

3217

63

Book "D"

4-679

BOOK 3217

# FIELD NOTES

OF THE SURVEY OF THE

Part of the North boundary and Subdivision lines, and

All of the West boundary of

TOWNSHIP 23 NORTH, RANGE 11 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of \_\_\_\_\_, Arizona.

EXECUTED BY

Thomas B. Matthews,

In the capacity of U. S. Surveyor, under Special Instructions dated Dec. 17, 1915  
issued by the United States Surveyor General to govern surveys included in Group  
No. 68, which were approved by the Commissioner of the General Land  
Office, January 7, 1916, and Assignment Instructions dated Feb. 3, 1916

Survey commenced March 15, 1916.

Survey completed March 20, 1916.

3217

3217

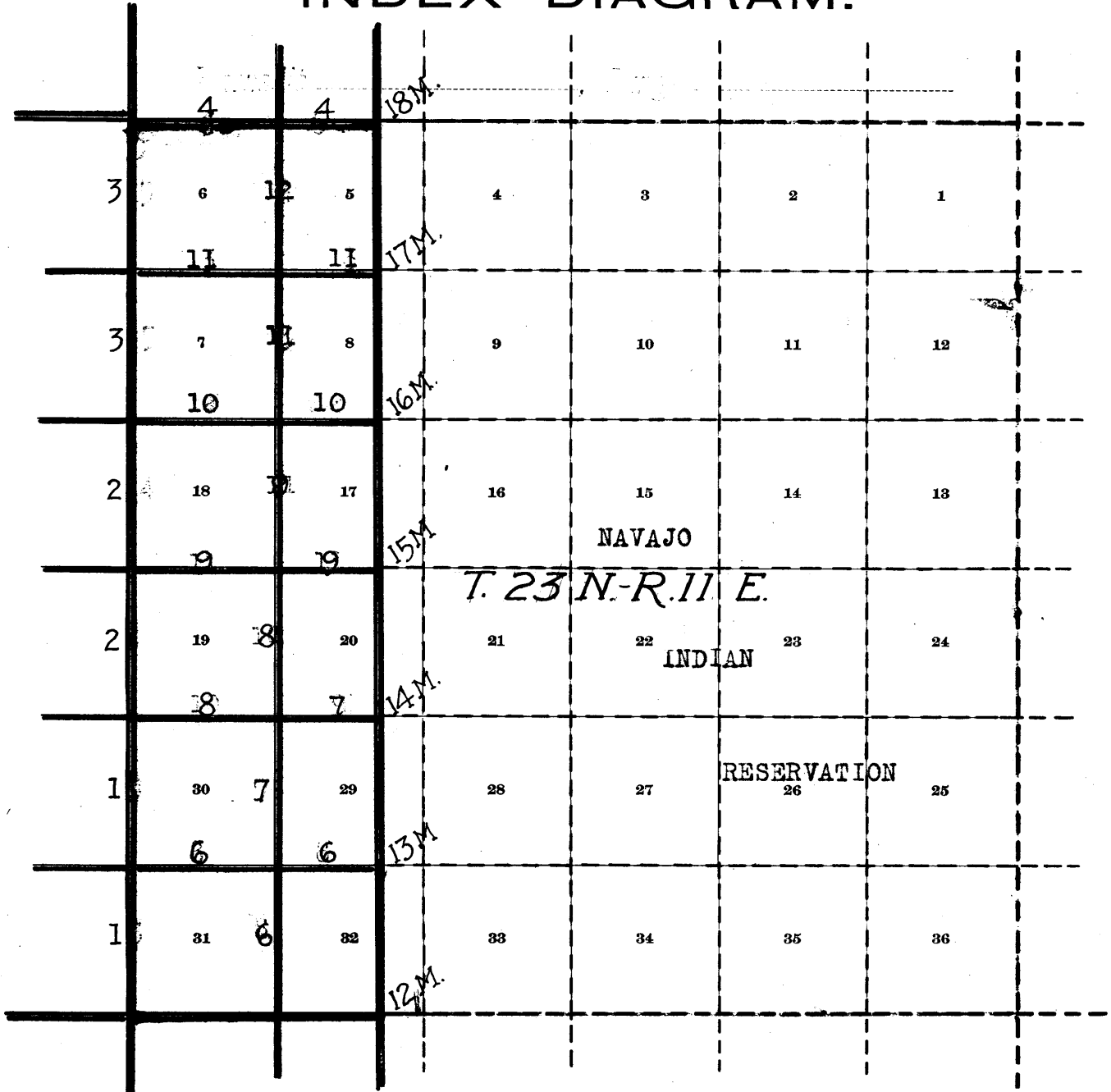
64  
1A

Book "D"

Group 68 - - - Arizona.

