

1947

1947

Arizona

1947

BOOK 1947

Survey in Navajo Indian Reservation

1947

1947

Field notes of the Subdivision Lines of Townships. 4, 3 and 2 North, Range 5 West of the Navajo Special Meridian in the Territory of New Mexico surveyed under the direction of Hon. Jas. S. Wilson, Commissioner of the General Land Office, bearing date, Washington D.C. April 29th / 69. and subsequent special instructions, dated May 4th. 1870.

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Commenced November 3rd 1869 and
Completed November 1st 1869.

Names of Assistants

George H. Pradt. Compassman

Charles L. Morton }
Adam Whicker } Chainmen

Alexander Douglas }
Joseph Siebeler } Cornermen

Measuring Chain compared with Standard
as per annual instructions.

4-074.

Township 27. R. 5 W.

Navajo Special Base and Meridian.
BOOK 1947

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

BOOK 1947

Chs. Lks. commenced and completed November 3^d 1869
 North between Secs. 32 and 33.

Va. 13° 55' East.

40.00 Set Sand Stone, 16 x 12 x 3 for 1/4 Sec. cor.
 as per instructions

80.00 Set Sand Stone, 14 x 12 x 3, marked as per
 instructions for the corner to Secs. 28, 29,
 32 and 33.

Surface rolling, Soil 2nd rate. Scattering
 Pinon, cedar, 3rd rate.

Impracticable to project line further by
 reason of mountainous country.

North between Secs. 31 and 32.

Va. 13° 55' East.

40.00 Set Sand Stone, 16 x 10 x 8 for 1/4 Sec. cor.
 as per instructions.

80.00 Deposited marked Stone, set charred post,
 marked, built mound and dug pits, as
 per instructions for the corner to Secs. 29,
 30, 31 and 32.

Surface rolling. Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

East on Random between Secs. 29 and 32.

Va. 13° 55' East.

40.00 Set temporary 1/4 Sec. cor.

80.10 Intersect Section Line 20 Lks. South of corner
 to Secs. 28, 29, 32 and 33.

Then S. 89° 51' West on True Line

Va. 13° 55' East

40.05 Set Sand Stone 18 x 12 x 5 for 1/4 Sec. cor. as
 per instructions.

80.10 Corner to Secs. 29, 30, 31 and 32.
 Surface rolling. Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

West on Random between Secs. 30 and 31.

Va. 13° 55' East.

4-674.

Township 3 N., R. 5 W. BOOK 1947
Navajo Special Base & Meridian

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

7919b5m4-08

BOOK 1947

4-674.

Township 4 N., R. 5 W.
Navajo Special Base and Meridian

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

7919b5m4-08

Obs. - Lks

40.00 Set temporary $\frac{1}{4}$ Sec. cor.
 79.60 Intersect Range Line 12 lks South of cor.
 to Secs. 25, 30, 31 and 36

Then S. $89^{\circ} 55'$ E. on True Line.
 Va. $13^{\circ} 55'$ East

39.60 Set Sand Stone, $14 \times 12 \times 3$, for $\frac{1}{4}$ Sec. cor. as
 per instructions

79.60 Corner to Secs. 29, 30, 31 and 32.
 Surface rolling, Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

North between Secs. 29, and 30.

Va. $13^{\circ} 55'$ East.

40.00 Set Charred post. Built mounds and dug pits
 for $\frac{1}{4}$ Sec. cor. as per instructions.

60.00 Set Sand Stone $16 \times 12 \times 4$ marked as per
 instructions, for the corner to Secs. 19, 20
 29 and 30.

Surface rolling, Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

West on Ransom between Secs. 19 and 30.

Va. $13^{\circ} 55'$ East

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

79.80 Intersect Range Line 18 lks. South of corner.
 to Secs. 19, 24, 25, and 30.

Then S. $89^{\circ} 52'$ E. on True Line
 Va. $13^{\circ} 55'$ East.

39.80 Set Sand Stone, $16 \times 10 \times 4$, for $\frac{1}{4}$ Sec. cor. as
 per instructions.

79.80 Corner to Secs. 19, 20, 29, and 30.
 Surface level. Scattering Pinon and
 cedar, 3rd rate. Soil 1st rate.

North between Secs. 19 and 20.

Va. $13^{\circ} 55'$ East.

