

3216

Book "C"

4-679

45
①

BOOK 3216

FIELD NOTES

OF THE SURVEY OF THE

West boundary, _____

Part of the North boundary, and _____

Subdivision lines _____

of _____

TOWNSHIP 22 NORTH, RANGE 11 EAST,

3216

Of the Gila and Salt River Base and _____ Meridian,

In the State of _____ Arizona.

EXECUTED BY

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

3216

~~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, Jan. 7, _____, 1916, and Assignment Instructions dated Feb. 3, _____, 1916

Survey commenced March 4, _____, 1916.

Survey completed March 8, _____, 1916.

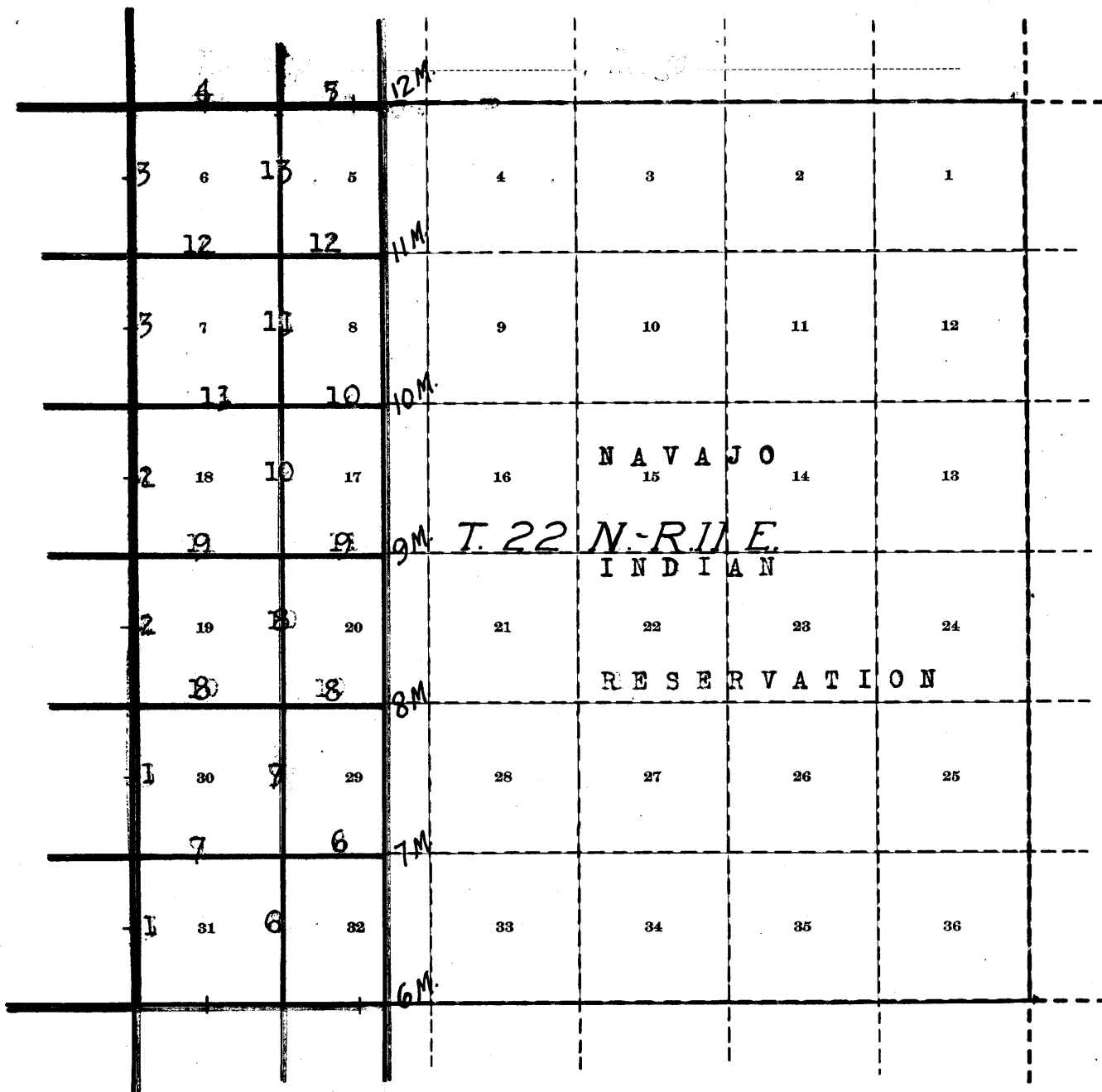
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1A

Book "C."