BOOK 3217

INDEX DIAGRAM.



- Lines surveyed under this Group. Notes in this book.
- Lines surveyed under this Group. Notes in Book "A."
- Lines surveyed under this group. Notes in Book "C."
- Lines surveyed under this group. Notes in Book "E."
- Lines surveyed under this Group. Notes in Book "F."
- Lines surveyed under this group. Notes in Book "G."
- - - - -** Unsurveyed.

18

Survey of West bdy. of T. 23 N., R. 11 E.  
Part of North bdy. of T. 23 N., R. 11 E.  
Part of Subdivision lines of T. 23 N., R. 11 E.

Chains

Surveys executed by ~~dates shown on diagram on page 14r.~~  
hereof, by ~~Thomas B. Matthews, U.S. Surveyor using a Buff &~~  
~~Buff light mountain transit No. 10124, with solar attachment~~  
From recent and repeated field tests of the transit and  
solar attachment on a meridian established by obser-  
vations on Polaris the instrument is known to be in  
satisfactory adjustment.  
For complete description of instrument together with a  
record of approval and tests, see beginning of notes  
in book "A".

West bdy. of T. 23 N., R. 11 E.

From the cor. of Ts. 22 and 23 N., Rs. 10 and 11 E., desc.  
scribed in Book "C," 11 E., described in Book "C",  
North bet. secs. 31 and 36.

16.68  
40.00

Over mountainous land, through scattering undergrowth.  
Asc. SE. slope 118 ft. to  
Summit of hill. Desc. N. slope, 229 ft. to  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for 1/4 sec. cor., mkd. on brass cap

1/4  
S36 | S31  
1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.  
dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.  
high, W. of cor.

43.90  
57.22  
80.00

Desc. gradual slope.  
Bottom of draw, course SE.  
Asc. SE. slope, 168 ft. to  
Thence over rolling bench.  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
ground, for cor. of secs. 25, 30, 31 and 36, mkd. on  
brass cap

T23N  
R10E R11E  
S25 | S30  
S36 | S31  
1916

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft.  
dist.; and raise a mound of earth, 4 ft. base, 2 ft.  
high, W. of cor.

Land, rolling mountainous.  
Soil, gravelly and volcanic ashes, 24 ins. deep.  
No timber.  
Undergrowth, scattering rabbit brush.  
Fair grass.

6.80  
40.00

North bet. secs. 25 and 30.  
Over rolling land, descending gradual NE. slope.  
Grand Falls on Little Colorado River brs. N. 35 1/2° E.  
Edge of descent brs. NE. and SW. Desc. 223 ft. to  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for 1/4 sec. cor., mkd. on brass cap

1/4  
S25 | S30  
1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.  
dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.  
high, W. of cor.

Chains

80.00 Desc. gradual slope, .81 ft.  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, mkd. on brass cap

T23N  
R10E R11E  
S24|S19  
S25|S30  
1916

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, coarse gravelly, 24 ins. deep.

No timber.

No undergrowth.

Fair grass.

19.92 North bet. secs. 19 and 24.  
40.00 Desc. gradual NE. slope, 110 ft. to Foot of descent. Thence across grassy flat.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4  
S24|S19  
1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, mkd. on brass cap

T23N  
R10E R11E  
S13|S18  
S24|S19  
1916

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.

Soil, coarse gravel.

No timber.

No undergrowth.

Short grass.

40.00 North bet. secs. 13 and 18.  
Over gently rolling prairie land.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4  
S13|S18  
1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, mkd. on

West boundary of Tn. 23 N., R. 11 E., S. 11.

Chains

brass cap

T23N  
 R10E R11E  
 S12 | S 7  
 S13 | S18  
 1916

dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.  
 Soil, coarse, gravel 24 ins. deep.  
 No timber.  
 No undergrowth.  
 Fair grass.

