

FIELD NOTES

OF THE SURVEY OF 1928

Part of the Subdivision Lines of

Township 5 North, Range 22 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

All within the Fort Apache Indian Reservation.

EXECUTED BY

John L. Warboys, U. S. Surveyor,

In the capacity of U. S. Surveyor, under Special Instructions dated November 15, 1928, issued by the District Cadastral Engineer to govern surveys included in Group No. 154, Arizona, which were approved by the Commissioner of the General Land Office, November 23, 1928, and Assignment Instructions dated August 4, 1929.

Survey commenced November 4, 1929.

Survey completed November 23, 1929.

3889

3889

Part of the
Subdivisions of T. 5 N., R. 22 E

Surveys herein described were executed on dates shown on diagram on page 1 hereof, by John L. Warboys, U. S. Surveyor, using Young and Sons transit No. 8385, with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers placed opposite each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved, subject to the usual field tests, by the District Cadastral Engineer for Arizona.

For establishment of meridian at camp, near the center of SW $\frac{1}{4}$ of sec. 13, T. 5 N., R. 23 E., G. & S. R. B. & M. Ariz., lat. 33° 50' N., longitude (approximate) 109° 52 $\frac{1}{2}$ ' W., on October 8, 1929, see Book "A".

For preliminary test, on the above meridian, on November 3, 1929, see Book "A".

All refraction corrections used are 83% of the tabular values on account of the elevation of 5600 ft. above sea level.

November 24, 1929: on the meridian, above mentioned, at 8h 00m a.m., app.t., set off 33° 50' N. on the lat. arc, 20° 30' S. 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 20° 33 $\frac{1}{2}$ ' S., which agrees with the computed decl. of the sun.

At 4h 00m p.m., app.t., with the lat. arc unchanged, set off 20° 34' S. 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 have been satisfactorily maintained throughout the survey.

Unless otherwise specified, all azimuth determinations are accomplished with the solar apparatus. All measurements are made with a Lallie steel tape, 5 chains in length, compared with a Lufkin standard 1 chain tape and found correct. The measurements are made on the slope, the vertical angle determined with clinometer or transit, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

The elevations are obtained by barometer readings carried in by Cadastral Engineer Blout and Surveyor Warboys, compared and agreeing very closely with several other readings brought in by different individuals.

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains

From the standard cor. of secs. 35 and 36, described in Book "B",
N. 0° 01' W. bet. secs. 35 and 36.
Over rolling hills through heavy timber and undergrowth.
Ascend S. slope 45 ft. to
3.30 Spur, slopes E. Descend NE. slope 45 ft. to
10.00 Descend brushy N. slope 80 ft. to closing cor.
16.15 Old road, bears NW. and SE.
20.45 Intersect S. bdy. of the Theodore Roosevelt Indian School
at a point 13.37 chs. S. 68° 34' W. of the 10½ Mile Mon-
ument, described in Book "A". At the point of inter-
section,
Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the
ground, for closing cor. of secs. 35 and 36, with brass
cap marked

TRIS	
S 35	S 36
CC	
S 35	S 36
T 5 N	R 22 E
1929	

from which

A juniper, 6 ins. dia., bears S. 47½° E., 34 lks. dist.,
marked T 5 N R 22 E S 36 C C B T.

An oak, 6 ins. dia., bears S. 7½° W., 87 lks. dist.,
marked T 5 N R 22 E S 35 C C B T.

(Elev. 5285 ft.)

21.00 Descend 75 ft. to 36.00 chs.
36.00 Old road, bears NE. and SW.
37.00 Descend 85 ft. to ¼ sec. cor.
40.00 Old road, bears NE. and SW.
Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the
ground to solid rock, supported by a mound of stone, 3
ft. base, 1 ft. high, for ¼ sec. cor., with brass cap
marked

¼	
S 35	S 36
1929	

from which

A juniper, 4 ins. dia., bears S. 48° E., 85 lks. dist.,
marked ¼ S 36 B T.

A pinion, 6 ins. dia., bears S. 57½° W., 94 lks. dist.,
marked ¼ S 35 B T. (Elev. 5125 ft.)

Descend 50 ft. to ravine.
43.20 Dry ditch, course W. A flume, bears W., about 1½ chs.
43.70 Ravine, course NW. Ascend 10 ft. to
44.40 Descend 25 ft. to spur.
48.80 Old road, bears NW. and SE.
50.10 Wire fence, bears NW. and SE.
57.40 Low spur, slopes NW. Descend rolling, general N. slope
70 ft. to sec. cor.
65.50 Cor. of fences, bearing E. and S. 70° W. Cemetery, bears
E., about 7 chs. dist.
72.60 Main road, bears E. up E. Fork of White River and up Seven
Mile Canyon, and W. to Fort Apache.
76.60 Old road, bears E. and W.
80.00 Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the
ground, for cor. of secs. 25, 26, 35 and 36, with brass
cap marked

T 5 N		R 22 E	
S 26	S 25	S 35	S 36
1929			

and raise a mound of stone, 3 ft. base, 2 ft. high, W.
of cor., 3 ft. dist. (Elev. 4990 ft.)

Land, rolling hills. Soil, rock, gravel, adobe, clay.
Timber, juniper, pinion, oak. Undergrowth, scrub oak,
mountain mahogany, buck brush.

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains

40.00 East on a random line bet. secs. 25 and 36.
 80.20 Set temp. $\frac{1}{4}$ sec. cor.
 80.20 Fall 2 lks. S. of the cor. of secs. 25, 30, 31 and 36, on
 E. bdy. of Tp., described in Book "B".
 Thence
 S. $89^{\circ} 59'$ W. on a true line bet. secs. 25 and 36.
 Over low, rolling hills through scattering timber and un-
 dergrowth. Ascend 10 ft. to 27.20 chs.
 11.90 Road, bears N. and S.
 17.80 Wash, 15 lks. wide, 10 ft. deep, course N.
 25.00 Drain, course N.
 27.20 Descend 30 ft. to
 31.20 Ravine, course N. Ascend 25 ft. to
 32.70 Descend 10 ft. to $\frac{1}{4}$ sec. cor.
 33.00 Old road, bears NE. and SW.
 34.80 Wire fence, bears NE. and SW.
 40.10 Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{l} \frac{1}{4} S 25 \\ \frac{1}{4} S 36 \\ 1929 \end{array}$$

 from which
 A juniper, 4 ins. dia., bears South, 157 lks. dist.,
 marked $\frac{1}{4}$ S 36 B T.
 A walnut, 16 ins. dia., bears N. $8\frac{1}{2}^{\circ}$ W., 318 lks.
 dist., marked $\frac{1}{4}$ S 25 B T. (Elev. 5045 ft.)
 Descend gentle, general NW. slope 55 ft. to sec. cor.
 47.80 Drain, course NW.
 53.10 Drain, course N.
 55.50 Enter hay field, bears N. and S.
 64.20 Wire fence, bears N. and S. Leave hay field.
 65.60 Drain, course N.
 69.60 Trail, bears NE. and SW.
 74.50 Wire fence, bears N. and S.
 75.50 Wash, 15 lks. wide, 10 ft. deep, course N.
 76.70 Wash, 15 lks. wide, 10 ft. deep, course NE.
 80.20 The cor. of secs. 25, 26, 35 and 36.

Land, low, rolling hills. Soil, rock, gravel, adobe,
clay, loam. Timber, juniper, pinion, oak, walnut. Un-
dergrowth, scrub oak, mountain mahogany, grass.

N. $0^{\circ} 01'$ W. bet. secs. 25 and 26.
 Over gentle rolling land through scattering timber and
 undergrowth. Descend grassy N. slope 40 ft. to river.
 6.20 Dry ditch, 5 lks. wide, course W. Power house, bears W.,
 about 7 chs. dist.
 7.00 Wire fence, bears NW. and SE.
 11.40 E. Fork of White River, 60 lks. wide, course W. Ascend
 5 ft. to 14.00 chs.
 12.20 Road, bears E. and W.
 14.00 Road, bears NE. and SW. Ascend 30 ft. to
 18.00 Leave bottom land, bears E. and W. Ascend 55 ft. to $\frac{1}{4}$
 sec. cor.
 20.00 Over flat W. slope.
 21.00 Frame shack, bears E., about 2 chs. dist.
 33.90 Wire fence, bears NE. and SW.
 35.30 Wash, 30 lks. wide, 8 ft. deep, course SW. Ascend 30 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the
 ground, to solid rock, supported by a mound of stone, 3
 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap
 marked

$$\begin{array}{l} \frac{1}{4} S 26 \\ \frac{1}{4} S 25 \\ 1929 \end{array}$$

from which
 An algerita, 4 ins. dia., bears N. $86\frac{1}{4}^{\circ}$ E., 171 lks.
 dist., marked $\frac{1}{4}$ S 25 B T.
 A juniper, 8 ins. dia., bears N. $30\frac{1}{2}^{\circ}$ W., 21 lks.
 dist., marked $\frac{1}{4}$ S 26 B T. (Elev. 5040 ft.)