Group 68 - - - Arizona.

BOOK 3216

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 "B."
- Lines surveyed under this group, notes in Book "D."
- Lines surveyed under this group, notes in Book "E."
- Lines surveyed under this group, notes in Book "H."
- Unsurveyed.

Survey of West Boundary of T. 22 N., R. 11 E.,
Part of North bdy. of T. 22 N., R. 11 E., and
Part of subdivision lines of T. 22 N., R. 11 E.

117

Chains

Work executed by Thomas B. Matthews, U. S. Surveyor, and
Jos. C. Clark, U. S. Transitman, using Buff and Buff
light mountain transit No. 10124 and Young and Sons
light mountain transit no. 8535 respectively, on the
dates shown on the diagram on page 14 of this book.
For description of instruments together with field tests
of same see beginning of notes in books "A" and "B".

West Bdy. of T. 22 N., R. 11 E.

From the cor. of Ts. 21 and 22 N., Rs. 10 and 11 E., de-
scribed in Book "B" as described and post "B",
North bet. secs. 31 and 36.

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

$\frac{1}{4}$
S36 | S31
1916

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

52.78
67.70
69.30
70.78
72.83
72.78
80.00

Wire fence brs. E. and W.
Rocky rim brs. NE. and SW.
Wagon road brs. NE. and SW. Desc. gradual slope.
NW. cor. of Jack Lebaron's ranch house brs. E. $1\frac{1}{2}$ ft.
Center of reservoir brs. W. 150 lks. dist.
Spillway from reservoir brs. NW. and SE.

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

T22N
R10E R11E
S25 | S30
S36 | S31
1916

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

Land, rolling.
Soil, rocky, 14 to 16 ins. deep.
No timber.
Undergrowth, scattering rabbit brush.
Short grass.

North bet. secs. 25 and 30.
Over gently rolling prairie land, through scattering short
undergrowth.

12.81
40.00

Wire fence brs. NW. and SE.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., mkd. on
brass cap

$\frac{1}{4}$
S25 | S30
1916

from which,
A cedar, 12 ins. diam., brs. N. $29\frac{1}{4}^\circ$ E.
77 lks. dist.; mkd. $\frac{1}{4}$ S 30 B T.
A cedar, 16 ins. diam., brs. N. 39° W.
60 lks. dist.; mkd. $\frac{1}{4}$ S 25 B T.

57.18
72.36

San Francisco wash, 120 lks. wide, 3 ft. deep, course E.
Wagon road brs. E. and W.

Chains
80.00

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

T22N
R10E R11E
S24 | S19
S25 | S30
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 prairie.
Soil, rocky and volcanic ash, 14 ins. deep.
Timber, scattering cedar.
Undergrowth, scattering rabbit brush and scrub cedar.
Short grass.

40.00

North bet. secs. 19 and 24.
Over gently rolling land, through scattering short undergrowth.

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

¼
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, 3½ ft. base, 1½ ft. high, W. of cor.

- 50.00 Asc. S. slope of hill 231 ft. to
- 62.00 Top of round hill. Desc. 100 ft. to
- 69.23 Ravine course E. Asc. 63 ft. to
- 72.46 Top of rock ledge brs. E. and W. Desc. 118 ft. to
- 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

T22N
R10E R11E
S13 | S18
S24 | S19
1916

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

Land, low rolling hills.
Soil, coarse gravelly to rocky.
No timber.
Undergrowth, scattering rabbit brush.
Fair grass.

40.00

North bet. secs. 13 and 18 .
Over gently rolling prairie land, through scattering short undergrowth.

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

¼
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, 3½ ft. base, 1½ ft. high, W. of cor.

West Bdy. of T. 22 N. R. 11 E.

Chains
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 brass cap

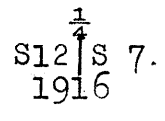


dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, gently rolling.
 Soil, coarse gravel.
 No timber.
 Undergrowth, scattering rabbit brush.
 Short grass.

North bet. secs. 7 and 12.
 Over gently rolling prairie land, through scattering undergrowth.

20.00
40.00

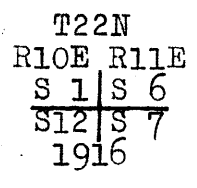
Asc. gentle slope toward mountain.
 Asc. S. slope, 394 ft. to
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap



and raise a mound of stone, 3 ft. base, 1½ ft. high, W. of cor.

