandy and gravelly loam; rocky; 2nd and 3rd rate. Timber, pine and fir; undergrowth; second growth pine.

From the cor. of secs. 2, 3, 10 and 11.

S. 0° 01' E., bet. secs. 10 and 11.

Over rocky SW. slope, through heavy timber, desc. 40 ft.

2.65 Wire fence, bears E. and W.

2.83 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to bedrock, in a mound of stone to top, for closing cor. of secs. 10 and 11, with brass cap mkd.

	C	C	
T 10 N	R	16 E	
S 10	S	11	
F A I R			
1935			

from which

A pine, 8 ins. diam., bears N. 59° E., 59 lks. dist., mkd. T 10 N R 16 E S 11 C C B T.

A pine, 8 ins. diam., bears N. 63° 30' W., 101 lks. dist., mkd. T 10 N R 16 E S 10 C C B T.

From the closing cor. of secs. 10 and 11, angle point No. 848 bears S. 88° 21' E., 10.78 chs. dist., which is a point determined by measurement from bearing trees, along side of which is a fallen tree, mkd. A P N B W M I R 848.

At this point;

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for angle point No. 848, with brass cap mkd.

T 10 N	R 16 E
S 10	
A P 848	
1935	

from which

A pine, 14 ins. diam., bears S. 84° 15' E., 70 lks. dist., blaze unopened.

An oak, 10 ins. diam., bears S. 44° 30' E., 43 lks. dist., blaze unopened.

And from the same closing cor., the 105 mile monument of the Fort Apache Indian Reservation, bears N. 88° 21' W., 1.63 chs. dist., a quartzite stone, 10 x 10 x 10 ins. above ground, mkd. W M I R 105 M on SW. face, and N B on

## Subdivision of frac. T. 10 N., R. 16 E.

## Chains

top.

from which

A pine, 15 ins. diam., bears N. 24° 30' E., 21 lks.  
dist., mkd. N B W M I R 105 M B T.

A pine, 12 ins. diam., bears S. 76° 30' E., 34 lks.  
dist., mkd. N B W M I R 105 M B T.

A pine, 15 ins. diam., bears S. 44° 15' E., 45 lks.  
dist., mkd. N B W M I R 105 M B T.

A pine, 10 ins. diam., bears S. 34° 15' W., 40 lks.  
dist., mkd. N B W M I R 105 M B T.

Land, rolling.

Soil, sandy loam; rocky; 3rd rate.

Timber, pine, fir and oak; undergrowth; second growth pine.

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

S. 0° 02' E., bet. sec. 3 and 4.

Over rocky NW. slope, through heavy timber and scattering  
undergrowth, asc. 120 ft.

12.10 Ridge, bears E. and W.; desc. 11 ft. over S. slope.

16.30 Road, bears NE. and SW.

27.10 Thence over gradual S. slope, desc. 20 ft.

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 mkd.
$$\begin{array}{c} \frac{1}{4} \\ | \\ S \ 4 \ | \ S \ 3 \\ | \\ 1935 \end{array}$$

from which

A pine, 16 ins. diam., bears S. 59° 45' E., 22 lks.  
dist., mkd.  $\frac{1}{4}$  S 3 B T.

A pine, 14 ins. diam., bears S. 77° 15' W., 53 lks.  
dist., mkd.  $\frac{1}{4}$  S 4 B T.

Descend 57 ft. over S. slope.

63.09 Wire fence, bears NE. and W.

63.46 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the  
ground, to bedrock, in a mound of stone to top, for clos-  
ing cor. of secs. 3 and 4, with brass cap mkd.

$$\begin{array}{c} C \ C \\ | \ | \\ T \ 10 \ N \ | \ R \ 16 \ E \\ | \ | \\ S \ 4 \ | \ S \ 3 \\ \hline F \ A \ I \ R \\ 1935 \end{array}$$

from which



Subdivision of frac. T. 10 N., R. 16 E.