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains							
	Ascend S. slope 60 ft. to						
45.00	Spur, slopes SE. Along E. slope.						
48.00	Descend 20 ft. to 67.20 ft.						
56.00	Drain, course E. Along E. slope.						
58.60	Trail, bears NE. and SW.						
67.20	Ascend 25 ft. to sec. cor.						
76.90	Telephone line, bears NE. and SW.						
78.80	Trail, bears NE. and SW.						
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 23, 24, 25 and 26, with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>T 5 N</td> <td>R 22 E</td> </tr> <tr> <td>S 23</td> <td>S 24</td> </tr> <tr> <td>S 26</td> <td>S 25</td> </tr> </table>	T 5 N	R 22 E	S 23	S 24	S 26	S 25
T 5 N	R 22 E						
S 23	S 24						
S 26	S 25						
	1929						
	from which						
	An oak, 8 ins. dia., bears N. $61 \frac{3}{4}^{\circ}$ E., 133 lks. dist., marked T 5 N R 22 E S 24 B T.						
	A juniper, 6 ins. dia., bears S. $52 \frac{3}{4}^{\circ}$ E., 78 lks. dist., marked T 5 N R 22 E S 25 B T.						
	An oak, 6 ins. dia., bears S. $57 \frac{1}{2}^{\circ}$ W., 42 lks. dist., marked T 5 N R 22 E S 26 B T.						
	An oak, 6 ins. dia., bears N. 46° W., 103 lks. dist., marked T 5 N R 22 E S 23 B T. (Elev. 5105 ft.)						
	Land, rolling hills. Soil, rock, gravel, sand, adobe, clay, loam. Timber, juniper, pinion, oak, cottonwood. Undergrowth, scrub oak, mountain mahogany.						
	N. $89^{\circ} 59'$ E. on a random line bet. secs. 24 and 25.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.16	Fall 5 lks. S. of the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp., described in Book "B".						
	Thence						
	S. $89^{\circ} 57'$ W. on a true line bet. secs. 24 and 25.						
	Over rolling hills through heavy timber and undergrowth.						
	Ascend 5 ft. to						
5.20	Drain, course SE. Ascend SE. slope 70 ft. to						
12.70	Spur, slopes SW. Descend 145 ft. to wash.						
29.90	Trail, bears N. and S.						
37.40	Wash, 15 lks. wide, 8 ft. deep, course SW., in ravine, course SW. Over S. slope to $\frac{1}{4}$ sec. cor.						
38.60	Road, bears NE. and SW.						
40.08	Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, $1 \frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>$\frac{1}{4}$ S 24</td> </tr> <tr> <td>$\frac{1}{4}$ S 25</td> </tr> </table>	$\frac{1}{4}$ S 24	$\frac{1}{4}$ S 25				
$\frac{1}{4}$ S 24							
$\frac{1}{4}$ S 25							
	1929						
	from which						
	A juniper, 4 ins. dia., bears N. 4° E., 28 lks. dist., marked $\frac{1}{4}$ S 24 B T.						
	A juniper, 4 ins. dia., bears S. $0 \frac{1}{2}^{\circ}$ W., 53 lks. dist., marked $\frac{1}{4}$ S 25 B T. (Elev. 5110 ft.)						
	Ascend 5 ft. to spur.						
40.70	Drain, course SE.						
42.10	Low spur, slopes S. Descend 25 ft. to 62.30 chs.						
44.90	Old road, bears NE. and SW.						
52.60	Old road, bears NE. and SW.						
60.10	Road, bears N. and S.						
62.30	Old road, bears NE. and SW. Ascend 15 ft. to sec. cor.						
79.00	Telephone line, bears NE. and SW.						
79.70	Trail, bears NE. and SW.						
80.16	The cor. of secs. 23, 24, 25 and 26.						
	Land, rolling hills. Soil, rock, gravel, adobe, clay, loam. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, manzanita, buck brush.						

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains																				
	N. 0° 01' W. bet. secs. 23 and 24. Over rolling mesa through scattering timber and undergrowth. Descend 10 ft. to																			
5.20	Top of bluff, bears NE. and SW. Descend 130 ft. to																			
8.00	N. Fork of White River, 40 lks. wide, course SW. Ascend 85 ft. to																			
27.00	Top of bluff, bears NE. and SW.																			
27.92	Intersect Exchange Bdy. of the Theodore Roosevelt Indian School at a point S. 7° 00' W. 41 lks. from Cor. No. 6, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in the ground, supported by a mound of stone, 3 ft. base, 1½ ft. high, for closing cor. of secs. 23 and 24, with brass cap marked																			
	<table border="0"> <tr><td>T 5 N</td><td> </td><td>R 22 E</td></tr> <tr><td>S 23</td><td> </td><td>S 24</td></tr> <tr><td colspan="3" style="text-align: center;">cc</td></tr> <tr><td>S 23</td><td> </td><td>S 24</td></tr> <tr><td colspan="3" style="text-align: center;">TRIS</td></tr> <tr><td colspan="3" style="text-align: center;">1929</td></tr> </table>	T 5 N		R 22 E	S 23		S 24	cc			S 23		S 24	TRIS			1929			
T 5 N		R 22 E																		
S 23		S 24																		
cc																				
S 23		S 24																		
TRIS																				
1929																				
	No witness trees available. (Elev. 5050 ft.)																			
	Over SE. slope of mesa, through scattering juniper and pinion. Ascend 50 ft. to																			
40.00	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked																			
	<table border="0"> <tr><td>S 23</td><td> </td><td>S 24</td></tr> <tr><td colspan="3" style="text-align: center;">1929</td></tr> </table>	S 23		S 24	1929															
S 23		S 24																		
1929																				
	from which																			
	A juniper, 6 ins. dia., bears N. 73½° E., 93 lks. dist., marked ¼ S 24 B T.																			
	A juniper, 6 ins. dia., bears N. 60¼° W., 135 lks. dist., marked ¼ S 23 B T. (Elev. 5100 ft.)																			
60.00	Ascend gentle SE. slope of mesa 20 ft. to 72.00 chs. Top of bluff, on Right bank of river, bears E., 30 lks. dist. Bluff, bears NE. and SE., at bend in river.																			
72.00	Drain, course E. Ascend 20 ft. to sec. cor.																			
74.20	Trail, bears NE. and SW.																			
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap marked																			
	<table border="0"> <tr><td>T 5 N</td><td> </td><td>R 22 E</td></tr> <tr><td>S 14</td><td> </td><td>S 13</td></tr> <tr><td>S 23</td><td> </td><td>S 24</td></tr> <tr><td colspan="3" style="text-align: center;">1929</td></tr> </table>	T 5 N		R 22 E	S 14		S 13	S 23		S 24	1929									
T 5 N		R 22 E																		
S 14		S 13																		
S 23		S 24																		
1929																				
	from which																			
	A juniper, 4 ins. dia., bears N. 28¼° E., 145 lks. dist., marked T 5 N R 22 E S 13 B T.																			
	A juniper, 6 ins. dia., bears S. 21¼° E., 86 lks. dist., marked T 5 N R 22 E S 24 B T.																			
	A juniper, 6 ins. dia., bears S. 41½° W., 86 lks. dist., marked T 5 N R 22 E S 23 B T.																			
	A juniper, 6 ins. dia., bears N. 42½° W., 57 lks. dist., marked T 5 N R 22 E S 14 B T. (Elev. 5140 ft.)																			
	Land, rolling mesa, cut by river gorge. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak, Undergrowth, scrub oak, mountain mahogany, manzanita, grass.																			
40.00	N. 89° 57' E. on a random line bet. secs. 13 and 24. Set temp. ¼ sec. cor.																			
79.98	Fall 21 lks. S. of the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., described in Book "B".																			
	Thence																			
	S. 89° 48' W. on a true line bet. secs. 13 and 24. Over rolling hills through heavy timber and undergrowth. Descend 95 ft. to 12.50 chs.																			
10.30	Wash, 12 lks. wide, 6 ft. deep, course NW., in ravine, course NW.																			

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains	
11.30	Main road, bears N. to Whiteriver and SE. up E. Fork of White River.
12.50	Drian, course N. Ascend 145 ft. to spur.
13.90	Old road, bears N. and S.
16.70	Drain, course NE.
18.40	Drain, course NE.
27.40	Spur, slopes N. Descend NW. slope 85 ft. to
39.99	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} S 13 \\ \frac{1}{4} S 24 \\ 1929 \end{array}$
	from which
	A juniper, 6 ins. dia., bears N. $58 \frac{3}{4}^{\circ}$ E., 72 lks. dist., marked $\frac{1}{4} S 13$ B T.
	A juniper, 6 ins. dia., bears S. $47 \frac{1}{2}^{\circ}$ E., 116 lks. dist., marked $\frac{1}{4} S 24$ B T. (Elev. 5215 ft.)
	Descend gradual NW. slope 90 ft. to 69.30 chs.
42.00	Trail, bears N. and S.
44.20	Trail, bears NE. and SW.
47.50	Telephone line, bears NE. and SW.
69.30	Top of bluff, bears NE. and SW. Descend 115 ft. to
70.60	N. Fork of White River, 40 lks. wide, course SW. Ascend 100 ft. to
72.10	Top of bluff, bears NE. and SW. Ascend SE. slope of mesa 30 ft. to sec. cor.
76.50	Trail, bears NE. and SW.
79.98	The cor. of secs. 13, 14, 23 and 24.
	Land, rolling hills and mesa. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, manzanita.
	N. $0^{\circ} 01'$ W. bet. secs. 13 and 14.
	Over mesa through scattering juniper and pinion and mountain mahogany. Descend NE. slope 5 ft. to closing cor.
6.30	Drain, course E.
6.66	Intersect N. bdy. of the Theodore Roosevelt Indian School at a point 5.77 chs. S. $68^{\circ} 34'$ W. of the 2 Mile Monument, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 25 ins. in the ground, for closing cor. of secs. 13 and 14, with brass cap marked
	$\begin{array}{r} T 5 N R 22 E \\ S 14 S 13 \\ cc \\ S 14 S 13 \\ TRIS \\ 1929 \end{array}$
	and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor., 3 ft. dist., (Elev. 5135 ft.)
	Ascend 5 ft. to
8.20	State Highway, bears NE. to Whiteriver and Holbrook and SW. to Globe. Ascend 110 ft. to $\frac{1}{4}$ sec. cor.
19.40	Telephone line, bears NE. and SW.
24.30	Trail, bears E. and W.
25.00	Wire fence, bears E. and W.
27.40	Drain, course SE.
35.00	Enter cultivated field, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} S 14 S 13 \\ 1929 \end{array}$
	and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., 3 ft. dist. (Elev. 5250 ft.)
	Ascend SE. slope 70 ft. to 60.00 chs.
48.40	Wire fence, bears E. and W. Leave cultivated land.
60.00	Ascend steep SE. slope of mountains 485 ft. to sec. cor.