57.26
59.26
80.00

Asc. 319 ft. to
 Top of mountain. Thence along E. slope.
 Desc. N. slope of mountain 397 ft. to
 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



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, rolling and mountainous.
 Soil, coarse gravel
 No timber.
 Undergrowth, scattering rabbit brush.
 Thin grass.

North bet. secs. 1 and 6.
 Over slope of mountain.

19.27
23.37
40.00

Desc. 329 ft. to
 Foot of slope at base of mountain brs. E. and W.
 Thence over gently rolling land.
 Wagon road brs. NE. and SW.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

Chains

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

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

Base of volcanic cinder hill brs. NE. and SW. Asc. 251 ft. to

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of Ts. 22 and 23 N., Rs. 10 and 11 E., marked on brass cap, ...

T23N
 R10E R11E
 S36 | S31
 $\frac{1}{4}$ S 1 S 6
 T22N
 1916

dig pits, 24 X 24 X 12 ins., on each line, N. E., and W., 4 ft., and S. of post, 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high, S. of cor. Land, rolling and mountainous. Soil, rocky and volcanic ash, 18 ins. deep. No timber. Undergrowth, scattering brigham brush. Poor grass.

Part of North Bdy. of T. 22N., R. 11 E.

From the cor. of Ts. 22 and 23 N., Rs. 10 and 11 E., hereinbefore described, East on a random line along N. bdy. of T. 22 N., R. 11 E., setting temp. ¼ sec. and sec. cors. at intervals of 40 chs. and at 1 mile 55.12 chs., intersect W. bdy. of Navajo Indian Reservation, 16 lks. S. of the 12 mile post thereof; also cor. of fract. secs. 5 and 32, described in Book "A,"

Return to the cor. of Ts. 22 and 23 N., Rs. 10 and 11 E. hereinbefore described. Thence,

N. 89° 56' E. on a true line bet. secs. 6 and 31.

Over rolling mountainous land. Desc. E. slope of hill, 240 ft. to

24.65 Enter gently rolling land.

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

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

dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft dist.; and raise a mound of earth, 3½ ft. base, 1½ 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 fract. secs. 5 and 32, mkd. on brass cap

T23N R11E
 S31 | S32
 S 6 | S 5
 T22N
 1916

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

Land, rolling and mountainous. Soil, coarse, gravelly and rocky.

Chains

No timber.
Undergrowth, scattering rabbit brush.
Good grass.

N. 89° 56' E. bet. fracl. secs. 5 and 32.

Over rolling prairie land,

3.10
40.00

Wagon road brs. NE. and SW.

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 32
S 5
1916

Dig pits 18x18x12 ins. E. & W. of post, 3 ft. dist., & raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

40.07

Dim wagon road brs. NE. and SW. Asc. gradual slope, 57 ft. to

55.12

The cor. of fracl. secs. 5 and 32 and the 12 mile post of W. bdy. of Navajo Indian Reservation, described in Bk. "A."

Land, rolling.
Soil, gravelly and rocky.
No timber.
No undergrowth.
Good grass.

Chains

From the cor. of secs. 6 and 31 and fracl. secs. 5 and 32,
 on, S. bdy. of Tp., described in book "B",
 N. 0° 1' E. bet. sec. 31 and fracl. sec. 32.
 Over rolling prairie land, through scattering short under-
 growth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. of sec. 31 and fracl. sec. 32,
 mkd. on brass cap

$\frac{1}{4}$
 S31 | S32
 1916

and raise a mound of stone, 3 ft. base, 2 ft. high,
 W. of cor.

51.83 Dim wagon road brs. NE. and SW.
 55.00 Asc. over gradual rolling slope to
 65.65 Top of mound of lava rock. Desc. 28 ft. to
 69.93 Over level land.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 30 and 31 and fracl. secs.
 29 and 32, mkd. on brass cap

T22N R11E
 S30 | S29
 S31 | S32
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, rocky and volcanic ash, 16 ins. deep.
 No timber.
 Undergrowth, scattering rabbit brush.
 Good grass.