40.00

North bet. secs. 7 and 12.  
 Over rolling prairie land.  
 Set an iron post, 3 ft. long, 1 in; diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

1  
 ↑  
 S12 | S 7  
 1916

and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, mkd. on brass cap

T23N  
 R10E R11E  
 S 1 | S 6  
 S12 | S 7  
 1916

and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, gently rolling.  
 Soil, coarse gravel and rocky; volcanic ash, 18 ins. deep.  
 No timber.  
 No undergrowth.  
 Fair grass.

40.00

North bet. secs. 1 and 6.  
 Over rolling prairie land, through scattering undergrowth.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

1  
 ↑  
 S 1 | S 6  
 1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. W. of cor.

68.00

Dim wagon road brs. E. and W.

80.00

Set an iron post, 3 t. long, 3 ins. diam., 24 ins. in the ground, for cor. of Ts. 23 and 24 N., Rs. 10 and 11 E., marked on brass cap; E., R. 11 E., S. 11. on brass cap

4

West boundary of Tp. 23 N., R. 11 E.

Chains

T24N  
R10E R11E  
S36|S31  
S 1 | S 6  
T23N  
1916

and raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.

Land, gently rolling.

Soil, rocky, coarse gravel and volcanic ash, 18 ins. deep.

No timber.

Undergrowth, scattering rabbit brush.

Fair grass.

Part of the N. bdy. of T. 23 N., R. 11 E.

From the cor. of Ts. 23 and 24 N., Rs. 10 and 11 E., hereinbefore described, 24 N., R. 11 E., hereinbefore described.

East on a random line along N. bdy. of Tp., setting temp.

$\frac{1}{4}$  sec. and sec. cors. at intervals of 40 chs. and at

1 mile, 55.00 chs. Intersect W. bdy. of Navajo Indian

Reservation, 14 lks. S. of the 48 mile post thereof,

also cor. of fracl. secs. 5 and 32, described in Book

"A".

Return to cor. of Ts. 23 & 24 N., Rs. 10 and 11 E. Thence,

N. 89° 57' E. on a true line bet. secs. 6 and 31.

Over gently rolling prairie land, through scattering short undergrowth.

40.00 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

$\frac{1}{4}$  S 31  
S 6  
1916

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 6 and 31 and fracl. secs. 5 and 32, mkd. on brass cap

T24N R11E  
S31|S32  
S 6 | S 5  
T23N  
1916

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, W. of corner.

Land, gently rolling.

Soil, volcanic ash, and coarse gravel and rocks.

No timber.

Undergrowth, scattering rabbit brush.

Fair grass.

N. 89° 57' E. bet. fracl. secs. 5 and 32.

Over rolling prairie land, through scattering undergrowth. Rocky rim brs. NE. and SW. Desc. 105 ft. to

27.49  
40.00 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

Part of the North boundary of T. 23 N. R. 11 E.

Chains

$\frac{1}{4}$  S 5  
S. 32  
1916

and raise a mound of stone, 3 ft. base, 2½ ft. high,  
N. of cor.

54.22 Bend in wagon road brs. SE. and SW.

55.00 The cor. of fracl. secs. 5 and 32 and the 18 mile post of  
W. bdy. of Navajo Indian Reservation, descr. in Book "A."

Land, rolling.  
Soil, volcanic ash and rock.  
No timber.  
Undergrowth, scattering rabbit brush.  
Fair grass.

## Survey of

## 6 Part of the Subdivision lines of T. 23 N., R. 11 E.

Chains

From the cor. of secs. 6 and 31 and fracl. secs. 5 and 32 on S. bdy. of Tp., described in book "C", N. 0° 1' E. bet. sec. 31 and fracl. sec. 32. Over gently rolling prairie land.

8.70 Exposed ledge of rock brs. NE. and SW.  
25.00 Exposed ledge of rock brs. NE. and SW.  
40.00 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

$$\begin{array}{c} \frac{1}{4} \\ \hline S31 | S32 \\ \hline 1916 \end{array}$$

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in th ground, for cor. of secs. 30 and 31 and fracl. secs. 29 and 32, mkd. on brass cap

$$\begin{array}{c} T23N R11E \\ \hline S30 | S29 \\ \hline S31 | S32 \\ \hline 1916 \end{array}$$

dig pits, 18 X 18 X 12 ins., in each sec.,  $5\frac{1}{2}$  ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.  
Soil, coarse gravel and rock.  
No timber.  
Undergrowth, none.  
Fair grass.