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains													
76.00	Enter bench, with more gentle SE. slope.												
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1½ ft. high, for cor. of secs. 11, 12, 13 and 14, with brass cap marked												
	<table border="0"> <tr><td colspan="4">T 5 N R 22 E</td></tr> <tr><td>S 11</td><td> </td><td>S 12</td><td></td></tr> <tr><td>S 14</td><td> </td><td>S 13</td><td></td></tr> </table>	T 5 N R 22 E				S 11		S 12		S 14		S 13	
T 5 N R 22 E													
S 11		S 12											
S 14		S 13											
	from which												
	1929												
	A juniper, 6 ins. dia., bears N. 21½° E., 56 lks. dist., marked T 5 N R 22 E S 12 B T.												
	A juniper, 6 ins. dia., bears S. 64¼° E., 100 lks. dist., marked T 5 N R 22 E S 13 B T.												
	A juniper, 10 ins. dia., bears S. 13¼° W., 142 lks. dist., marked T 5 N R 22 E S 14 B T.												
	An oak, 6 ins. dia., bears N. 58¼° W., 106 lks. dist., marked T 5 N R 22 E S 11 B T. (Elev. 5805 ft.)												
	Land, rolling mesa and mountains. Soil, rock, gravel, adobe, clay, loam. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, grass.												
40.00	N. 89° 48' E. on a random line bet. secs. 12 and 13. Set temp. ¼ sec. cor.												
79.94	Fall 2 lks. S. of the cor. of secs. 7, 12, 13 and 18, on E. bdy. of Tp., described in Book "B".												
	Thence												
	S. 89° 47' W. on a true line bet. secs. 12 and 13. Over gentle sloping mesa, through town of Whiteriver. Ascend 10 ft. to 18.70 chs.												
0.20	Road, bears N. and S.												
2.30	Power line, bears N. and S.												
5.90	State Highway, bears N. to Holbrook and S. to Globe.												
6.70	Cement sidewalk, bears N. and S. Schuster and Calvert's store, bears S., about 8 chs. dist.												
6.80	Wire fence, bears N. and S. Enter grounds at Fort Apache Indian Agency.												
7.40	Warehouse, bears N., about 5 chs. dist.												
8.20	Office building, Fort Apache Indian Reservation headquarters, bears N., about 3 chs. dist.												
8.30	Power line, bears N. and S.												
10.50	Telephone line, bears N. and S.												
11.40	Road, bears N. and S.												
12.00	Cement walk, bears N. and S. Church, bears S., about 3 chs. dist.												
18.70	NW. cor. of Jail, on line. Ascend 55 ft. to ¼ sec. cor.												
23.30	NW. cor. of cottage, on line.												
25.40	Fence, bears S. and SE.												
27.10	Road, bears NE. and SW.												
28.90	SE. cor. of Hospital, on line.												
31.70	Embankment, bears N. and S., 10 ft. high.												
32.80	Road, bears NW. and SE.												
34.90	Dry ditch, 5 lks. wide, course SW.												
35.20	Fence, bears NW. and SE.												
35.90	SE. cor. of Dairy Barn, bears N., 30 lks. dist.												
36.10	Wire fence, bears E. and W. also another fence, bears N. and S. Enter corral.												
39.97	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked												
	<table border="0"> <tr><td>¼ S 12</td><td></td></tr> <tr><td>¼ S 13</td><td></td></tr> </table>	¼ S 12		¼ S 13									
¼ S 12													
¼ S 13													
	1929												
	and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. (Elev. 5275 ft.)												
	Ascend 520 ft. to 75.90 chs.												
40.80	Wire fence, bears N. and S. Leave corral.												
45.70	Drain, course SE. Ascend SE. slope through heavy timber and dens undergrowth.												
55.00	Cemetery, bears S., about 25 chs. dist.												

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains	
68.50	Trail, bears NE. and SW.
75.90	Spur, slopes SE. Ascend 10 ft. to
79.94	The cor. of secs. 11, 12, 13 and 14.
	Land, mesa and mountains. Soil, rock, gravel, adobe, clay, loam. Timber, juniper, pinion, pine, oak. Undergrowth, scrub oak, mountain mahogany, manzanita, buck brush.
	From the standard cor. of secs. 34 and 35, described in Book "B", N. 0° 01' W. bet. secs. 34 and 35. Over rolling hills through heavy timber and undergrowth. Descend NE. slope 170 ft. to ravine.
6.90	Old road, bears NE. and SW.
22.40	Ravine, course NW. Ascend 30 ft. to
29.30	Low spur, slopes NW. Descend 75 ft. to $\frac{1}{4}$ sec. cor.
38.90	Drain, course NW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S $\frac{1}{4}$ 34 S 35 1929
	from which
	A juniper, 4 ins. dia., bears S. 73° E., 85 lks. dist., marked $\frac{1}{4}$ S 35 B T.
	A juniper, 4 ins. dia., bears S. 35 $\frac{1}{2}$ ° W., 88 lks. dist., marked $\frac{1}{4}$ S 34 B T. (Elev. 4925 ft.)
	Descend general NW. slope 50 ft. to river.
40.20	Road, bears NE. and SW.
43.50	Telephone line, bears NE. and SW. Over bottom land.
49.90	Left Bank of White River, bears NE. and SW.
51.20	White River, 60 lks. wide, course SW.
53.60	Right Bank of White River, bears NE. and SW. Over bottom land. Ascend 30 ft. to main road.
56.60	Wire fence, bears NE. and SW.
57.70	Frame house, bears W., 10 lks. dist.
62.70	Road, bears NE. to main road and SW. to slaughter house.
63.00	Wire fence, bears E. and W.
64.90	Main road, bears E. to Fort Apache and W. to State Highway. Ascend 85 ft. to top of bluff.
65.10	Bridge, across White River, bears E., about 4 $\frac{1}{2}$ chs. dist. Leave bottom land, bears E. and W. Ascend over bluffs of lava rock.
69.70	Top of bluff, bears NE. and SW. Over open mesa. Ascend 10 ft. to
76.32	Intersect Exchange Bdy. of the Theodore Roosevelt Indian School at a point 6.45 chs. West of Cor. No. 7, describ- ed in Book "A". At the point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 34 and 35, with brass cap marked
	T 5 N R 22 E S 34 S 35 CC S 34 S 35 TRIS 1929
	and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor., 3 ft. dist. (Elev. 5000 ft.)
80.00	Over level mesa, no timber nor undergrowth. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked
	T 5 N R 22 E S 27 S 26 S 34 S 35 1929
	and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., 3 ft. dist. (Elev. 5000 ft.)

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains

Land, rolling hills and mesa. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak, cottonwood. Undergrowth, scrub oak, mountain mahogany, willow.

East on a random line bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Fall 2 lks. S. of the cor. of secs. 25, 26, 35 and 36.
 Thence
 S. $89^{\circ} 59'$ W. on a true line bet. secs. 26 and 35.
 Over rolling, low hills, through very scattering timber and undergrowth. Descend NW. slope 40 ft. to ravine.
 9.40 Old road, bears NE. and SW.
 11.80 Old road, bears NE. and SW.
 13.60 Power line, bears NW. and SE.
 16.20 Old road, bears NW. and SE.
 18.30 Ravine, course NW. Ascend NE. slope 70 ft. to mesa.
 24.11 Enter mesa, at Fort Apache. Offset 4.10 chs. South to avoid buildings.
 40.01 Offset 4.10 chs. North to true line, and
 Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S } 26 \\ \frac{1}{4} \text{ S } 35 \\ \hline 1929 \end{array}$$

No witness trees available. (Elev. 5015 ft.)

Descend W. slope of mesa 15 ft. to
 44.50 Top of bluff, bears NE. and SW. Descend 110 ft., over lava rock, to
 48.30 E. Fork of White River, 40 lks. wide, course SW. Ascend 100 ft. to
 52.00 Top of bluff, bears NE. and SW. Over level mesa to
 60.00 Top of bluff, bears N. 30° E. and S. 30° W. Descend 100 ft. over lava rock to
 65.00 N. Fork of White River, 100 lks. wide, course S. 30° W. Ascend 95 ft. over lava rock to
 70.60 Top of bluff, bears NE. and SW. Over mesa.
 70.76 Intersect Exchange Bdy. of the Theodore Roosevelt Indian School at a point 1.39 chs. S. $37^{\circ} 15'$ W. of Angle Point No. 11, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, for closing cor. of secs. 26 and 35, with brass cap marked

$$\begin{array}{r} \text{T } 5 \text{ N } \quad \text{R } 22 \text{ E} \\ \text{S } 26 \quad \text{S } 26 \quad \text{T} \\ \hline \text{C} \\ \hline \text{S } 35 \quad \text{S } 35 \quad \text{S} \\ \hline 1929 \end{array}$$

and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., 3 ft. dist. (Elev. 4985 ft.)

80.02 Ascend 15 ft. over open mesa to the cor. of secs. 26, 27, 34 and 35.

Land, rolling mesa, broken by gorges of the two branches of White River. Soil, rock, gravel, adobe, clay. Timber, juniper. Undergrowth, grass, buck brush, willow.