BOOK 4105

## Chains

A pine, 5 ins. diam., bears N.  $33^{\circ}$  E., 67 lks. dist.,  
mkd. T 10 N R 16 E S 3 C C B T.

A pine, 6 ins. diam., bears N.  $64^{\circ} 30'$  W., 56 lks.  
dist., mkd. T 10 N R 16 E S 4 C C B T.

From the closing cor. of secs. 3 and 4, angle point No.  
859, of the Fort Apache Indian Reservation, bears N.  $41^{\circ}$   
 $38'$  E., 16.38 chs. dist., a pine, 24 ins. diam., mkd. A P  
N B W M I R 859 on S., and B M F R on N.

And from same cor., angle point No. 860 of the Fort Apache  
Indian Reservation, bears S.  $41^{\circ} 38'$  W., 56 lks. dist., a  
pine, 16 ins. diam., mkd. A P N B W M I R 860 on S., and  
B M F R on N.

Land, rolling.

Soil, sandy loam; rocky; 2nd and 3rd rate.

Timber, pine, fir and oak; undergrowth, second growth pine.

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

S.  $0^{\circ} 02'$  E., bet. secs. 4 and 5.

Over gradual S. slope, through heavy timber and scattering  
undergrowth, desc. 67 ft.

2.90 Road, bears NE. and SW.

7.00 Road, bears NW. and SE.

9.40 Game refuge fence, bears NW. and SE.

17.10 Blazed truck trail, bears NW. and SE.

35.80 Ravine, course SE.; asc. 6 ft. over NE. 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 mkd.

$\frac{1}{4}$

S 5 | S 4

1935

from which

A pine, 10 ins. diam., bears S.  $64^{\circ} 30'$  E., 63 lks.  
dist., mkd.  $\frac{1}{4}$  S 4 B T.

A pine, 12 ins. diam., bears S.  $85^{\circ} 45'$  W., 78 lks.  
dist., mkd.  $\frac{1}{4}$  S 5 B T.

Descend 56 ft. over SE. slope.

47.65 Gulch, course SW.; asc. 85 ft. over NW. slope.

58.10 Top of ascent; thence along gentle SW. slope.

68.00 Descend 26 ft. over gradual S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the  
ground, for cor. of secs. 4, 5, 8 and 9, with brass cap  
mkd.

## Subdivision of frac. T. 10 N., R. 16 E.

Chains

T 10 N	R 16 E
S 5	S 4
S 8	S 9
1935	

from which

A pine, 24 ins. diam., bears N. 41° 30' E., 37 lks. dist., mkd. T 10 N R 16 E S 4 B T.

A pine, 5 ins. diam., bears S. 70° E., 64 lks. dist., mkd. T 10 N R 16 E S 9 B T.

A pine, 16 ins. diam., bears S. 59° 15' W., 79 lks. dist., mkd. T 10 N R 16 E S 8 B T.

A pine, 15 ins. diam., bears N. 29° 45' W., 52 lks. dist., mkd. T 10 N R 16 E S 5 B T.

Land, rolling.

Soil, sandy loam; rocky; 2nd and 3rd rate.

Timber, pine and oak; undergrowth, second growth pine.

East, bet. secs. 4 and 9.

Over gradual SE. slope, through heavy timber and scattering undergrowth, desc. 146 ft.

- 3.70 Blazed truck trail, bears NE. and SW.
- 12.60 Head of ravine, course SE.
- 23.35 Gulch, course S. 10° W.; asc. 86 ft. over W. slope.
- 27.10 Spur, slopes SW.; desc. 91 ft. over SE. slope.
- 30.00 Gulch, course SW.; asc. 129 ft. over general NW. 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 mkd.

$\frac{1}{4}$	S 4
	S 9
1935	

from which

A pine, 18 ins. diam., bears N. 18° 30' E., 46 lks. dist., mkd.  $\frac{1}{4}$  S 4 B T.

