

3379

orig compared (1)

Book "C"

4-670

BOOK 3379

# FIELD NOTES

OF THE SURVEY OF THE

Part of the

Subdivision lines of

TOWNSHIP 12 NORTH, RANGE 16 EAST,

3379

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Thos. B. Matthews,

3379

In the capacity of U. S. Surveyor..., under Special Instructions dated December 1, 1916,  
issued by the United States Surveyor General to govern surveys included in Group  
No. 80, Arizona,, which were approved by the Commissioner of the General Land  
Office, December 19, 1916, and Assignment Instructions dated May 19, 1917

Survey commenced July 28, 1917

Survey completed August 1, 1917

*See Special Index Diagram.*

~~INDEX DIAGRAM.~~

~~Township~~, ~~Range~~

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

1A

1

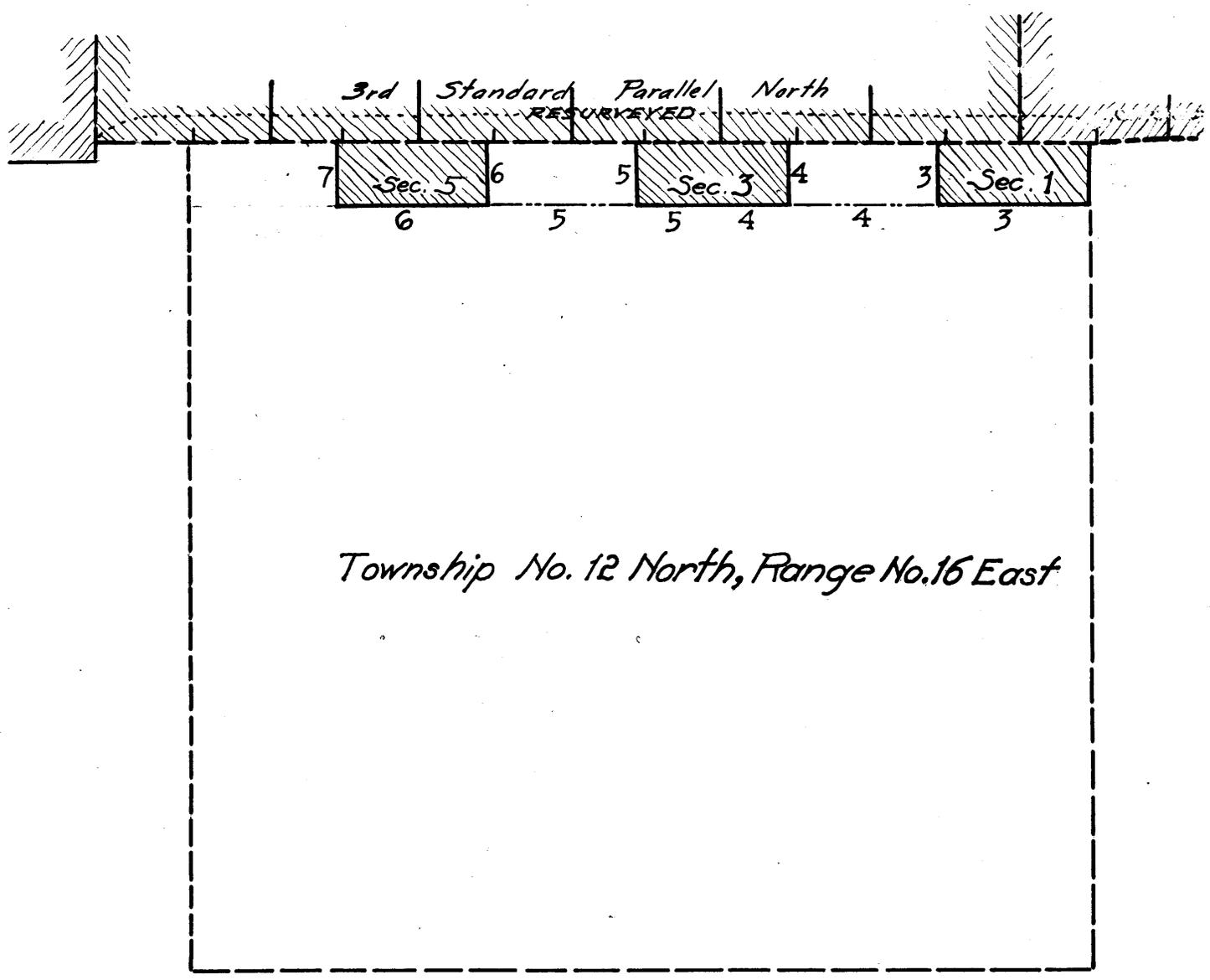
BOOK 3379

3379

INDEX DIAGRAM

Book "C"