40.00 East on a random line bet. fracl. secs. 29 and 32.
 Set temp. $\frac{1}{4}$ sec. cor.
 55.01 Intersect W. bdy. of Navajo Indian Reservation, 6 lks. S.
 of the 7 mile post thereof; also cor. of fracl. secs.
 29 and 32, described in Book "A".
 Thence
 S. 89° 56' W. on a true line bet. fracl. secs. 29 and 32,
 Over gently rolling land, through scattering short under-
 growth.

15.01 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

$\frac{1}{4}$ S 29
 S 32
 1916

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

32.80 Wagon road brs. NE. and SW.
 55.01 The cor. of secs. 30 and 31 and fracl. secs. 29 and 32.
 Land, gently rolling.
 Soil, rock and volcanic ash, 14 ins. deep.
 No timber.
 Undergrowth, scattering rabbit brush.
 Good grass.

Chains

West on a random line bet. secs. 30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor
 80.08 Intersect W. bdy. of Tp., 5 lks. S. of cor. of secs.
 25, 30, 31 and 36, hereinbefore described.
 Thence
 S. $89^{\circ} 58'$ E. on a true line bet. secs. 30 and 31.
 Over rolling prairie land, through scattering undergrowth.
 2.90 Wire fence brs. N. and S,
 10.20 Wagon road brs. NE. and SW.
 40.04 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 30
 S 31
 1916

and raise a mound of stone, 3 ft. base, 3 ft. high,
 N. of cor.
 Asc. 40 ft. to
 55.10 Rock ledge brs. NE. and SW.
 60.10 Rock ledge brs. NW. and SE. Desc. 23 ft. to
 65.00 Thence over rolling land.
 80.08 The cor. of secs. 30 and 31 and frac. secs. 29 and 32.
 Land, rolling.
 Soil, gravelly and rocky.
 No timber.
 Undergrowth, scattering rabbit brush.
 Short grass .

N. $0^{\circ} 1'$ E. bet. sec. 30 and frac. sec. 29.
 Over rolling prairie land, through scattering timber and
 undergrowth.
 20.00 Desc. 23 ft. to
 25.00 Thence over rolling land.
 37.48 San Francisco wash, 83 lks. wide, 5 ft. deep, muddy water,
 course E.
 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

from which,
 A walnut tree, 6 ins. diam., brs. S. $49\frac{1}{4}^{\circ}$ E.
 105 lks. dist.; mkd. $\frac{1}{4}$ S 29 B T.
 A walnut, 8 ins. diam., brs. S. $53\frac{1}{2}^{\circ}$ W.
 132 lks. dist.; mkd. $\frac{1}{4}$ S 30 B T.
 50.05 Wagon road brs. NW. and SE.
 66.08 Old indian ruins bear E. 150 lks. dist.
 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 frac. secs.
 20 and 29, mkd. on brass cap

T22N 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, rolling.
 Soil, volcanic ash, and gravelly, 16 ins. deep.
 Timber, scattering walnut.
 Undergrowth, scattering rabbit brush.
 Good grass.

- Chains
- 40.00 East on a random line bet. fracl. secs. 20 and 29.
Set temp. $\frac{1}{4}$ sec. cor.
- 55.03 Intersect W. bdy. of Navajo Indian Reservation, 2 lks. S.
of the 8 mile post thereof; also, cor. of fracl. secs. 20
and 29, described in Book "A."
- Thence
S. 89° 59' W. on a true line bet. fracl. secs. 20 and 29.
Over gently rolling land, through scattering undergrowth.
- 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
- $\frac{1}{4}$ S 20
 $\frac{1}{4}$ S 29
1916
- and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 2 ft. high,
N. of cor.
- 55.03 The cor. of secs. 19 and 30, and fracl. secs. 20 and 29.
Land, gently rolling.
Soil, sandy loam, 16 ins. deep.
No timber.
Undergrowth, scattering rabbit brush.
Good grass.
-
- 40.00 West on a random line bet. secs. 19 and 30.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect W. bdy. of Tp., 1 lk. N. of cor. of secs. 19,
24, 25 and 30, hereinbefore described.
- Thence
East on a true line bet. secs. 19 and 30.
Over gently rolling land, through scattering undergrowth.
- 40.03 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
- $\frac{1}{4}$ S 19
 $\frac{1}{4}$ S 30
1916
- and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high,
N. of cor.
- 58.57 Wagon road brs. NE. and SW.
- 80.06 The cor. of secs. 19 and 30 and fracl. secs. 20 and 29.
Land, gently rolling prairie.
Soil, sandy loam.
No timber.
Undergrowth, scattering rabbit brush.
Short grass.
-
- N. 0° 1' E. bet. secs 19 and fracl. sec. 20.
Over gently rolling prairie land, through scattering under
growth.
- 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
- $\frac{1}{4}$
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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.
high, W. of cor.
- 51.00 Wagon road brs. NE. and SW.
- 61.20 Wagon road brs. NE. and SW.
- 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 fracl. secs.
17 and 20, mkd. on brass cap

Subdivision of T. 22 N., R. 11 E.