40.00 East on a random line bet. fracl. secs. 29 and 32. Set temp.  $\frac{1}{4}$  sec. cor.  
55.13 Intersect W. bdy. of Navajo Indian Reservation, 4 lks. S. of the 13 mile post thereof; also, cor. of fracl. secs. 29 and 32, described in Book "A."

Thence S. 89° 57' W. on a true line bet. fracl. secs. 29 and 32. Over gently rolling prairie land.

4.10 W. side of lava flow brs. NE. and SW.  
15.13 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

$$\begin{array}{c} \frac{1}{4} S 29 \\ \hline \frac{1}{4} S 32 \\ \hline 1916 \end{array}$$

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

55.13 The cor. of secs. 30 and 31 and fracl. secs. 29 and 32. Land, gently rolling.  
Soil, coarse gravel and volcanic ash.  
No timber.  
No undergrowth.  
Short grass.

40.00 West on a random line bet. secs. 30 and 31. Set temp.  $\frac{1}{4}$  sec. cor.  
79.92 Intersect W. bdy. of Tp., at the cor. of secs. 25, 30, 31 and 36, hereinbefore described.  
Thence



Part of the Subdivision lines of T. 23 N., R. 11 E.

Chains

East on a true line bet. secs. 30 and 31.  
 Over rolling land.  
 Desc. 342 ft. to  
 39.96 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

$\frac{1}{4}$   $\frac{S}{S}$   $\frac{30}{31}$   
 1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.  
 dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
 high, N. of cor.  
 Desc. gradual slope to  
 50.00 Thence over gently rolling land.  
 53.50 W. side of lava flow brs. NE. and SW.  
 67.50 E. side of lava flow brs. NE. and SW.  
 79.92 The cor. of secs. 30 and 31 and fracl. secs. 29 and 32.  
 Land, rolling.  
 Soil, coarse gravel and rock.  
 No timber.  
 No undergrowth.  
 Fair grass.

N.  $0^{\circ} 1'$  E. bet. sec. 30 and fracl. sec. 29.  
 Over gently rolling land.  
 18.60 E. side of lava flow brs. NE. and SW.  
 34.00 W. side of lava flow brs. NE. and SW.  
 40.00 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

$\frac{1}{4}$   
 S30 | S29  
 1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.  
 dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
 high, W. of cor.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 19 and 30 and fracl. secs.  
 20 and 29, mkd. on brass cap

T23N R11E  
 S19 | S20  
 S30 | S29  
 1916

dig pits, 18 X 18 X 12 ins., in each sec.,  $5\frac{1}{2}$  ft.  
 dist.; and raise a mound of earth, 4 ft. base, 2 ft.  
 high, W. of cor.  
 Land, gently rolling.  
 Soil, coarse gravel and volcanic ash, 26 ins. deep.  
 No timber.  
 No undergrowth.  
 Fair grass.

East on a random line bet. fracl. secs. 20 and 29.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 55.09 Intersect W. bdy. of Navajo Indian Reservation, at the  
 1/4 mile post thereof; also cor. of fracl. secs. 20, and  
 29, described in Book "A."  
 Thence  
 West on a true line bet. fracl. secs. 20 and 29.  
 Over rolling land,  
 13.60 W. side of lava flow brs. NE. and SW.  
 15.09 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

80 Part of the Subdivision lines of T<sub>23</sub> N. R. 11 E.

Chains

ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 20  
S 29  
1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

55.09 The cor. of secs. 19 and 30 and frac. secs. 20 and 29. Land, gently rolling. Soil, coarse gravel and volcanic ash, 26 ins. deep. No timber. No undergrowth. Fair grass.

West on a random line bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect W. bdy. of Tp., 25 lks. N. of secs. 19, 24, 25 and 30, hereinbefore described.

Thence N. 89° 58' E.

on a true line bet. secs. 19 and 30.

Over rolling hilly land.