Group 80, Arizona

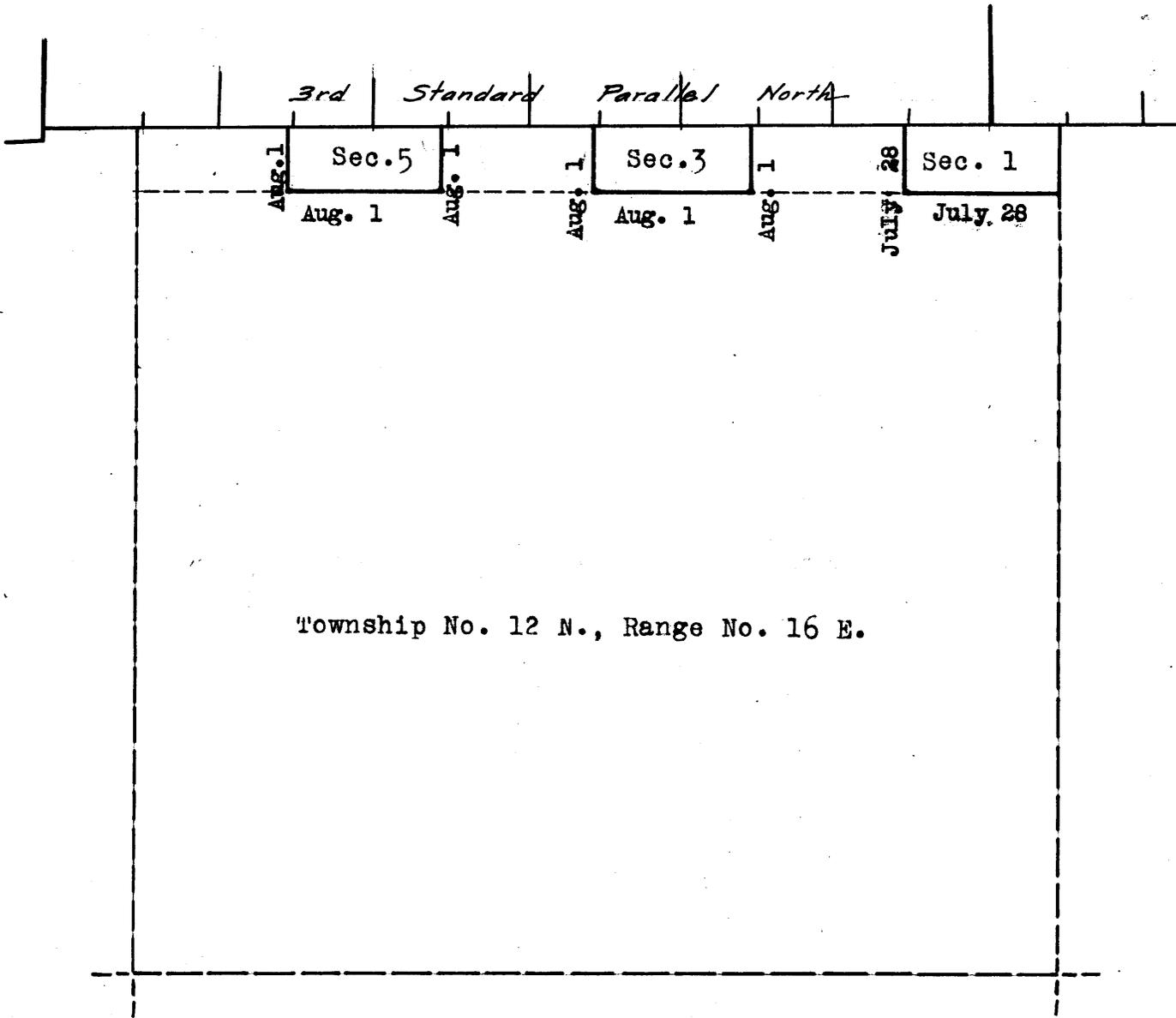


- Lines surveyed under this group ( Group 80 )
- - - - Lines retraced or resurveyed under this group
- ..... Blank lines, this group
- Accepted surveys
- - - - Unsurveyed lines, theoretical positions of
- ▨ Areas surveyed under this group
- ▨ Areas surveyed as per accepted plats on file

BOOK 3379

DATE                      D I A G R A M

Book                      "C"  
Group 80 ,                      Arizona



Lines in red surveyed by Thos. B. Matthews, U.S. Surveyor,  
in 1917 ; dates shown above on diagram.

Survey of part of the Subdivision lines of T.12 N. R.16 E. 3

Chains.

Survey hereinafter described, executed by Thomas B. Matthews, U.S. Surveyor, on dates shown on diagram on page 2 hereof, using Buff and Buff light mountain transit No.10124 described, with record of certificate of approval, and description of field test in Book "A" of this group.  
The instrument is kept in proper adjustment by daily solar tests.

40.00 From the cor. of secs. 7 and 12 and fracl. secs. 1 and 6, on E. bdy. of Tp., described in Book "B," West, on a true line bet. sec. 12 and fracl. sec. 1. Over rough, rocky land, thru dense timber. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap,

$\frac{1}{4}$  S 1  
S 12  
1917

and from which,

80.00 A pinyon, 10 ins. in diam., brs. N.  $59\frac{3}{4}^{\circ}$  E., 54 lks. dist., marked  $\frac{1}{4}$  S 1 BT.  
A pinyon, 8 ins. in diam., brs. S.  $25\frac{1}{2}^{\circ}$  W., 25 lks. dist., marked  $\frac{1}{4}$  S 12 B T.  
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11 and 12, and fracl. secs. 1 and 2, marked on brass cap,