Chains

T22N 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.

Land, gently rolling prairie
Soil, coarse gravel to rocky, 14 ins. deep.
No timber.
Undergrowth, scattering rabbit brush.
Short grass.

40.00 East on a random line bet. frac. secs. 17 and 20.
Set temp. 1/4 sec. cor.

55.04 Intersect W. bdy. of Navajo Indian Reservation 4 lks. N. of the 9 mile post thereof; also cor. of frac. secs. 17 and 20, described in Book "A."

Thence
N. 89° 57' W. on a true line bet. frac. secs. 17 and 20.
Over rolling land, through scattering undergrowth.

15.04 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
S 20
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.

Asc. 43 ft. to
33.30 Top of rocky ridge brs. NW. and SE. Desc. 146 ft. to

45.00 Thence over nearly level land.

49.30 Wagon road brs. NE. and SW

55.04 The cor. of secs. 18 and 19 and frac. secs. 17 and 20.

Land, rolling and hilly.
Soil, gravelly and rocky.
No timber.
Undergrowth, scattering rabbit brush.
Fair grass.

40.00 West on a random line bet. secs. 18 and 19.
Set temp. 1/4 sec. cor.

80.05 Intersect W. bdy. of Tp., 5 lks. N. of cor. of secs. 13, 18, 19 and 24, hereinbefore described.

Thence
N. 89° 58' E. on a true line bet. secs. 18 and 19.
Over gently rolling land, through scattering short undergrowth.

40.03 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
S 19
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.

55.30 Asc. 180 ft. to
Top or rocky rim brs. NW. and SE. Thence over rolling land.

72.00 Rocky rim brs. N. and S. Desc. 112 ft. to

Chains
80.06

The cor. of secs. 18 and 19 and fracl. secs. 17 and 20.
Land, rolling and hilly.
Soil, gravelly and rocky, 16 ins. deep.
No timber.
Undergrowth, scattering rabbit brush.
Good grass.

19.94
24.93
35.00
40.00

N. 0° 1' E. bet. sec. 18 and fracl. sec. 17.
Over rolling hilly land, through scattering undergrowth.
Asc. SE. slope 87 ft. to
Thence along E. slope descending gradually.
Rock ledge brs. E. and W. Asc. 69 ft. to
Thence over gently rolling land.
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

1
S18 | S17
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.

45.00
63.72
73.71
80.00

Asc. 483 ft. to
Rim of crater.
Bottom of crater bears W. 5 chs. dist.; 100 ft. below line.
Asc. 69 ft. to
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

T22N R11E
S 7 | S 8
S18 | S17
1916

and raise a mound of stone, 3 ft. base, 2 ft. high,
W. of cor.

Land, rolling and mountainous.
Soil, coarse gravelly and rocky with cinders and volcanic
ash, 16 ins. deep.
No timber.
Undergrowth, scattering rabbit brush.
Fair grass.

40.00
55.05
4.30
15.05

East on a random line bet. fracl. secs. 8 and 17.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Navajo Indian Reservation, 12 lks.
N. of 10 mile post thereof; also cor. of fracl. secs. 8,
and 17, described in Book "A. " Thence,
N. 89° 53' W., on a true line, bet. fracl. secs. 8 and 17.
Over rolling land, thru scattering short undergrowth.
Road brs. N. and S.
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 8
S 17
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.

Subdivision of T. 22 N. R. 11 E. 11

Chains
 16.50 Foot of volcanic crater brs. N. and S. Asc. 598 ft. to
 50.30 Summit of rim of crater brs. NW. and SE. Desc. 102 ft.
 into crater.
 55.05 The cor. of secs. 7 and 18 and fracl. secs. 8 and 17.
 Land, rolling and mountainous.
 Soil, coarse gravel and volcanic ash, 18 ins. deep.
 No tiber.
 Undergrowth, scattering rabbit brush.
 Fair grass.