Desc. NE. slope of hill, 145 ft. to

25.00 Thence over gently rolling land.

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

1/4 S 19  
S 30  
1916

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

80.02 The cor. of secs. 19 and 30 and frac. secs. 20 and 29. Land, rolling. Soil, coarse gravelly, 26 ins. deep. No timber. No undergrowth. Fair grass.

N. 0° 1' E. bet. sec. 19 and frac. sec. 20.

Over gently rolling prairie land.

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

1/4  
S19 | S20  
1916

dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 18 and 19 and frac. secs. 17 and 20, mkd. on brass cap

T23N R11E  
S18 | S17  
S19 | S20  
1916

dig pits, 18 X 18 X 12 ins., in each sec., 5 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Part of the Subdivision Mines of Tp. 23 N., R. 11 E.

Chains

Land, gently rolling.  
Soil, coarse cinders, 24 ins. deep.  
No timber.  
No undergrowth.  
Fair grass .

40.00 East on a random line bet. fracl. secs. 17 and 20.  
Set temp. 1/4 sec. cor.  
55.12 Intersect W. bdy. of Navajo Indian Reservation, 1 lk. S.  
of the 15 mile post thereof; also cor. of fracl. secs. 17 and 20, as described in Book "A."

Thence  
15.12 West, on a true line bet. fracl. secs. 17 and 20.  
Over gently rolling land, through scattering sagebrush.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 17  
1/4 S 20  
1916

55.12 and raise a mound of stone, 2 1/2 ft. base, 2 ft. high, N. of cor.

The cor. of secs. 18 and 19 and fracl. secs. 17 and 20.  
Land, gently rolling.  
Soil, coarse cinders, 26 ins. deep.  
No timber.  
Undergrowth, scattering sagebrush.  
Fair grass.

40.00 West on a random line bet. secs. 18 and 19.  
Set temp. 1/4 sec. cor.  
80.02 Intersect W. bdy. of Tp., 4 lks. N. of cor. of secs. 13, 18, 19 and 24, hereinbefore described.

Thence  
40.01 N. 89° 58' E. on a true line bet. secs. 18 and 19.  
Over, gently rolling land, through short undergrowth.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S 18  
1/4 S 19  
1916

80.02 and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

The cor. of secs. 18 and 19 and fracl. secs. 17 and 20,  
Land, gently rolling.  
Soil, coarse gravel, 26 ins. deep.  
No timber.  
Undergrowth, scattering rabbit brush.  
Fair grass.

40.00 N. 0° 1' E. bet. sec. 18 and fracl. sec. 17.  
Over gently rolling prairie land.  
Set an iron post, 3 ft long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

S18 | S17  
1916

and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

10

## Part of the Subdivision lines of Tp. 23 N. R. 11 E

Chains 80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 7 and 18 and fracl. secs. 8 and 17, mkd. on brass cap</p> <p style="text-align: center;">T23N R11E S 7   S 8 S18   S17 1916</p> <p>and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Land, lava field, gently rolling. Soil, coarse gravel and volcanic ash. No timber. No undergrowth. Fair grass.</p>
40.00 55.09	<p>East on a random line bet. fracl. secs. 8 and 17. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect W. bdy. of Navajo Indian Reservation, 9 lks. S. of 6 mile post thereof; also cor. of fracl. secs. 8 &amp; 17, described in "Book "A."</p> <p>Thence S. 89° 54' W. on a true line bet. fracl. secs. 8 and 17. Over gently rolling land.</p>
15.09	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., mkd. on brass cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 8 S 17 1916</p> <p>and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.</p>
55.09	<p>The cor. of secs. 7 and 18 and fracl. secs. 8 and 17. Land, gently rolling lava field. Soil, gravelly and rocky with cinders and volcanic ash. No timber. No undergrowth. Fair grass.</p>
40.00 80.00	<p>West on a random line bet. secs. 7 and 18 Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect W. bdy. of Tp., 5 lks. N. of cor. of secs. 7, 12 13 and 18, hereinbefore described.</p> <p>Thence N. 89° 58' E. on a true line bet. secs. 7 and 18. Over gently rolling land, through scattering rabbit brush.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., mkd. on brass cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 7 S 18 1916</p> <p>and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.</p>
80.00	<p>The cor. of secs. 7 and 18 and fracl. secs. 8 and 17. Land, gently rolling lava field. Soil, coarse gravel, cinders and rock. No timber. Undergrowth, scattering rabbit brush. Fair grass.</p>