T12N R16E  
S 2 | S 1  
S 11 | S 12  
1917

from which,

A cedar, 8 ins. in diam., brs. N.  $45\frac{1}{4}^{\circ}$  E., 55 lks. dist., marked T12N R16E S1 BT.  
A pinyon, 6 ins. in diam., brs. S.  $20\frac{1}{2}^{\circ}$  E., 23 lks. dist., marked T 12 N R16 E S 12 BT.  
A pinyon, 8 ins. in diam., brs. S.  $36\frac{1}{2}^{\circ}$  W., 46 lks. dist., marked T12 N R16 E S 11 BT.  
A pinyon, 4 ins. in diam., brs. N.  $85\frac{1}{2}^{\circ}$  W., 25 lks. dist., marked T 12 N R 16 E S 2 B T.  
Land, rolling and rocky.  
Soil, sandy and rocky, 3rd rate.  
Timber, cedar and pinyon.  
Undergrowth, none.

3.00 N.  $0^{\circ}1'W.$  on a true line, bet, fracl. secs. 1 and 2. Over rolling land, thru timber. Descend 17 ft. to  
3.97 Bottom of ravine, course NE. Asc. gradual slope, to  
8.00 Point of rocky spur, slopes E. Desc. 41 ft. to  
11.90 Bottom of ravine, course E. Asc. gradual slope.  
32.25 Intersect 3rd. Standard Parallel N., 38.60 chs. E. of the reestablished standard cor. of secs. 35 and 36, described in Book "A." At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of fracl. secs. 1 and 2, marked on brass cap,

C | C  
S 2 | S 1  
T12N R16E  
1917

from which,

A pinyon, 8 ins. in diam., brs. S.  $41\frac{1}{2}^{\circ}$  E., 36 lks. dist., marked T12N R16E S1 CC BT.

4 3. Survey of part of the subdivision lines of T.12 N. R.16 E.

Chains.

A pinyon, 12 ins. in diam., brs. S. 27 1/2° W., 63 lks. dist., marked T12N R16E S2 CC BT.  
Land, rolling and broken.  
Soil, sandy and rocky, 3rd rate.  
Timber, cedar and pinyon. Undergrowth, none.