West on a random line bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.22 Intersect W. bdy. of Tp., at the cor. of secs. 7, 12, 13
 and 18, hereinbefore described.
 Thence
 East on a true line bet. secs. 7 and 18.
 Over rolling land, through scattering short undergrowth.
 20.00 Asc. 107 ft. to
 27.82 Summit of rim brs. NE. and SW.
 40.11 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 7
 S 18
 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.
 49.97 Foot of volcanic crater brs. NE. and SW. Asc. NW. slope,
 413 ft. to
 52.41 Rim of crater brs. NE. and SW. Thence along S. slope.
 80.22 The cor. of secs. 17 and 18 and fracl. secs. 8 and 17.
 Land, mountainous.
 Soil, rocky.
 No timber.
 Undergrowth, scattering rabbit brush.
 Fair grass.

N. 0° 1' E. bet. sec. 7 and fracl. sec. 8.
 Asc. SW. slope, 45 ft. out of crater.
 2.82 Top of mountain brs. E. and W. Desc. N. slope of hill,
 627 ft. to
 33.33 Foot of volcanic crater brs. E. and W. Thence desc. 29
 ft. over rolling slope.
 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

S 7 | S 8
 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. 6 and 7 and fracl. secs.
 5 and 8, mkd. on brass cap

T22N R11E
 S 6 | S 5
 S 7 | S 8
 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.

12

Subdivision of T. 22 N. R. 11 E.

Chains

- Land, rolling and mountainous.
Soil, gravelly, 18 ins. deep.
No timber.
No undergrowth.
Fair grass.
-
- 40.00 East on a random line bet. fracl. secs. 5 and 8.
Set temp. $\frac{1}{4}$ sec. cor.
55.10 Intersect W. bdy. of Navajo Indian Reservation, 18 lks. N.
of 11 mile post thereof; also cor. of fracl. secs. 5 and
8, described in Book "A."
Thence
N. $89^{\circ} 49'$ W. on a true line bet. fracl. secs. 5 and 8.
Over rolling land,
4.20 Wagon road brs. N. and S.
15.10 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
- $$\frac{1}{4} \begin{array}{r} S \\ \hline S \end{array} \begin{array}{r} 5 \\ \hline 8 \end{array}$$
- 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.
55.10 The cor. of secs. 6 and 7, and fracl. secs. 5 and 8.
Land, rolling.
Soil, coarse gravelly, 24 ins. deep.
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.
80.00 Intersect W. bdy. of Tp., 6 lks. N. of cor. of secs. 1,
6, 7 and 12, hereinbefore described.
Thence
N. $89^{\circ} 57'$ E. on a true line bet. secs. 6 and 7.
Over rolling mountainous land, through scattering under-
growth.
5.00 Desc. 265 ft. to
30.00 Thence over rolling land.
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
- $$\frac{1}{4} \begin{array}{r} S \\ \hline S \end{array} \begin{array}{r} 6 \\ \hline 7 \end{array}$$
- 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.
80.00 The cor. of secs. 6 and 7, and fracl. secs. 5 and 8.
Land, rolling and hilly.
No timber.
Undergrowth, scattering brigham brush.
Soil, gravel and volcanic ash, 18 ins. deep.
Fair grass.
-

Subdivision of Township 22 North, Range 11 East.

- Chains. N.0°1'E., on a random line, bet. sec. 6 & frac. sec. 5.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.97 Intersect N. bdy. of Tp. 1 lk. W. of the cor. of secs. 6 and 31, & frac. secs. 5 & 32, here in before described.
- Thence,
- S.0°1'W., on a true line, bet. sec. 6, and frac. sec. 5.
- Over gently rolling land, thru. scattering short undergrowth.
- 1.77 Wagon road, brs. NE. and SW.
- 39.97 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,

S 6 1/2 S 5
1916

- 79.97 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of cor. The cor. of secs. 6 and 7, and frac. secs. 5 and 8.
- Land, gently rolling.
- Soil, gravelly and volcanic ash, 24 ins. deep.
- No timber.
- Undergrowth, scattering rabbit brush.
- Short grass.