Part of the Subdivision of Lands of Tp. 23-N., R. 11-E: 11

Chains

40.00 N. 0° 1' E. bet. sec. 7 and fracl. sec. 8.  
Over gently rolling land, through scattering rabbit brush.  
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

$$\begin{array}{c} \uparrow \\ S\ 7\ | \ S\ 8 \\ \hline 1916 \end{array}$$

80.00 and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 6 and 7 and fracl. secs. 5 and 8, mkd. on brass cap

$$\begin{array}{c} T23N\ R11E \\ S\ 6\ | \ S\ 5 \\ \hline S\ 7\ | \ S\ 8 \\ \hline 1916 \end{array}$$

and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
Land, rolling  
Soil, lava field, coarse cinders and rock.  
No timber.  
Undergrowth, scattering rabbit brush.  
Fair grass.

---

40.00 East on a random line bet. fracl. secs. 5 and 8.  
Set temp.  $\frac{1}{4}$  sec. cor.

55.03 Intersect W. bdy. of Navajo Indian Reservation, 2 lks. N. of the 17 mile post thereof; also cor. of fracl. secs. 5 and 8, described in Book "A".  
Thence  
N. 89° 59' W. on a true line bet. fracl. secs. 5 and 8.  
Over gently rolling prairie land.

15.03 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

$$\begin{array}{c} \frac{1}{4}\ S\ 5 \\ \hline \frac{1}{4}\ S\ 8 \\ \hline 1916 \end{array}$$

55.03 and raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.  
The cor. of secs. 6 and 7 and fracl. secs. 5 and 8.  
Land, gently rolling, lava field.  
Soil, coarse cinders.  
No timber.  
No undergrowth.  
Fair grass.

---

40.00 West on a random line bet. secs. 6 and 7.  
Set temp.  $\frac{1}{4}$  sec. cor.

80.02 Intersect W. bdy. of Tp., 4 lks. N. of cor. of secs. 1, 6, 7 and 12, hereinbefore described.  
Thence  
N. 89° 58' E. on a true line bet. secs. 6 and 7.  
Over gently rolling land, through scattering rabbit brush.

40.01 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

$$\begin{array}{c} \frac{1}{4}\ S\ 6 \\ \hline \frac{1}{4}\ S\ 7 \\ \hline 1916 \end{array}$$

12 Part of the Subdivision lines of Tp. 23 N., R. 11 E.

Chains

80.02 dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.  
 The cor. of secs. 6 and 7 and fracl. secs. 5 and 8.  
 Land, gently rolling.  
 Soil, coarse, 22 ins. deep.  
 No timber.  
 Undergrowth, scattering rabbit brush.  
 Fair grass.

---

40.00 N. 0° 1' E. on a random line bet. sec. 6 and fracl. sec. 5.  
 Set temp. 1/4 sec. cor.

79.94 Intersect N. bdy. of Tp., 3 lks. W. of cor. of secs. 6 and 31 and fracl. secs. 5 and 32, hereinbefore described.  
 Thence  
 S. 0° 2' W. on a true line bet. sec. 6 and fracl. sec. 5.  
 Over gently rolling land.  
 Desc. gradual slope 52 ft. to  
 Dim wagon road brs. E. and W.

11.20 Draw course E.

17.10

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

S 6 1/4 S 5  
1916

79.94 and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
 The cor. of secs. 6 and 7 and fracl. secs. 5 and 8.  
 Land, gently rolling.  
 Soil, coarse cinders and rock.  
 No timber.  
 No undergrowth.  
 Fair grass.

Boundaries of that portion of Township 23 North, Range 11 East, outside of the Navajo Indian Reservation.

LATITUDES, DEPARTURES AND CLOSING ERRORS

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Tp. bdy.	S. 89° 56' W.	135.12		.16		135.12
West Tp. bdy.,	North,	480.00	480.00			
North Tp. bdy.,	N. 89° 57' E.	135.00	.12		135.00	
West bdy. of Navajo Indian Reservation (E. bdy),	South,	480.00		480.00		
Convergency,					.13	
	Totals.		480.12	480.16	135.13	135.12
				480.12	135.12	
	Error in latitude, -----			0.04		
	Error in departure, -----				0.01	

GENERAL DESCRIPTION.