80.00

From the cor. of secs. 11 and 12, and frac. secs. 1 and 2, West, on a blank line, bet. sec. 11 and frac. sec. 2. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10 and 11, and frac. secs. 2 and 3, marked on brass cap,

T12N | R16E  
S 3 | S 2  
-----  
S10 | S11  
1917

from which,

- A pinyon, 8 ins. in diam., brs. N. 41 1/2° E., 4 lks. dist., marked T12N R16E S2 BT.
- A cedar, 8 ins. in diam., brs. S. 83° E., 24 lks. dist., marked T12N R16E S11 BT.
- A pinyon, 6 ins. in diam., brs. S. 28 1/4° W., 9 lks. dist., marked T12N R16E S10 BT.
- A pinyon, 8 ins. in diam., brs. N. 29° W., 29 lks. dist., marked T12N R16E S3 BT.

7.27  
12.27  
22.30  
32.27

N. 0° 1' W., on true line, bet. frac. secs. 2 and 3. Over rolling, broken land, thru. timber.

Descend 52 ft. to

Ascend 34 ft. to

Thence over gently rolling land.

Intersect 3rd. Standard Parallel N.; 38.67 chs. E. of the reestablished standard cor. of secs. 34 and 35, described in Book "A."

At the point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, in a mound of stone, for closing cor. of frac. secs. 2 and 3, marked on brass cap,

C | C  
S 3 | S 2  
-----  
T12N R16E  
1917

from which,

- A pinyon, 6 ins. in diam., brs. S. 71 1/2° E., 53 lks. dist., marked T12N R16E S2 CC BT.
- A pinyon, 10 ins. in diam., brs. S. 48 1/2° W., 31 lks. dist., marked T12N R16E S3 CC BT.

Land, rolling. Soil, thin and rocky, 2nd rate.

Timber, pinyon and cedar, none.

Undergrowth, buckbrush, short grass.

40.00

From the cor. of secs. 10 and 11, and frac. secs. 2 and 3, West, on a true line, bet. sec. 10, and frac. sec. 3.

Over gently rolling land, thru. timber and undergrowth.

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

S 3  
-----  
S 10  
1917

from which,

- A pine, 24 ins. in diam., brs. N. 69 3/4° W., 24 lks. dist., marked 1/4 S 3 BT.
- A pinyon, 6 ins. in diam., brs. S. 30° W., 77 lks. dist., marked 1/4 S 10 BT.

54.50

Road, brs. NW to Sponsellers ranch and SE. to Heber.

Survey of part of subdivision lines of T12N R16E S5

Chains  
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9 and 10 and fracl. secs. 3 and 4, mkd. on brass cap

T12N R16E  
S 4 | S 3  
S 9 | S 10  
1917

from which,

A juniper, 20 ins. diam., brs. N. 27° E.  
387 lks. dist.; mkd. T 12 N R 16 E S 3 B T.

A pinyon, 18 ins. diam., brs. S. 84 1/4° E.  
368 lks. dist.; mkd. T 12 N R 16 E S 10 B T.

A pine, 28 ins. diam., brs. S. 15° W.  
267 lks. dist.; mkd. T 12 N R 16 E S 9 B T.

A pine, 12 ins. diam., brs. N. 50° W.  
456 lks. dist.; mkd. T 12 N R 16 E S 4 B T.

Land, gently rolling.  
Soil, thin and rocky, 2nd rate.  
Timber, pine, pinyon, juniper and cedar.  
Undergrowth, buckbrush and aldereta.  
Short grass.

15.35  
32.00

N. 0° 2' W. on true line bet. fracl. secs. 3 and 4.  
Over rolling land, through timber and undergrowth.  
Road brs. NW. to Sponseller's ranch and SE. to Heber.  
Intersect 3rd Standard Parallel N., 38.70 chs. E. of the reestablished standard cor. of secs. 33 and 34, described in Book "A."

At the point of intersection  
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 3 and 4, mkd. on brass cap

C | C  
S 4 | S 3  
T12N R16E  
1917

from which,

A juniper, 6 ins. diam., brs. S. 39° E.  
28 lks. dist.; mkd. T 12 N R 16 E S 3 CCBT.