N. $0^{\circ} 01'$ W. bet. secs. 26 and 27.
 Over open mesa through very scattering juniper and grassy land. Ascend 5 ft. to
 11.40 State Highway, bears NE. to Whiteriver and Holbrook and SW. to Globe. Ascend 170 ft. to $\frac{1}{4}$ sec. cor.
 13.50 Drain, course SE.
 22.10 Trail, bears NE. and SW. Through scattering juniper and pinion.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains	<p>ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S 27 S 26 1929 </p> <p>from which</p> <p>A juniper, 6 ins. dia., bears S. $11\frac{1}{2}^{\circ}$ E., 62 lks. dist., marked $\frac{1}{4}$ S 26 B T.</p> <p>An oak, 4 ins. dia., bears N. $41\frac{1}{4}^{\circ}$ W., 32 lks. dist., marked $\frac{1}{4}$ S 27 B T. (Elev. 5175 ft.)</p> <p>Ascend rough, mountainous SE. slope 385 ft. through heavy timber and undergrowth to sec. cor.</p> <p>72.00 Drain, course E.</p> <p>78.00 Drain, course E.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 22, 23, 26 and 27, with brass cap marked</p> <p style="text-align: center;"> T 5 N R 22 E S 22 S 23 S 27 S 26 1929 </p> <p>from which</p> <p>A juniper, 6 ins. dia., bears N. 53° E., 31 lks. dist., marked T 5 N R 22 E S 23 B T.</p> <p>A pinion, 4 ins. dia., bears S. 46° E., 42 lks. dist., marked T 5 N R 22 E S 26 B T.</p> <p>A juniper, 6 ins. dia., bears S. $44\frac{1}{2}^{\circ}$ W., 49 lks. dist., marked T 5 N R 22 E S 27 B T.</p> <p>A pinion, 4 ins. dia., bears N. $25\frac{1}{2}^{\circ}$ W., 77 lks. dist., marked T 5 N R 22 E S 22 B T. (Elev. 5560 ft.)</p> <p>Land, rolling mesa and rough mountains. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, grass.</p>
40.00	N. $89^{\circ} 59'$ E. on a random line bet. secs. 23 and 26.
80.12	Set temp. $\frac{1}{4}$ sec. cor.
	Fall 2 lks. N. of the cor. of secs. 23, 24, 25 and 26.
	Thence
	West on a true line bet. secs. 23 and 26.
3.50	Over mesa through juniper and pinion timber. Descend 10 ft. Top of bluff, bears NE. and SW. Descend 145 ft. over lava rock to
6.60	N. Fork of White River, 50 lks. wide, course SW. Ascend 145 ft. to
9.00	Top of bluff, bears NE. and SW. Over level mesa to
11.40	Intersect Exchange Bdy. of the Theodore Roosevelt Indian School at a point 11.63 chs. S. $38^{\circ} 00'$ W. from the 17 Mile Monument and Angle Point No. 2, described in Book "A", At the point of intersection,
	Set an iron post, 3 ft. long, 2 ins. dia., on solid rock marked with a cross, supported by a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, for closing cor. of secs. 23 and 26, with brass cap marked
	T 5 N R 22 E T S 23 C/S 23 R S 26 C/S 26 I 1929 B
	from which
	An oak, 6 ins. dia., bears N. $83\frac{3}{4}^{\circ}$ W. 63 lks. dist., marked T 5 N R 22 E S 23 C C B T.
	A juniper, 8 ins. dia., bears S. $44\frac{1}{2}^{\circ}$ W., 63 lks. dist., marked T 5 N R 22 E S 26 C C B T. (Elev. 5065 ft.)
20.10	Ascend 10 ft. to Descend 10 ft. over mesa at S. end of aeroplane landing field.
40.06	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 23 $\frac{1}{4}$ S 26 1929

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains.

and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor., 3 ft. dist. (Elev. 5065 ft.)

44.20

Ascend gentle E. slope 25 ft. to drain. State Highway, bears NE. to Whiteriver and Holbrook and SW. to Globe.

57.10

Drain, course NE. Ascend steep E. slope 470 ft. through heavy timber and undergrowth to

80.12

The cor. of secs. 22, 23, 26 and 27.

Land, mesa and rough mountains. Soil, rock, gravel, clay, adobe. Timber, juniper, pinion, oak. Undergrowth, grass, scrub oak, mountain mahogany, buck brush.

3.00

N. 0° 01' W. bet. secs. 22 and 23.

25.00

Over rough, mountainous land through heavy timber and undergrowth. Ascend 145 ft. to spur.

40.00

Drain, course E.

Spur, slopes E. Descend 40 ft. along general E. slope to

Set an iron post, 3 ft. long, 1 in. dia., on solid rock marked with a cross, supported by a mound of stone, 4 ft. base, 2½ ft. high, for ¼ sec. cor., with brass cap marked

S 22 ¼ S 23
1929

from which

An oak, 4 ins. dia., bears S. 52° E., 33 lks. dist., marked ¼ S 23 B T.

A juniper, 12 ins. dia., bears S. 29½° W., 33 lks. dist., marked ¼ S 22 B T. (Elev. 5615 ft.)

55.15

Ascend rough and broken SE. slope 185 ft. to Intersect N. bdy. of the Theodore Roosevelt Indian School at a point 11.95 chs. S. 68° 34' W. of the 3 Mile Monument, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., on solid rock marked with a cross, supported by a mound of stone, 4 ft. base, 2½ ft. high, for closing cor. of secs. 22 and 23, with brass cap marked

T 5 N R 22 E
S 22 S 23
CC
S 22 S 23
TRIS
1929

from which

An oak, 6 ins. dia., bears N. 18¼° W., 48 lks. dist., marked T 5 N R 22 E S 22 C C B T.

An oak, 6 ins. dia., bears N. 85° W., 51 lks. dist., marked T 5 N R 22 E S 22 C C B T.

64.20

Ascend 20 ft. to Ridge, bears N. 20° E. and S. 20° W. Low saddle, about 10 chs. N. 20° E. Descend NW. slope through heavy timber and undergrowth 200 ft. to sec. cor.

69.40

Trail, bears NE. and SW.

80.00

Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 14, 15, 22 and 23, with brass cap marked

T 5 N R 22 E
S 15 S 14
S 22 S 23
1929

from which

A juniper, 8 ins. dia., bears N. 26½° E., 41 lks. dist., marked T 5 N R 22 E S 14 B T.

A juniper, 12 ins. dia., bears S. 77½° E., 65 lks. dist., marked T 5 N R 22 E S 23 B T.

A pinion, 8 ins. dia., bears S. 62½° W., 47 lks. dist., marked T 5 N R 22 E S 22 B T.

A juniper, 6 ins. dia., bears N. 71° W., 30 lks. dist., marked T 5 N R 22 E S 15 B T. (Elev. 5670 ft.)

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains	Land, rough mountains. Soil, rock, adobe, clay. Timber, pinion, juniper, oak. Undergrowth, scrub oak, mountain mahogany, buck brush, manzanita.																		
40.00	East on a random line bet. secs. 14 and 23.																		
80.20	Set temp. $\frac{1}{4}$ sec. cor. Fall 5 lks. S. of the cor. of secs. 13, 14, 23 and 24. Thence S. $89^{\circ} 58'$ W. on a true line bet. secs. 14 and 23. Over mesa through scattering juniper and pinion. Ascend 10 ft. to 16.89 chs.																		
7.19	State Highway, bears NE. and SW.																		
16.89	Intersect N. bdy. of the Theodore Roosevelt Indian School at a point 16.06 chs. N. $68^{\circ} 34'$ E. of the $2\frac{1}{2}$ Mile Monument, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 14 and 23, with brass cap marked																		
	<table border="0"> <tr> <td>T 5 N</td> <td>R 22 E</td> <td></td> </tr> <tr> <td>S 14</td> <td>S 14</td> <td>T</td> </tr> <tr> <td colspan="2" style="text-align: center;">C</td> <td>R</td> </tr> <tr> <td colspan="2" style="text-align: center;">C</td> <td>I</td> </tr> <tr> <td>S 23</td> <td>S 23</td> <td>S</td> </tr> <tr> <td colspan="3" style="text-align: center;">1929</td> </tr> </table>	T 5 N	R 22 E		S 14	S 14	T	C		R	C		I	S 23	S 23	S	1929		
T 5 N	R 22 E																		
S 14	S 14	T																	
C		R																	
C		I																	
S 23	S 23	S																	
1929																			
	from which A juniper, 4 ins. dia., bears N. 56° E., 153 lks. dist., marked T 5 N R 22 E S 14 C C B T. (Elev. 5150 ft.)																		
21.00	Ascend SE. slope 105 ft. to $\frac{1}{4}$ sec. cor. Road, bears NE. and SW.																		
23.70	Drain, course S.																		
30.60	Drain, course SE.																		
38.70	Drain, course SE.																		
40.10	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked																		
	<table border="0"> <tr> <td>$\frac{1}{4}$ S 14</td> </tr> <tr> <td>$\frac{1}{4}$ S 23</td> </tr> <tr> <td style="text-align: center;">1929</td> </tr> </table>	$\frac{1}{4}$ S 14	$\frac{1}{4}$ S 23	1929															
$\frac{1}{4}$ S 14																			
$\frac{1}{4}$ S 23																			
1929																			
	from which A juniper, 6 ins. dia., bears N. $33\frac{1}{2}^{\circ}$ W., 40 lks. dist., marked $\frac{1}{4}$ S 14 B T. A juniper, 6 ins. dia., bears S. $53\frac{1}{2}^{\circ}$ E., 104 lks. dist., marked $\frac{1}{4}$ S 23 B T. (Elev. 5255 ft.)																		
48.00	Ascend SE. slope 565 ft. to spur.																		
70.40	Ascend mountains, general SE. slope.																		
73.00	Telephone line, bears NE. and SW.																		
74.80	Trail, bears NE. and SW.																		
77.20	Spur, slopes SW. Descend 150 ft. to sec. cor., over W. slope.																		
77.30	Trail, bears NW. and SE.																		
78.80	Telephone line, bears NW. and SE.																		
80.20	Trail, bears NW. and SE. The cor. of secs. 14, 15, 22 and 23.																		
	Land, rolling mesa and rough mountains. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, grass.																		
1.80	N. $0^{\circ} 01'$ W. bet. secs. 14 and 15.																		
2.00	Over rough mountains through heavy timber and undergrowth.																		
17.00	Ascend SW. slope 145 ft. to 17.00 chs. Telephone line, bears NW. and SE. Trail, bears NW. and SE. Through scattering timber.																		
24.00	Descend NW. slope through heavy timber and dense undergrowth 30 ft. to 35.00 chs. Top of bluff, bears E., about 5 chs. dist. Bluff, bears N. and S.																		
30.00	Over rocky W. slope. Top of bluff, bears E., about 2 chs. dist. Bluff, 100 ft. high, bears NE. and SE.																		
35.00	Descend NW. slope 30 ft. to																		

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains

40.00 Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 15 | S 14
1929

from which

An oak, 6 ins. dia., bears N. $45\frac{1}{2}^\circ$ E., 37 lks. dist., marked $\frac{1}{4}$ S 14 B T.