A pine, 17 ins. diam., bears S. 24° 30' W., 78 lks. dist., mkd.  $\frac{1}{4}$  S 9 B T.

Ascend 11 ft. over general W. slope.

- 44.00 Blazed truck trail, bears NE. and SW.
- 50.00 Spur, slopes SW.; desc. 34 ft. over SE. slope.
- 62.81 Fence, bears NE. and SW.
- 62.87 Intersect boundary of the Fort Apache Indian Reservation.
- At point of intersection;
- Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 4 and 9, with brass cap mkd.

Subdivision of frac. T. 10 N., R. 16 E.

BOOK 4105

Chains

T 10 N R 16 E  
 C C  $\frac{S 4}{S 9}$  / F A I R  
 1935

from which

A pine, 5 ins. diam., bears N. 42° 30' W., 22 lks. dist., mkd. T 10 N R 16 E S 4 C C B T.

A pine, 5 ins. diam., bears S. 74° 15' W., 27 lks. dist., mkd. T 10 N R 16 E S 9 C C B T.

From the closing cor. of secs. 4 and 9, the 106½ mile monument of the Fort Apache Indian Reservation, bears N. 12° 12' E., 65 lks. dist., a sandstone, 8 x 10 x 4 ins. above ground, mkd. W M I R 106½ M on SE. face.

from which

A fallen pine, 16 ins. diam., bears N. 67° 30' W., 28 lks. dist., mkd. N B W M I R 106½ M B T.

An oak, 7 ins. diam., bears S. 43° E., 55 lks. dist., the grown over blaze not opened.

A pine, 30 ins. diam., bears S. 35° W., 126 lks. dist., mkd. N B W M I R 106½ M B T.

A pine, 30 ins. diam., bears S. 49° W., 127 lks. dist., mkd. N B W M I R 106½ M B T.

And from the same closing cor., angle point No. 864 of the Fort Apache Indian Reservation, bears S. 12° 12' W., 11.68 chs. dist., a pine 14 ins. diam., mkd. A P N B W M I R 864 on SE. and B M F R on NW.

Land, rolling and mountainous.

Soil, sandy loam; rocky; 2nd and 3rd rate.

Timber, pine, fir and oak; undergrowth, second growth pine.

From the cor. of secs. 4, 5, 8 and 9.

S. 0° 02' E., bet. secs. 8 and 9.

Over gentle S. slope, through heavy timber and scattering undergrowth, desc. 37 ft.

13.20 Head of ravine, course SE.; asc. slightly.

20.00 Spur, slopes SE.; desc. 30 ft. over general SW. slope.

29.00 From this point, head of ravine, bears W. 1 ch. dist., course SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for ¼ sec. cor., with brass cap mkd.

¼  
 S 8 | S 9  
 1935

from which

A pine, 10 ins. diam., bears S. 89° E., 61 lks. dist., mkd. ¼ S 9 B T.

A pine, 10 ins. diam., bears N. 36° 30' W. 83 lks.

Subdivision of frac. T. 10 N., R. 16 E.

Chains

dist., mkd.  $\frac{1}{4}$  S 8 B T.

Descend 22 ft. over SW. slope.

44.87 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor., of secs. 8 and 9, with brass cap mkd.

	C	C	
T 10	N	R 16	E
	S 8	S 9	
F A I R			
1935			

from which

A pine, 11 ins. diam., bears N. 57° 45' E., 41 lks.  
dist., mkd. T 10 N R 16 E S 9 C C B T.

A pine, 16 ins. diam., bears N. 56° 15' W., 75 lks.  
dist., mkd. T 10 N R 16 E S 8 C C B T.

From the closing cor. of secs. 8 and 9, angle point No. 881 of the Fort Apache Indian Reservation, bears S. 67° 56' E., 4.36 chs. dist., a pine snag, 15 ins. diam., mkd. A P N B W M I R 881 on SW. and B M F R on NE.