BOOK 3217

This township, situated in the north central portion of the State of Arizona, near the Little Colorado River, lies partly inside and partly outside the Navajo Indian Reservation, and the foregoing notes describe the survey of that portion outside the Reservation.

The surface is rolling, draining NE. The soil is mostly a coarse gravel and volcanic ash.

In the southern part are two large lava flows bearing NE. and SW. There is no timber, and the undergrowth, sage brush and rabbit brush is very scattering. A fair growth of grass is observed in all secs. No settlers or improvements are located in the surveyed portion, and no mineral indications exist. Road NE. to Grand Falls on the Little Colorado river, and SW. to Flagstaff passes thru. sec. 32.

-----

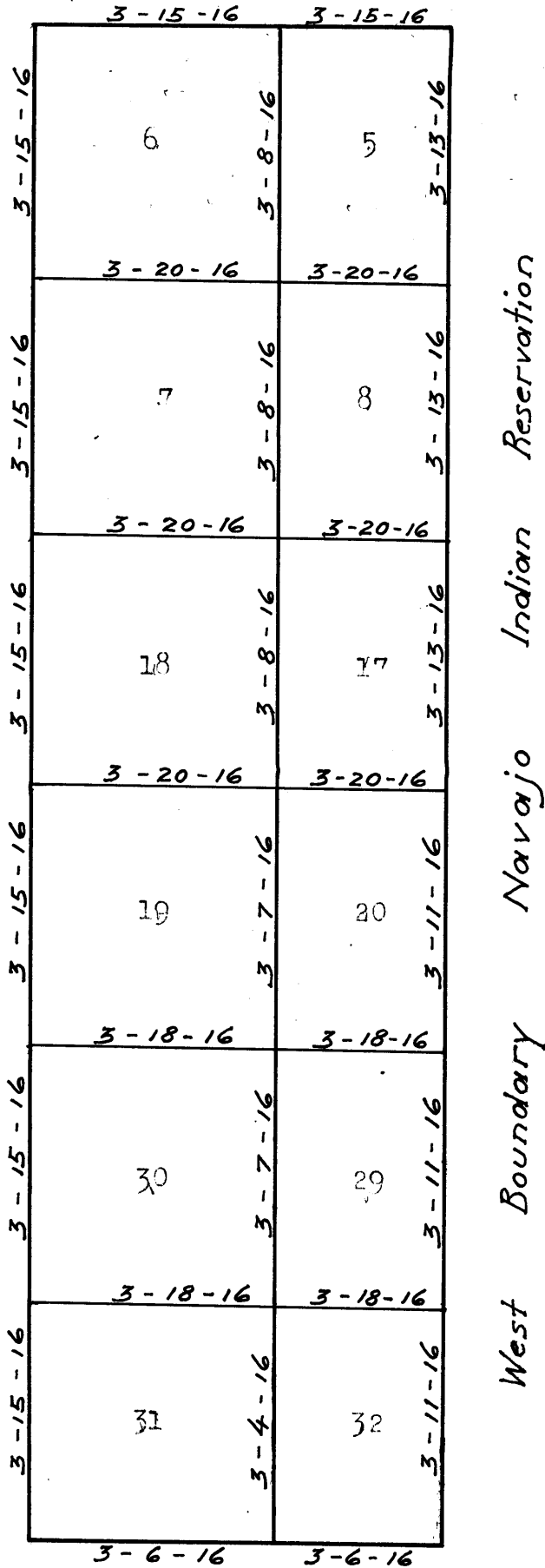
Book "D."

Group 68 - - - Arizona.

Township 23 North, Range 11 East.

BOOK 3217

DATEX DIAGRAM.



Lines surveyed on dates shown by Thomas B. Matthews,  
U.S. Surveyor.





For CERTIFICATE OF UNITED STATES SURVEYOR.  
See Book "B"

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, Jan. 15, 1919

The foregoing field notes of the survey of \_\_\_\_\_

Part of the North boundary and Subdivision lines, and

All of the West boundary of

TOWNSHIP 23 NORTH, RANGE 11 EAST,

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

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

under ~~his~~ special instructions dated Dec. 17, 1915, for Group 68, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

  
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.~~