A pine, 24 ins. diam., brs. S. 52 1/4° W.  
168 lks. dist.; mkd. T 12 N R 16 E S 4 CCBT.

Land, gently rolling.  
Soil, sandy, 2nd rate.  
Timber, juniper, pine and pinyon.  
Undergrowth, aldereta and buckbrush.  
Short grass.

80.00

From the cor. of secs. 9 and 10 and fracl. secs. 3 and 4, West on a blank line bet. sec. 9 and fracl. sec. 4.  
Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, in a mound of stone, for cor. of secs. 8 and 9 and fracl. secs. 4 and 5, mkd. on brass cap

T12N R16E  
S 5 | S 4  
S 8 | S 9  
1917

from which,

A pine, 30 ins. diam., brs. N. 57 1/4° E.  
49 lks. dist.; mkd. T 12 N R 16 E S 4 B T.

6 survey of part of the subdivision lines of T12N R16E.

Chains

- A pine, 26 ins. diam., brs. S.  $6\frac{1}{4}^\circ$  E.  
288 lks. dist.; mkd. T 12 N R 16 E S 9 B T.
- A pine, 22 ins. diam., brs. S.  $50^\circ$  W.  
293 lks. dist.; mkd. T 12 N R 16 E S 8 B T.
- A pine, 18 ins. diam., brs. N.  $62^\circ$  W.  
140 lks. dist.; mkd. T 12 N R 16 E S 5 B T.

7.00  
15.65  
32.06

on true line,  
N.  $0^\circ 2'$  W. bet. fracl. secs. 4 and 5.  
Over rolling land, through timber and undergrowth.  
Desc. 61 ft. to  
Bottom of draw, course NE. Asc. gradual slope.  
Intersect 3rd Standard Parallel N., 38.64 chs. E. of the  
reestablished standard cor. of secs. 32 and 33, de-  
scribed in Book "A."  
At the point of intersection,  
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for closing cor. of fracl. secs. 4 and 5, mkd.  
on brass cap

C	C
S 5	S 4
T12N R16E	
1917	

from which,  
A pine, 12 ins. diam., brs. S.  $66\frac{1}{2}^\circ$  E.  
128 lks. dist.; mkd. T 12 N R 16 E S 4 CC BT.  
A pine, 14 ins. diam., brs. S.  $37^\circ$  W.  
64 lks. dist.; mkd. T 12 N R 16 E S 5 CC BT.  
Land, rolling.  
Soil, thin and rocky, 3rd rate.  
Timber, pine, pinyon and cedar.  
Undergrowth, buckbrush.  
Short grass.

24.20  
40.00

From the cor. of secs. 8 and 9 and fracl. secs. 4 and 5,  
West on a true line bet. sec. 8 and fracl. sec. 5.  
Over gently rolling land, through timber and undergrowth.  
Road brs. SE. to Heber and NW. to Mud Tank and Holbrook.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S	5
S	8
1917	

80.00

from which,  
A juniper 8 ins. diam., brs. S.  $4\frac{1}{2}^\circ$  E.  
66 lks. dist.; mkd.  $\frac{1}{4}$  S 8 B T.  
A pinyon, 6 ins. diam., brs. N.  $14^\circ$  E.  
218 lks. dist.; mkd.  $\frac{1}{4}$  S 5 B T.  
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 7, 8 and fracl. secs. 5 and  
6, mkd. on brass cap

T12N R16E	
S 6	S 5
S 7	S 8
1917	

from which,  
A juniper, 6 ins. diam., brs. N.  $21\frac{3}{4}^\circ$  E.  
26 lks. dist.; mkd. T 12 N R 16 E S 5 B T.  
A juniper, 8 ins. diam., brs. S.  $71\frac{1}{2}^\circ$  E.  
27 lks. dist.; mkd. T 12 N R 16 E S 8 B T.  
A juniper, 12 ins. diam., brs. S.  $16^\circ$  W.  
36 lks. dist.; mkd. T 12 N R 16 E S 7 B T.