And from same closing cor., angle point No. 882 of the Fort Apache Indian Reservation bears N. 67° 56' W., 6.58 chs. dist., an oak, 5 ins. diam., mkd. A P N B W M I R 882 on S. and B M F R on N.

Land, rolling.  
Soil, sandy loam; rocky; 3rd. rate.  
Timber, pine and oak; undergrowth, second growth pine.

From the cor. of secs. 5, 6, 31 and 32, on the north bdy. of the township, hereinbefore described.

S. 0° 03' E., bet. secs. 5 and 6.

Over rocky NW. slope, through heavy timber and scattering undergrowth, asc. 11 ft.

5.00 Top of ascent; thence over nearly level land.

33.40 Graded road, bears N. 80° E. and S. 80° W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, to bedrock, in a mound of stone to top, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

	$\frac{1}{4}$	
S 6		S 5
1935		

from which

A pine, 17 ins. diam., bears N. 49° 30' E., 64 lks.  
dist., mkd.  $\frac{1}{4}$  S 5 B T.

A pine, 15 ins. diam., bears S. 68° 15' W., 89 lks.  
dist., mkd.  $\frac{1}{4}$  S 6 B T.

Subdivision of frac. T. 10 N., R. 16 E.

BOOK 4105

Chains	Descend 18 ft. over gentle S. slope.																
50.00	Thence over SW. slope, desc. 23 ft.																
65.00	Thence over gentle S. slope, desc. 55 ft.																
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap mkd.																
	<table style="margin-left: auto; margin-right: auto;"> <tr><td>T 10</td><td>N</td><td>R 16</td><td>E</td></tr> <tr><td>S 6</td><td> </td><td>S 5</td><td></td></tr> <tr><td>S 7</td><td> </td><td>S 8</td><td></td></tr> <tr><td colspan="4" style="text-align: center;">1935</td></tr> </table>	T 10	N	R 16	E	S 6		S 5		S 7		S 8		1935			
T 10	N	R 16	E														
S 6		S 5															
S 7		S 8															
1935																	
	from which																
	A pine, 10 ins. diam., bears N. 58° 30' E., 55 lks. dist., mkd. T 10 N R 16 E S 5 B T.																
	A pine, 7 ins. diam., bears S. 57° E., 83 lks. dist., mkd. T 10 N R 16 E S 8 B T.																
	A pine, 10 ins. diam., bears S. 14° W., 141 lks. dist., mkd. T 10 N R 16 E S 7 B T.																
	A pine, 15 ins. diam., bears N. 31° W., 110 lks. dist., mkd. T 10 N R 16 E S 6 B T.																
	Land, rolling. Soil, sandy loam; rocky; 2nd and 3rd rate. Timber, pine, fir and oak; second growth pine.																
	East, on a random line, bet. secs. 5 and 8.																
40.00	Set temp. $\frac{1}{4}$ sec. cor.																
80:01	Intersect N. and S. line, 1 lk. N. of the cor. of secs. 4, 5, 8 and 9.																
	Thence																
	West, on a true line, bet. secs. 5 and 8.																
	Over gentle E. slope, through heavy timber and scattering undergrowth, asc. 5 ft.																
2.40	Top of ascent; thence over general W. slope, desc. 146 ft.																
16.75	Gulch, course S. 5° W.; asc. 149 ft. over SE. slope.																
31.00	Spur, slopes S. 10° W.; desc. slightly.																
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 mkd.																
	<table style="margin-left: auto; margin-right: auto;"> <tr><td><math>\frac{1}{4}</math></td><td>S 5</td></tr> <tr><td></td><td>S 8</td></tr> <tr><td colspan="2" style="text-align: center;">1935</td></tr> </table>	$\frac{1}{4}$	S 5		S 8	1935											
$\frac{1}{4}$	S 5																
	S 8																
1935																	
	from which																
	A pine, 22 ins. diam., bears N. 21° 15' E., 66 lks. dist., mkd. $\frac{1}{4}$ S 5 B T.																
	A pine, 14 ins. diam., bears S. 13° W., 85 lks. dist., mkd. $\frac{1}{4}$ S 8 B T.																
	Descend 90 ft. over W. slope.																