An oak, 4 ins. dia., bears N. $79\frac{1}{2}^\circ$ W., 24 lks. dist., marked $\frac{1}{4}$ S 15 B T. (Elev. 5755 ft.)

Descend 20 ft. to

41.00 Drain, course SW. Ascend 40 ft. to 53.00 chs.

49.00 Along W. slope of bench land.

53.00 Descend steep, brushy NW. slope 430 ft. to sec. cor.

79.50 Enter valley, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, with brass cap marked

T 5 N R 22 E
S 10 | S 11
S 15 | S 14
1929

from which

An oak, 6 ins. dia., bears N. $73\frac{1}{4}^\circ$ E., 191 lks. dist., marked T 5 N R 22 E S 11 B T.

A pinion, 4 ins. dia., bears S. 41° E., 105 lks. dist., marked T 5 N R 22 E S 14 B T.

A juniper, 14 ins. dia., bears S. $19\frac{1}{2}^\circ$ W., 127 lks. dist., marked T 5 N R 22 E S 15 B T.

An ash, 8 ins. dia., bears N. $68\frac{1}{4}^\circ$ W., 449 lks. dist., marked T 5 N R 22 E S 10 B T. (Elev. 5365 ft.)

Land, rough mountains. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, buck brush.

40.00 N. $89^\circ 58'$ E. on a random line bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor.

80.26 Fall 12 lks. N. of the cor. of secs. 11, 12, 13 and 14. Thence

N. $89^\circ 57'$ W. on a true line bet. secs. 11 and 14.

Over rolling mountains through scattering timber and undergrowth. Along S. slope.

10.00 Descend SW. slope 45 ft. to

20.20 Drain, course S. Ascend SE. slope 140 ft. to

35.00 Ascend 100 ft. over bluffs to

39.80 Top of bluff, bears NE. and SW. Over mesa.

40.13 Set an iron post, 3 ft. long, 1 in. dia., on solid rock marked with a cross, supported by a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 11
S 14
1929

from which

An oak, 6 ins. dia., bears N. $75\frac{1}{4}^\circ$ E., 26 lks. dist., marked $\frac{1}{4}$ S 11 B T.

A juniper, 10 ins. dia., bears S. $29\frac{1}{2}^\circ$ E., 44 lks. dist., marked $\frac{1}{4}$ S 14 B T. (Elev. 6000 ft.)

Ascend 10 ft. to

47.00 Ridge, bears N. 20° E. and S. 20° W. Descend 5 ft. to

51.80 Top of bluff, bears NE. and SW. Descend NW. slope 640 ft. through heavy timber and dense undergrowth.

80.26 The cor. of secs. 10, 11, 14 and 15.

Land, rolling and rough mountains. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, manzanita, buck brush.

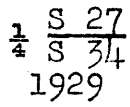
Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains	From the standard cor. of secs. 33 and 34, described in Book "B", N. 0° 02' W. bet. secs. 33 and 34. Over bottom land through very scattering timber and undergrowth. Descend 5 ft. to river.
1.70	Wire fence, bears E. and W.
8.30	Wire fence, bears E. and W.
8.40	Wash, 12 lks. wide, 6 feet deep. course W.
11.00	Left Bank of White River, course S. 30° W.
13.30	Right Bank of White River, course S. 30° W. Ascend 80 ft. over lava boulders to
20.00	Spur, slopes E. Descend 70 ft. to
23.00	Box canyon, course E. Ascend 70 ft. to
25.00	Top of bluff, bears NW. and SE. Ascend 40 ft. to $\frac{1}{4}$ sec. cor. over mesa, through scattering juniper.
29.60	Trail, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$S \ 33 \ \frac{1}{4} \ S \ 34$ 1929
	from which
	A juniper, 4 ins. dia., bears S. 63 $\frac{3}{4}$ ° E., 81 lks. dist., marked $\frac{1}{4}$ S 34 B T.
	A juniper, 6 ins. dia., bears S. 30 $\frac{1}{4}$ ° W., 120 lks. dist., marked $\frac{1}{4}$ S 33 B T. (Elev. 4960 ft.)
	Ascend 35 ft. to state highway.
47.50	Lake, about 2 x 3 chs., bears W., about 4 chs. dist.
52.00	Trail, bears NE. and SW.
54.70	Trail, bears NE. and SW.
58.80	State Highway, bears E. to Fort Apache, Whiteriver and Holbrook and W. to Globe. Ascend 85 ft. to sec. cor.
66.00	Drain, course SW.
79.00	Drain, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap marked
	$T \ 5 \ N \ R \ 22 \ E$ $S \ 28 \ \ S \ 27$ $S \ 33 \ \ S \ 34$ 1929
	from which
	A pinion, 3 ins. dia., bears N. 12° E., 48 lks. dist., marked T 5 N R 22 E S 27 B T.
	A pinion, 4 ins. dia., bears S. 83° E., 80 lks. dist., marked T 5 N R 22 E S 34 B T.
	A juniper, 8 ins. dia., bears S. 57 $\frac{1}{2}$ ° W., 44 lks. dist., marked T 5 N R 22 E S 33 B T.
	A pinion, 4 ins. dia., bears N. 44° W., 116 lks. dist., marked T 5 N R 22 E S 28 B T. (Elev. 5080 ft.)
	Land, rolling mesa and hills, with bluffs at river. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, willow, mountain mahogany.
	East on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Fall 5 lks. S. of the cor. of secs. 26, 27, 34 and 35. Thence
	S. 89° 58' W. on a true line bet. secs. 27 and 34.
	Over low rolling hills through scattering timber and undergrowth. Ascend gentle SE. slope 5 ft. to 15.20 chs.
3.50	Drain, course S.
4.80	Drain, course SE.
6.00	Drain, course SE.
6.90	State Highway, bears NE. to Whiteriver and Holbrook and SW. to Globe.
12.30	Drain, course S.
15.20	Drain, course S. Ascend SE. slope 115 ft. to $\frac{1}{4}$ sec. cor.

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains
 20.90 Drain, course SE.
 29.50 Trail, bears NE. and SW.
 34.00 Drain, course S.
 40.03 Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked



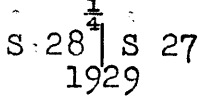
from which
 A juniper, 6 ins. dia., bears N. 51° W., 129 lks. dist., marked $\frac{1}{4}$ S 27 B T.
 A juniper, 6 ins. dia., bears S. 81° E., 154 lks. dist., marked $\frac{1}{4}$ S 34 B T. (Elev. 5120 ft.)
 Ascend SE. slope 115 ft. to spur.

47.50 Drain, course S.
 65.00 Spur, slopes S. Descend 155 ft. to sec. cor.
 74.00 Ravine, course SW.
 76.00 Old road, bears N. and S.
 80.06 The cor. of secs. 27, 28, 33 and 34.

Land, rolling mesa and hills. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, grass.

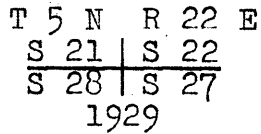
N. 0° 02' W. bet. secs. 27 and 28.
 Over rolling mountains through heavy timber and undergrowth. Ascend general SW. slope 85 ft. to 13.00 chs.

2.50 Spur, slopes SW.
 4.50 Drain, course SW.
 6.40 Old road, bears NW. and SE.
 13.00 Spur, slopes SW. Descend 35 ft. to
 15.90 Ravine, course W. Ascend 60 ft. to 23.50 chs.
 19.50 Along W. slope.
 23.50 Descend NW. slope 125 ft. to $\frac{1}{4}$ sec. cor.
 35.00 Enter valley, bears NE. and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which
 A juniper, 6 ins. dia., bears S. 77 $\frac{1}{2}$ ° E., 227 lks. dist., marked $\frac{1}{4}$ S 27 B T.
 An algerita, 8 ins. dia., bears N. 46 $\frac{1}{2}$ ° W., 362 lks. dist., marked $\frac{1}{4}$ S 28 B T. (Elev. 5065 ft.)
 Over valley. Ascend 20 ft. to 55.00 chs.

40.70 Old road, bears NE. and SW.
 43.70 Wash, 100 lks. wide, 4 ft. deep, course SW.
 55.00 Leave valley, bears NE. and SW. Ascend SE. slope 5 ft. to
 59.00 Over mesa, through juniper and pinion. Ascend 15 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap marked



from which
 A juniper, 4 ins. dia., bears N. 57° E., 67 lks. dist., marked T 5 N R 22 E S 22 B T.
 A juniper, 8 ins. dia., bears S. 24° E., 39 lks. dist., marked T 5 N R 22 E S 27 B T.
 A juniper, 6 ins. dia., bears S. 29 $\frac{1}{2}$ ° W., 145 lks. dist., marked T 5 N R 22 E S 28 B T.
 An algerita, 4 ins. dia., bears N. 36 $\frac{1}{2}$ ° W., 188 lks. dist., marked T 5 N R 22 E S 21 B T. (Elev. 5105 ft.)