Boundaries of that portion of Township 22 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° 57' W.	135.02		.12		135.02
West Tp. bdy.	North,	480.00	480.00			
North Tp. bdy.,	N. 89° 56' E.	135.12	.16		135.12	
W. bdy. N. I. R.,						
(E. bdy.),	South,	480.00		480.00		
Convergency,					.13	
Totals,			480.16	480.12	135.25	135.02
			480.12		135.02	
Error in latitude,			0.04			
Error in departure,					0.23	

GENERAL DESCRIPTION

This township, situated in the north central part of the State of Arizona, lies partly inside and partly outside the Navajo Indian Reservation. The portion subdivided, as described in the foregoing notes is that portion situated outside the Reservation, and with the exception of an old crater of extinct volcano in NE. $\frac{1}{4}$ of sec. 18, a mountain in NW. $\frac{1}{4}$ of sec. 7, and several rocky hills, the surface is rolling. The soil is gravelly and rocky, mixed with volcanic ashes, coarse texture, 3rd and 4th rate. There is no timber, and the undergrowth, rabbit brush and brigham brush, is scattering. A fair growth of grass suitable for grazing is found in all secs. The only permanent running water is in San Francisco wash, course easterly, thru. secs. 30 and 29.

There is only one settler, Jack LeBaron, and the greater part of his holding is in adjoining township on the W., though his house, and part of fenced tract is in sec. 31. His improvements are the only ones within the surveyed part of Tp. Indian ruins are observed in sec. 29, and sec. 8. Several roads extend thru. the sections surveyed.

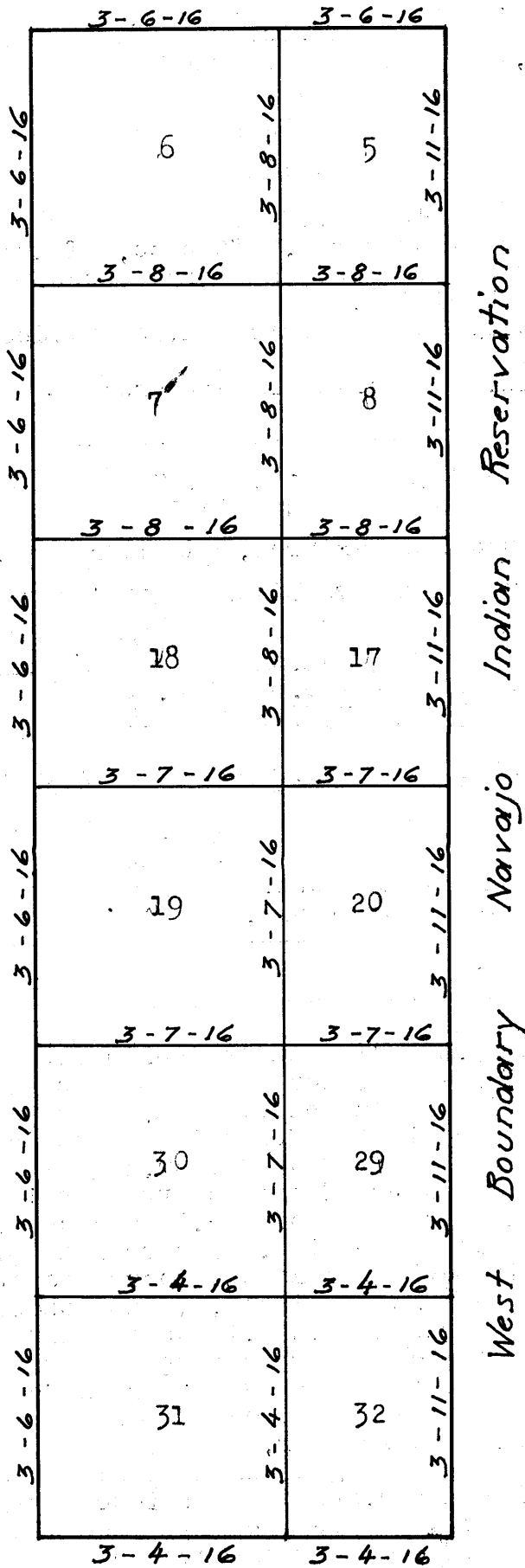
Book "C"

Group 68 - - - Arizona.

Township 22 North, Range 11 East.

BOOK 3216

DATE DIAGRAM.



Surveys executed by Thomas B. Matthews, U.S. Surveyor, on various dates shown hereon.

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

BOOK 3216

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, January 15, 1919

The foregoing field notes of the survey of the West boundary, and part of the North boundary, and


Subdivision lines of

TOWNSHIP 22 NORTH, RANGE 11 EAST.

of the Gila and Salt River Base and 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.~~