Subdivision of frac. T. 16 N., R. 16 E.

Chains	
44.75	Gulch, course S.; asc. 79 ft. over E. slope.
51.70	Spur, slopes S.; desc. 180 ft. over W. slope.
62.75	Gulch, course S. 10° W., asc. 101 ft. over SE. slope.
70.00	Top of ascent; thence along gentle S. slope.
77.80	Blazed truck trail, bears N. and S.
80.01	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling and mountainous. Soil, gravelly loam; rocky; 3rd rate. Timber, pine, fir and oak; undergrowth, second growth pine.
	West, on a random line, bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.98	Intersect west bdy. of Tp., 2 lks. S. of the cor. of secs. 6 and 7, hereinbefore described.
	Thence
	S. 89° 59' E., on a true line, bet. secs. 6 and 7.
	Over SW. slope, through heavy timber and scattering undergrowth, desc. 95 ft.
.55	Blazed truck trail, bears N. 20° E. and S. 20° W.
12.20	Head of ravine, course S.; asc. 77 ft. over SW. slope.
21.00	Spur, slopes S.; desc. 204 ft. over E. slope.
37.68	Gulch, course S. 20° E., asc. 15 ft. over SW. slope.
38.98	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ $\frac{S\ 6}{S\ 7}$ 1935
	from which
	A pine, 11 ins. diam., bears N. 1° W., 62 lks. dist., mkd. $\frac{1}{4}$ S 6 B T.
	A pine, 7 ins. diam., bears S. 26° 30' E., 63 lks. dist.; mkd. $\frac{1}{4}$ S 7 B T.
	Ascend 65 ft. over rocky SW. slope.
42.77	Spur, slopes S.; desc. 58 ft. over SE. slope.
46.44	Gulch, course S. 10° W.; asc. 186 ft. over W. slope.
60.18	Spur, slopes S.; desc. 142 ft. over SE. slope.
69.68	Gulch, course S.; asc. 154 ft. over rocky W. slope.
78.98	The cor. of secs. 5, 6, 7 and 8.
	Land, rolling and mountainous. Soil, gravelly loam; rocky; 3rd rate. Timber, pine, fir and oak; undergrowth second growth pine.

Subdivision of frac. T. 10 N., R. 16 E.

BOOK 4105

Chains

S. 0° 03' E., bet. secs. 7 and 8.

Over gentle S. slope, through heavy timber and scattering undergrowth, desc. 6 ft.

5.00 Thence over gradual SW. slope, desc. 159 ft.

23.30 Wire fence, bears NW. and SE.

23.35 Intersect boundary of the Fort Apache Indian Reservation.

At point of intersection;

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for closing cor. of secs. 7 and 8, with brass cap mkd.

	C	C	
T 10 N		R 16 E	
	S 7	S 8	

F A I R

1935

from which

A pine, 6 ins. diam., bears N. 27° 30' E., 53 lks. dist., mkd. T 10 N R 16 E S 8 C C B T.

A pine, 13 ins. diam., bears N. 34° W., 109 lks. dist. mkd. T 10 N R 16 E S 7 C C B T.

From the closing cor. of secs. 7 and 8, angle point No. 887 of the Fort Apache Indian Reservation, bears S. 57° 29' E., 4.83 chs. dist., a pine 15 ins. diam., mkd. A P N B W M I R 887 on S., and B M F R on N.

From same cor., angle point No. 888 of the Fort Apache Indian Reservation, bears N. 57° 29' W., 14.90 chs. dist., a pine, 15 ins. diam., mkd. A P N B W M I R 888 on SE., and B M F R on NW.

Land, rolling.

Soil, gravelly loam; rocky; 3rd rate.

Timber, pine fir and oak; undergrowth, second growth pine.