Land, rolling mountains and hills. Soil, rock, gravel,

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains

	<p>sand, adobe, clay. Timber, juniper, pinion, oak, algerita. Undergrowth, scrub oak, mountain mahogany, grass.</p>
40.00	N. 89° 58' E. on a random line bet. secs. 22 and 27.
80.08	Set temp. $\frac{1}{4}$ sec. cor. Fall 7 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence
7.40	S. 89° 55' W. on a true line bet. secs. 22 and 27. Over rough mountains through heavy timber and undergrowth.
13.10	Ascend $\frac{1}{4}$ slope 280 ft. to Top of bluff, bears N. and S. Over mesa, ascending 10 ft.
18.30	Ridge, bears N. and S. Descend 20 ft. to Top of bluff, bears N. 20° E. and S. 20° W. Descend 555 ft. over NW. slope through heavy timber and undergrowth to
40.04	Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground, to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 22 \\ \frac{1}{4} \text{ S } 27 \\ 1929 \end{array}$
	from which
	A pinion, $\frac{1}{4}$ ins. dia., bears N. 22 $\frac{1}{2}$ ° W., 20 lks. dist., marked $\frac{1}{4}$ S 22 B T.
	A juniper, 6 ins. dia., bears S. 43 $\frac{1}{2}$ ° E., 43 lks. dist., marked $\frac{1}{4}$ S 27 B T. (Elev. 5275 ft.)
53.00	Descend NW. slope 205 ft. to Enter valley, bears NE. and SW. Descend 5 ft. to
58.00	Wash, 60 lks. wide, 2 ft. deep, course SW. Ascend 5 ft. to 65.00 chs.
61.40	Old road, bears N. and S.
65.00	Leave valley, bears NE. and SW. Ascend 35 ft. to
68.00	Over S. slope of mesa.
75.30	Drain, course S.
80.08	The cor. of secs. 21, 22, 27 and 28.
	Land, rough mountains and rolling mesa. Soil, rock, gravel, sand, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, buck brush.
0.60	N. 0° 02' W, bet. secs. 21 and 22, Over gentle rolling mesa through heavy timber and undergrowth. Ascend 95 ft. to closing cor.
17.40	Road, bears NE. and SW.
23.84	Old road, bears NE. and SW. Intersect N. Bdy. of the Theodore Roosevelt Indian School at a point 17.87 chs. S. 68° 34' W. of the 4 Mile Monument, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 $\frac{1}{2}$ ft. high, for closing cor. of secs. 21 and 22, with brass cap marked
	$\begin{array}{r} \text{T } 5 \text{ N } \text{ R } 22 \text{ E} \\ \text{S } 21 \text{ S } 22 \\ \text{S } 21 \text{ S } 22 \\ \text{TRIS} \\ 1929 \end{array}$
	from which
	A juniper, 6 ins. dia., bears N. 24 $\frac{1}{2}$ ° E., 89 lks. dist., marked T 5 N R 22 E S 22 C C B T.
	A juniper, 6 ins. dia., bears N. 44° W., 70 lks. dist., marked T 5 N R 22 E S 21 C C B T. (Elev. 5200 ft.)
40.00	Ascend general S. slope 100 ft. to Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains

S 21 ⁴/₄ S 22
1929

from which

A juniper, 6 ins. dia., bears S. 60° E., 121 lks. dist., marked ¹/₄ S 22 B T.

A juniper, 6 ins. dia., bears S. 29° W., 23 lks. dist., marked ¹/₄ S 21 B T. (Elev. 5300 ft.)

Ascend general S. slope of mesa 115 ft. to sec. cor.

70.00 Enter heavy timber, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 15, 16, 21 and 22, with brass cap marked

T 5 N R 22 E
S 16 ¹/₄ S 15
S 21 ¹/₄ S 22
1929

from which

A pinion, 6 ins. dia., bears N. 55¹/₂° E., 96 lks. dist., marked T 5 N R 22 E S 15 B T.

A pinion, 6 ins. dia., bears S. 16¹/₄° E., 91 lks. dist., marked T 5 N R 22 E S 22 B T.

A pinion, 6 ins. dia., bears S. 54° W., 53 lks. dist., marked T 5 N R 22 E S 21 B T.

A pinion, 6 ins. dia., bears N. 62¹/₂° W., 33 lks. dist., marked T 5 N R 22 E S 16 B T. (Elev. 5415 ft.)

Land, mesa and low, rolling hills. Soil, rock, gravel, adobe, clay. Timber, pinion, juniper, oak. Undergrowth, scrub oak, mountain mahogany, grass.

40.00 N. 89° 55' E. on a random line bet. secs. 15 and 22. Set temp. ¹/₄ sec. cor.

80.06 Fall 2 lks. N. of the cor. of secs. 14, 15, 22 and 23. Thence

S. 89° 56' W. on a true line bet. secs. 15 and 22.

Over mountainous land through heavy timber and undergrowth. Descend W. slope 410 ft. to 20.00 chs.

17.00 Wire fence, bears N. and S.

20.00 Enter valley, bears N. and S. Descend 5 ft. to

21.20 Wash, 60 lks. wide, 2 ft. deep, course SW. Ascend 15 ft. to ¹/₄ sec. cor.

29.10 Wire fence, bears NE. and SW.

29.20 Road, bears NE. and SW.

30.00 Leave valley, bears NE. and SW. Over S. slope of mesa, through scattering timber.

40.03 Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for ¹/₄ sec. cor., with brass cap marked

S 15
¹/₄ S 22
1929

from which

A juniper, 4 ins. dia., bears N. 16° E., 100 lks. dist., marked ¹/₄ S 15 B T.

A pinion, 8 ins. dia., bears S. 63¹/₂° W., 23 lks. dist., marked ¹/₄ S 22 B T. (Elev. 5270 ft.)

48.00 Old road, bears NW. and SE.

68.00 Old road, bears N. and S., 15 ft. above ¹/₄ sec. cor. Descend 15 ft. to ravine.

70.50 Along S. slope.

72.00 Ravine, course SE. Ascend 45 ft. to

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

Land, rough mountains and rolling mesa. Soil, rock, gravel, adobe, clay. Timber, pinion, juniper, oak. Undergrowth, scrub oak, mountain mahogany, grass.

N. 0° 02' W. bet. secs. 15 and 16.

Over rolling mesa through heavy timber and dense under-

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

	growth. Ascend S. slope 15 ft. to 4.50 chs.
1.80	Trail, bears E. and W.
2.80	Telephone line, bears E. and W.
4.50	Descend NE. slope 35 ft. to
6.20	Ravine, course SE. Ascend SE. slope 145 ft. to
24.00	Ascend mountainous SE. slope 140 ft. to
31.00	Ascend gradual SE. slope 20 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., on bedrock marked with a cross, supported by a mound of stone, 4 ft. base, 2½ ft. high, for ¼ sec. cor., with brass cap marked
	$\begin{array}{c} s \ 16 \frac{1}{4} \ \ s \ 15 \\ \hline 1929 \end{array}$
	from which
	A pinion, 8 ins. dia., bears N. 50½° E., 34 lks. dist., marked ¼ S 15 B T.
	A pinion, 6 ins. dia., bears S. 11½° W., 36 lks. dist., marked ¼ S 16 B T. (Elev. 5700 ft.)
	Ascend 5 ft. to
46.50	Descend brushy NE. slope 30 ft. to
54.00	Head of drain, course SE. Ascend 20 ft. to
66.00	Ridge, bears NE. and SW. Descend 70 ft. to
71.40	Ravine, course SW. Ascend SW. slope 130 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for cor. of secs. 9, 10, 15 and 16, with brass cap marked
	$\begin{array}{c} T \ 5 \ N \ R \ 22 \ E \\ \hline S \ 9 \ \ S \ 10 \\ \hline S \ 16 \ \ S \ 15 \\ \hline 1929 \end{array}$
	from which
	A pinion, 6 ins. dia., bears N. 59½° E., 23 lks. dist., marked T 5 N R 22 E S 10 B T.
	A juniper, 4 ins. dia., bears S. 27¼° E., 32 lks. dist., marked T 5 N R 22 E S 15 B T.
	A pinion, 4 ins. dia., bears S. 28½° W., 32 lks. dist., marked T 5 N R 22 E S 16 B T.
	A juniper, 6 ins. dia., bears N. 36½° W., 44 lks. dist., marked T 5 N R 22 E S 9 B T. (Elev. 5955 ft.)
	Land, rollin and rough mountains. Soil, rock, gravel, adobe, clay. Timber, pinion, juniper, oak. Undergrowth, scrub oak, mountain mahogany, buck brush.
	N. 89° 56' E. on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.06	Fall 7 lks. S. of the cor. of secs. 10, 11, 14 and 15. Thence
	S. 89° 53' W. on a true line bet. secs. 10 and 15. Over rolling hills through scattering timber and undergrowth. Descend gentle W. slope 15 ft. to wash.
2.80	Drain, course S.
5.80	Wash, 100 lks. wide, course SW. Ascend 100 ft. over rolling hills to ¼ sec. cor.
10.60	Road, at bend, bears NE. and SE. Leave valley.
11.30	Wire fence, bears NE. and SW.
18.90	Wire fence, bears N. and S.
21.00	Enter valley, bears N. and S.
27.00	Leave valley, bears N. and S.
31.50	Wire fence, bears N. and S.
33.50	Trail, bears N. and S.
39.90	Road, bears NW. and SE.
40.03	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \ S \ 10 \\ \hline \frac{1}{4} \ S \ 15 \\ \hline 1929 \end{array}$
	from which
	A juniper, 4 ins. dia., bears N. 85° W., 34 lks. dist.,