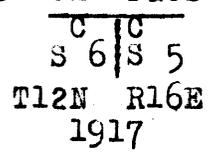
Survey of part of the subdivision lines of T.12 N. R.16 E. 7

Chains

A pinyon, 6 ins. diam, brs. N. 48° W.,  
 33 lks., dist.; mkd. T 12 N R 16 E S 6 B T.  
 Land, gently rolling.  
 Soil, sandy and rocky, 3rd rate.  
 Timber, pine, pinyon, cedar and juniper.  
 Undergrowth, buckbrush.  
 Short grass.

32.08

N. 0° 3' W. on true line bet. frac. secs. 5 and 6.  
 Over gently rolling land, through timber and undergrowth.  
 Intersect 3rd Standard Parallel N., 38.51 chs., E. of the  
 reestablished standard cor. of secs. 31 and 32, de-  
 scribed in Book "A".  
 At the point of intersection  
 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the  
 ground, in a mound of stone, for closing cor. of frac.  
 secs. 5 and 6, marked on brass cap,



from which,  
 A pinyon, 10 ins. diam., brs. S. 23 1/2° E.,  
 18 lks. dist.; mkd. T 12 N R 16 E S 5 CC B T.  
 A pinyon, 6 ins. diam., brs. S. 56° W.,  
 17 lks. dist.; mkd. T 12 N R 16 E S 6 CC B T.  
 Land, gently rolling.  
 Soil, sandy and rocky, 3rd rate.  
 Timber, pine, pinyon, cedar and juniper.  
 Undergrowth, buckbrush.  
 Short grass.

GENERAL DESCRIPTION

of North tier of secs. of Township 12 North, Range 16 East.

Surface: The surveyed portion of this township is rolling and gently rolling, broken by occasional draws and gulches.

Soil: The soil is thin and sandy, often rocky, sometimes rough; classed as 2nd and 3rd rates.

Timber and Vegetation: Cedar and pinyon, in growth varying from dense to scattering, cover the surveyed portion of this township. There is noted also some pine and juniper. All lands surveyed are embraced within the Sitgreaves National Forest. The undergrowth is scant to scattering, and consists of buckbrush and aldereta. Short grass in varying quantities covers the area surveyed.

Drainage and Water Supply: Sec. 1 drains east into Black Canyon; secs. 3 and 5 drain in a general direction NE. into Brookbank Canyon in T. 13 N., R. 16 E. There is no permanent water in the portion of the township surveyed.

Improvements and Settlers: The Forest Homestead of S.U. Porter (H.E.S. No. 551), unpatented at time of survey, cuts the southeast corner of Sec. 1, and there is some cultivated land on the east boundary of Sec. 1. Several unimproved country roads, diverging from Heber, cross the surveyed portion of this township. There are some old "Indian ruins" south of the Stand'd Parallel in Sec. 3.

Industry: The surveyed portion of this township is perhaps best suited for grazing and is more or less practicable for farming. The timber is of little commercial value. No indications of valuable mineral were noticed on the surface.

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Boundaries of East 5 secs. of North tier of sections of  
TOWNSHIP 12 NORTH, RANGE 16 EAST

Table of Latitudes, Departures, and Closing Errors.

Line Designated	True Bearing	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
Subdivisional boundary.	West	400.00				400.00
West Boundary	N.0°03'W.	32.08	32.08			0.03
North Boundary (3rd St. Par.N.)	East S.89°46'E.	361.49 38.74		0.16	361.49 38.74	
East Boundary	South	32.20		32.20		
Convergency					0.03	
Totals			32.08	32.36	400.26	400.03
Error in Latitude				0.28		
Error in Departure					.23	



For

10

CERTIFICATE OF UNITED STATES SURVEYOR.

see Book "A", this group.

BOOK 8878

~~I, \_\_\_\_\_, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, 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 \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.~~

~~U. S. Surveyor.~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

*Phoenix, Arizona June 16*, 1920.

The foregoing field notes of the survey of part of the Subdivision lines of Township 12 North, Range 16 East, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Thos. B. Matthews, U.S. Surveyor,

under ~~his~~ special instructions dated Dec. 1, 1916, for Group 80, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank O. Frost*  
U. S. Surveyor General.

~~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.~~