## Final test of instrument

October 27, 1935

At station, approximately  $1\frac{1}{2}$  miles north of the  $\frac{1}{4}$  section corner of sections 4 and 33, Tps. 10 and 11 N., R. 16 E., approximate latitude  $34^{\circ} 19' N.$ , and longitude  $110^{\circ} 39' W.$  at 5h 18m 40s a.m., l.m.t., I observe Polaris at western elongation, making two sights, each with the telescope in the direct and the reverse position, and mark the mean point in the line thus determined, by a tack in a peg driven firmly in the ground, 8 chs. north. After sunrise I lay off the azimuth of Polaris  $1^{\circ} 15' 29''$  and make a meridian mark on a second peg, 17.57 lks. to the east of the mean point in the line determined by the observation. I verify the angle by a vernier reading of the instrument.

At 9h 00m a.m., app.t., with  $34^{\circ} 19' N.$ , set off on the latitude arc, and  $12^{\circ} 36' S.$ , set off on the declination arc, the instrument is oriented with the solar; the solar meridian thus obtained agrees within  $1\frac{1}{2}'$  of the true meridian.

At apparent noon, with the latitude arc unchanged, the sun is observed on the meridian; the resulting reading of the declination arc is  $12^{\circ} 39' S.$ , which agrees with the com-

## Subdivision of frac. T. 10 N., R. 16 E.

## Chains

puted declination of the sun.

At 3h 00m p.m., app.t., with the latitude arc unchanged, and  $12^{\circ} 41'$  S. set off on the declination arc, the instrument is oriented with the solar; the solar meridian thus obtained again agrees within  $1\frac{1}{2}'$  of the true meridian.

As all of the solar observations taken during the usual hours of solar work, agree within  $1\frac{1}{2}'$  of the true meridian, it is concluded that the solar has maintained its adjustment.

## General description

Fractional T. 10 N., R. 16 E., is situated on the Mogollon Plateau, about fifty miles southwest of Holbrook, Arizona. It may be reached by roads leading from either Holbrook or Young. A second class road enters the township on the east boundary of section 1, follows close to the divide, and leaves the township on the west boundary of section 6. Grading operations on this road were progressing through sections 5 and 6 at the time of this survey.

The elevation of the township ranges from 7,000 to 7,500 feet above sea level. The divide follows very close to the north boundary, most of the drainage being to the south. The soil is generally a sandy and gravelly loam containing much rock. A good growth of timber is found over the entire fractional township. Yellow pine predominates, while white fir, oak, aspen and juniper are found in more scattered growths. The undergrowth is scattering and there is only a thin stand of native grass. The only running water is in section 1.



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FIELD ASSISTANTS

NAMES	CAPACITY
Orland Parks	Principal Assistant
John Midzor	Chainman
Loral Leavitt	Flagman
Vern L. Frazee	Axeman
Hugh Goff	Axeman
Dick Lewis	Cornerman

24 200  
BOOK 4105

### CERTIFICATE OF UNITED STATES SURVEYOR

I, Charles E. Hunter, U.S. Transitman, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 18th day of June 1934, received from the district cadastral engineer for Arizona, with assignment instructions dated August 22, 1935, I have surveyed the North and West boundaries and subdivisional lines of fractional Township 10 North, Range 16 East,

of the Gila and Salt <sup>River</sup> Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Glendale, California,  
February 24, 1936.

Charles E. Hunter  
U. S. Transitman

### CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS,  
Denver, Colorado, Nov. 17, 1936

The foregoing field notes of the survey of the North and West boundaries and subdivisional lines of fractional Township 10 North, Range 16 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Charles E. Hunter, U.S. Transitman, under special instructions dated June 18, 1934, and assignment instructions dated August 22, 1935, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

[Signature]  
U.S. Supervisor of Surveys.

### ~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in \_\_\_\_\_, is a true copy of the original field notes on file in the public survey office.~~

U.S. Supervisor of Surveys