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains	<p>marked $\frac{1}{4}$ S 10 B T. A pinion, $\frac{1}{4}$ ins. dia., bears S. $4\frac{1}{2}^\circ$ E., 130 lks. dist., marked $\frac{1}{4}$ S 15 B T. (Elev. 5450 ft.) Ascend SE. slope 515 ft. through heavy timber and under- growth to 78.80 Ridge, bears N. and S. Descend 10 ft. to 80.06 The cor. of secs. 9, 10, 15 and 16.</p> <p>Land, rolling and rough mountains. Soil, rock, gravel, sand, adobe, clay, loam. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, buck brush.</p> <hr/> <p>From the standard cor. of secs. 32 and 33, described in Book "B", N. $0^\circ 02'$ W. bet. secs. 32 and 33. Over gentle rolling mesa through scattering timber and un- dergrowth. Ascend gentle SW. slope 65 ft. to $\frac{1}{4}$ sec. cor. 11.80 Trail, bears E. and W. 24.20 Road, bears NW. and SE. 33.70 Old road, bears NW. and SE. 40.00 Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">S 32 S 33 1929</p> <p>and dig pits, 18 x 18 ins., 12 ins. deep, N. and S. of cor., 3 ft. dist. (Elev. 4970 ft.) 40.90 Ascend S. slope 85 ft. to gravelly knoll. 59.40 Road, bears E. and W. Gravelly knoll, just to W. of summit, bears E. and W. Descend 35 ft. to sec. cor. 66.80 Trail, bears E. and W. 76.90 Old road, bears NW. and SE. Over flat. 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap marked</p> <p style="text-align: center;">T 5 N R 22 E S 29 S 28 S 32 S 33 1929</p> <p>and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., 3 ft. dist. (Elev. 5020 ft.)</p> <p>Land, rolling mesa. Soil, rock, gravel, sand, adobe, clay, loam. Timber, juniper, pinion. Undergrowth, mountain mahogany, grass.</p> <hr/> <p>East on a random line bet. secs. 28 and 33. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 79.98 Fall 2 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence S. $89^\circ 59'$ W. on a true line bet. secs. 28 and 33. Over rolling hills through scattering timber and under- growth. Descend SW. slope 45 ft. to 5.50 Ravine, course SW. Ascend 35 ft. to 10.00 Red spur, slopes S. Descend 105 ft. to wash. 14.00 Enter valley, bears NE. and SW. 21.80 Wash, 50 lks. wide, 3 ft. deep, course SW. Ascend 25 ft. 27.00 Over S. slope of mesa. 32.50 Road, bears N. and S. 32.70 Intersect W. bdy. of the Theodore Roosevelt Indian School at a point 16.51 chs. S. $7^\circ 15'$ W. of the $5\frac{1}{2}$ Mile Monu- ment, described in Book "A". At point of intersection, Set an iron post, 3 ft. long, 2 ins. dia., 18 ins. in the ground to solid rock, supported by a mound of stone, 3 ft. base, 1 ft. high, for closing cor. of secs. 28 and 33, with brass cap marked</p> <p style="text-align: center;">T 5 N R 22 E S 28 S 28 T C / S S 33 S 33 I 1929 S</p>
--------	---

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

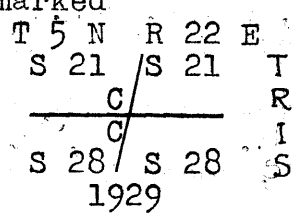
Chains	and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., 3 ft. dist. (Elev. 4990 ft.)
32.80	Descend 5 ft. to $\frac{1}{4}$ sec. cor.
39.99	Old road, bears NW. and SE. Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 28 \\ \frac{1}{4} \text{ S } 33 \\ 1929 \end{array}$
	and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor., 3 ft. dist. (Elev. 4985 ft.)
	Descend 10 ft. to
45.60	Drain, course SW. Ascend 45 ft. to sec. cor.
46.50	Trail, bears N. and S.
50.00	Low spur, slopes S.
55.40	Old road, bears NW. and SE.
56.60	Drain, course S.
64.10	State Highway, bears NW. to Globe and SE. to Fort Apache, Whiteriver and Holbrook.
79.98	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling hills and mesa. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion. Undergrowth, scrub oak, sage.
	N. $0^{\circ} 02'$ W. bet. secs. 28 and 29. Over mesa through scattering timber and undergrowth. Descend 10 ft. to highway.
2.00	Knoll, 10 ft. high, bears E., about 3 chs. dist.
7.20	State Highway, bears SE. to Fort Apache, Whiteriver and Holbrook and W. to Globe. Ascend 30 ft. to $\frac{1}{4}$ sec. cor.
14.50	Road, bears NW. and SE.
27.20	Road, bears NW. and SE.
38.00	Trail, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \\ \text{S } 29 \text{ } \text{S } 28 \\ 1929 \end{array}$
	and dig pits, 18 x 18 ins., 12 ins. deep, N. and S. of cor., 3 ft. dist. (Elev. 5040 ft.)
	Ascend S. slope of mesa 75 ft. to sec. cor.
62.20	Road, bears NW. and SE.
70.00	Enter scattering timber, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 27 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap marked
	$\begin{array}{r} \text{T } 5 \text{ N } \text{ R } 22 \text{ E} \\ \text{S } 20 \text{ } \text{S } 21 \\ \text{S } 29 \text{ } \text{S } 28 \\ 1929 \end{array}$
	and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., 3 ft. dist. (Elev. 5115 ft.)
	Land, rolling mesa. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion. Undergrowth, grass, sage.
	N. $89^{\circ} 59'$ E. on a random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Fall 9 lks. S. of the cor. of secs. 21, 22, 27 and 28. Thence
	S. $89^{\circ} 55'$ W. on a true line bet. secs. 21 and 28.
	Over rolling S. slope of mesa through scattering timber and undergrowth. Ascend 50 ft. to spur.
0.60	Road, bears N. and S.
4.80	Road, bears N. and S.
15.00	Road, bears N. and S.
22.53	Intersect W. bdy. of the Theodore Roosevelt Indian School at a point 15.87 chs. S. $7^{\circ} 15'$ W. of Cor. No. 2 and $4\frac{1}{2}$ Mile Monument, described in Book "A". At the point of

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

BOOK 3889

Chains

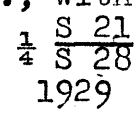
intersection,
Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the
ground to solid rock, supported by a mound of stone, 3
ft. base, 1½ ft. high, for closing cor. of secs. 21 and
28, with brass cap marked



from which

A juniper, 8 ins. dia., bears N. 57½° W., 150 lks.
dist., marked T 5 N R 22 E S 21 C C B T.
(Elev. 5150 ft.)

25.00 Road, bears N. and S.
 30.00 Low spur, slopes SE. Descend 10 ft. to
 34.80 Drain, course S. Ascend 5 ft. to
 38.00 Low spur, slopes S. Descend 5 ft. to
 39.99 Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the
 ground, for ¼ sec. cor., with brass cap marked



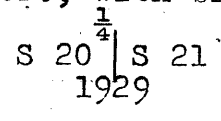
from which

A juniper, 4 ins. dia., bears N. 54½° E., 187 lks.
dist., marked ¼ S 21 B T.
A juniper, 3 ins. dia., bears S. 30½° E., 147 lks.
dist., marked ¼ S 28 B T. (Elev. 5150 ft.)

Ascend 10 ft. to 50 chs.
 43.10 Road, bears N. and S.
 46.80 Drain, course S.
 50.00 Descend 10 ft. to drain.
 61.00 Drain, course S. Descend 35 ft. to sec. cor.
 64.00 Ravine, course SE.
 69.50 Low spur, slopes S.
 71.00 Ravine, course S.
 76.50 Old road, bears NW. and SE.
 79.98 The cor. of secs. 20, 21, 28 and 29.

Land, rolling mesa. Soil, rock, gravel, adobe, clay.
Timber, juniper, pinion, oak. Undergrowth, grass, sage,

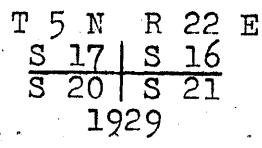
N. 0° 02' W. bet. secs. 20 and 21.
 Over rolling mesa through scattering timber and under-
 growth. Ascend general S. slope 95 ft. to ¼ sec. cor.
 5.90 Old road, bears NW. and SE.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the
 ground, for ¼ sec. cor., with brass cap marked



from which

A juniper, 4 ins. dia., bears S. 46½° E., 137 lks.
dist., marked ¼ S 21 B T.
An oak, 6 ins. dia., bears N. 68½° W., 420 lks. dist.,
marked ¼ S 20 B T. (Elev. 5210 ft.)

Ascend 10 ft. to
 45.40 Drain, course SE. Ascend 100 ft. to sec. cor.
 52.00 Enter heavy timber, bears NW. and SE. Ascend SW. slope.
 61.30 Old road, bears NE. and SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 25 ins. in the
 ground, for cor. of secs. 16, 17, 20 and 21, with brass
 cap marked



from which

A pinion, 4 ins. dia., bears N. 45½° E., 130 lks. dist.,
marked T 5 N R 22 E S 16 B T.

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains	<p>A pinion, 6 ins. dia., bears S. 68° E., 33 lks. dist., marked T 5 N R 22 E S 21 B T. An oak, 6 ins. dia., bears S. $47\frac{1}{4}^{\circ}$ W., 408 lks. dist., marked T 5 N R 22 E S 20 B T. An oak, 8 ins. dia., bears N. 44° W., 17 lks. dist., marked T 5 N R 22 E S 17 B T. (Elev. 5320 ft.)</p> <p>Land, rolling mesa and low hills. Soil, rock, gravel, adobe, clay. Timber, juniper, pinion, oak. Undergrowth, scrub oak, mountain mahogany, sage, grass.</p>
40.00	N. $89^{\circ} 55'$ E. on a random line bet. secs. 16 and 21.
79.96	Set temp. $\frac{1}{4}$ sec. cor. Intersect the cor. of secs. 15, 16, 21 and 22. Thence
6.00	S. $89^{\circ} 55'$ W. on a true line bet. secs. 16 and 21. Over rolling mesa through heavy timber and undergrowth. Descend 10 ft. along general S. slope to Drain, course S. Timber becomes scattering. Ascend SE. slope 20 ft. to
10.00	Descend 15 ft. to 20 chs.
11.50	Old road, bears N. and S.
20.00	Over open flat, along gentle S. slope. Descend 40 ft. to
39.98	Set an iron post, 3 ft. long, 1 in. dia., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 16 \\ S 21 \end{array}$ 1929
	from which
	A juniper, 8 ins. dia., bears N. 10° W., 351 lks. dist., marked $\frac{1}{4}$ S 16 B T.
	A juniper, 6 ins. dia., bears S. 10° E., 175 lks. dist., marked $\frac{1}{4}$ S 21 B T.
	Telephone line, (bearing E. and W.) bears N., about $3\frac{1}{2}$ chs. dist. (Elev. 5370 ft.)
	Ascend 10 ft. to road.
41.50	Enter timber, bears N. and S.
43.40	Trail, bears NE. and SW.
48.00	Old road, bears N. and S. Descend 10 ft. to
51.00	Ravine, course S. Ascend 10 ft. to
59.00	Low spur, slopes S. Descend 10 ft. to
61.60	Drain, course S. Over open land. Descend 25 ft. to
69.40	Drain, course S. Descend 30 ft. to
73.00	Drain, course S. Ascend 5 ft. to sec. cor.
77.10	Trail, bears NW. and SE.
79.96	The cor. of secs. 16, 17, 20 and 21.
	Land, rolling mesa. Soil, rock, gravel, adobe, clay. Timber, pinion, juniper, oak. Undergrowth, scrub oak, sage, grass.
	N. $0^{\circ} 02'$ W. bet. secs. 16 and 17. Over rolling mountains through heavy timber and undergrowth. Ascend general SW. slope 220 ft. to spur.
1.00	Trail, bears E. and W.
7.50	Telephone line, bears E. and W.
16.00	Overflow channel, 100 lks. wide, course SW.
25.00	Drain, course SW.
30.40	Wash, 15 lks. wide; 10 ft. deep, course SE.
39.00	Low spur, slopes E. Descend 5 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$S 17 \frac{1}{4} S 16$ 1929
	from which
	A pinion, 6 ins. dia., bears S. $48\frac{1}{2}^{\circ}$ E., 29 lks. dist., marked $\frac{1}{4}$ S 16 B T.
	A pinion, 6 ins. dia., bears N. $31\frac{1}{2}^{\circ}$ W., 42 lks. dist., marked $\frac{1}{4}$ S 17 B T. (Elev. 5535 ft.)

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Chains

40.80
44.00
74.00
78.50
80.00

Ascend SE. slope 15 ft. to drain.
Trail, bears NW. and SE.
Drain, course SE. Ascend SE. slope 445 ft. to
Spur, slopes SE. Descend brushy NE. slope 25 ft. to sec.
cor.
Head of drain, course SE.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for cor. of secs. 8, 9, 16 and 17, with brass
cap marked

T 5 N R 22 E
S 8 | S 9
S 17 | S 16
1929

from which

- An oak, 6 ins. dia., bears N. $46\frac{1}{2}^\circ$ E., 50 lks. dist.,
marked T 5 N R 22 E S 9 B T.
- A pinion, 6 ins. dia., bears S. $41\frac{1}{2}^\circ$ E., 25 lks. dist.,
marked T 5 N R 22 E S 16 B T.
- An oak, 8 ins. dia., bears S. $49\frac{1}{2}^\circ$ W., 28 lks. dist.,
marked T 5 N R 22 E S 17 B T.
- A pinion, 6 ins. dia., bears N. $40\frac{1}{4}^\circ$ W., 30 lks. dist.,
marked T 5 N R 22 E S 8 B T. (Elev. 5970 ft.)

Land, rolling and rough mountains. Soil, rock, gravel,
adobe, clay. Timber, juniper, pinion, oak. Undergrowth,
scrub oak, mountain mahogany, buck brush.

40.00
80.04
13.40
24.00
31.50
40.02

N. $89^\circ 55'$ E. on a random line bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
Fall 9 lks. S. of the cor. of secs. 9, 10, 15 and 16.
Thence
S. $89^\circ 51'$ W. on a true line bet. secs. 9 and 16.
Over rough, mountainous land through heavy timber and un-
dergrowth. Descend SW. slope 240 ft. to
Ravine, course S. Ascend SE. slope 285 ft. to
Along S. slope.
Gravelly spur, slopes SW. Descend NW. slope 110 ft. to
Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the
ground to solid rock, supported by a mound of stone, 4
ft. base, 1 ft. high, for $\frac{1}{4}$ sec. cor., with brass cap
marked

$\frac{1}{4}$ S 9
S 16
1929

from which

- A pinion, 5 ins. dia., bears N. 60° E., 24 lks. dist.,
marked $\frac{1}{4}$ S 9 B T.
- A juniper, 4 ins. dia., bears S. 53° W., 32 lks. dist.,
marked $\frac{1}{4}$ S 16 B T. (Elev. 5890 ft.)

47.50
58.50
63.30
65.50
69.00
80.04

Descend steep NW. slope 220 ft. to
Ravine, course SW. Ascend steep SE. slope 215 ft. to
Spur, slopes S. Descend 35 ft. to
Ravine, course S. Ascend 55 ft. to
Spur, slopes S. Descend 65 ft. to
Ravine, course S. Ascend brushy SE. slope 130 ft. to
The cor. of secs. 8, 9, 16 and 17.

Land, rough mountains. Soil, rock, gravel, adobe, clay.
Timber, pinion, juniper, oak. Undergrowth, scrub oak,
mountain mahogany, buck brush.

Survey of Part of the
Subdivisions of T. 5 N., R. 22 E.

Latitudes, Departures and Closing Errors.						
Line designated	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
South Bdy (1st. Std. Par. N.)	East	320.00			320.00	
East Bdy.	North	320.00	320.00			
Subdivisional North Bdy.	S. 89°47' W.	79.94		30		79.94
	N. 89°57' W.	80.26	.07			80.26
	S. 89°53' W.	80.06		.16		80.06
	S. 89°51' W.	80.04		.21		80.04
Subdivisional West Bdy.	S. 0°02' E.	320.00		320.00	.19	
Convergency						.22
Totals			320.07	320.67	320.19	320.52
				320.07		320.19
Error in latitude				0.60		
Error in departure						0.33

GENERAL DESCRIPTION.

The portion of T. 5 N., R. 22 E., surveyed under this group, comprises an area 4 miles square in the southeast part of the Tp.

A large portion of the land is mesa with some mountains in the extreme SE. and NW. parts. A rough, lava capped ridge extends in a general N. and S. direction through the central portion of the area surveyed.. The No Fork of the White River enters the Tp. near the $\frac{1}{4}$ sec. cor. on E. bdy. of sec. 13 and flows in a general southwest-erly direction; the E. Fork of White River enters the Tp. in S. part of E. bdy. of sec. 25 and flows in a gen-eral westerly direction to its junction with the N. Fork in the NW. corner of sec. 35; these two branches form the White River, flowing in a southwesterly direction, which leaves the Tp. in the SE. corner of sec. 33. All the land surveyed is tributary to these two streams.

The soil is mostly rocky and gravelly, with a layer of a-dobe, clay and loam on the surface.

The timber is mainly juniper, piñon and oak, with some cottonwood, walnut, alder and willow along the river bottoms. There is no timber of present commercial value for purposes other than fire wood.

The undergrowth comprises scrub oak, mountain mahogany, manzanita, cat claw, wild locust, buck brush, and cacti of various kinds.

All of the land is within the boundaries of the Fort Apache Indian Reservation and a number of Indians reside in the extreme S. and E. portions of the area surveyed. There is a comparatively small amount of land cultivated as most of the soil is too shallow to produce a crop. No water is available for irrigation of the mesas without lifting it a considerable distance or by building a can-al from a long distance up stream. Cattle and horses graze over a considerable area during favorable seasons. The elevations range from 4800 to 6000 ft. above sea level.

The town of Whiteriver is located in secs. 12 and 13 and is the headquarters of the Fort Apache Indian Reserva-tion. The Theodore Roosevelt Indian School, for Indian children, is located at Fort Apache in the N. portion of sec. 35.

98
27
CERTIFICATE OF UNITED STATES SURVEYOR.

I, John L. Warboys, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 154, Arizona bearing date of the 15 th day of November, 1928, 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 subdivision lines

the Subdivision Lines

of

Township 5 North, Range 22 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 1 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 154, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: San Francisco, California,
Date: February 18, 1930.

John L. Warboys
U. S. Surveyor.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., October 24, 1930.

The foregoing field notes of the survey of

Part of the Subdivision Lines

(Sixteen sections-- 13 to 16, 21 to 28, and 33 to 36) of

Township 5 North, Range 22 East

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

executed by John L. Warboys, U.S. Surveyor

under his special instructions dated November 15, 1928, for Group 154, Ariz., having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Wm. H. 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.