Chs. 21 & 22

40.00 Set Sand Stone, 15 x 12 x 3, for $\frac{1}{4}$ Sec. cor.
as per instructions.

80.00 Set Sand Stone 18 x 16 x 6, marked as per in-
structions for the corner to Secs. 17, 18, 19 and
20.

Surface rolling, Scattering Pinon, and
cedar, 3rd rate. Soil 2nd rate.

Nest on Random between Secs. 18 and 19.
Ya. 13° 55' East.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

79.40 Intersect Range Line 8 lks. north of cor.
to Secs. 13, 18, 19 and 24.

Then N. 89° 57' E. on True Line.

Ya. 13° 55' East.

39.40 Set Sand Stone 12 x 12 x 8, for $\frac{1}{4}$ Sec. cor.
as per instructions.

79.40 Corner to Secs. 17, 18, 19 and 20.

Surface rolling, Scattering Pinon and
cedar, 3rd rate. Soil 2nd rate.

General Description of
Fractional Township 4 North, Range 5 West of
the Navajo Special Meridian

The land in this Township is generally
scatteringly covered with cedar and
Pinon, 3rd rate. The surface is mostly
rolling and soil 2nd rate.

It is well adapted to farming and
grazing purposes.

Township 3 North, Range 5 West commenced
November 4th and completed November 6th/69

Measuring chain compared with standard
and found correct.

Chs. Lts From corner to Secs. 1, 2, 35 and 36, South
 on True Line, between Secs. 1 and 2.

Va. $13^{\circ} 42'$ East

40.00 Set charred post, built mound and dug pits
 for $\frac{1}{4}$ Sec. cor. as per instructions.

57.00 Trail, bears N. E. and S. W.

76.00 Trail, bears N. N. E. and S. S. W.

80.00 Deposited marked Stone, set charred post
 marked; built mound and dug pits, as
 per instructions, for the corner to Secs.
 1, 2, 11 and 12.

Surface rolling, Soil 2nd rate, Prairie.

East on True Line between Secs. 1 and 12.

Va. $13^{\circ} 42'$ East

16.50 Foot of Bluff, bears North and South,
 Impracticable to project line further,
 therefore set sand stone, $16 \times 12 \times 7$, marked
 "W. C." for Witness Corner.

Surface rolling, Soil 2nd rate, Prairie.

South on True Line between Secs. 11 and 12.

Va. $13^{\circ} 42'$ East

40.00 Set sand Stone, $14 \times 12 \times 3$ for $\frac{1}{4}$ Sec. cor. as
 per instructions.

45.14 Bluff bears N. E. and S. W. Impracticable
 to proceed further, therefore set as Witness
 Corner, sand Stone, $14 \times 10 \times 8$, marked "W. C."
 Surface rolling, Prairie, Soil 2nd rate,

From corner to Secs. 1, 2, 11 and 12, West
 on True Line between Secs. 2 and 11.

Va. $13^{\circ} 42'$ East

40.00 Set charred post, built mound and dug
 pits, for $\frac{1}{4}$ Sec. cor. as per instructions

80.00 Set sand Stone, $16 \times 10 \times 4$ marked as per
 instructions for the cor to Secs 2, 3.

5 Chs. 21 1/2
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10 and 11
 Surface rolling, Scattering Pinon
 and Cedar, 3rd rate. Soil 2nd rate.

South on True Line between Secs. 10 and 11.
 Va. 13° 42' East.

40.00 Set Sand Stone, 20 x 12 x 3, for 1/4 Sec. cor.
 as per instructions.

43.50 Small bears N. E and S. W.

80.00 Set Sand Stone, 16 x 10 x 4, marked as per
 instructions, for the corner to Secs. 10, 11,

14 and 15.

Surface rolling, Scattering Pinon and
 Cedar, 3rd rate, Soil 2nd rate.

North on Random between Secs. 2 and 3.
 Va 13° 42' East.

40.00 Set temporary 1/4 Sec. cor.

46.50 Leave Scattering timber, bears East and West.

80.00 Intersect Township Line 18 kts. East.
 of corner to Secs. 2, 3, 34 and 35.

Then S. 00° 08' E on True Line.

Va. 13° 42' East.

40.00 Set Sand Stone 16 x 10 x 6, for 1/4 Sec. cor.
 as per instructions.

80.00 corner to Secs. 2, 3, 10 and 11.

Surface rolling, Scattering Pinon and
 Cedar, 3rd rate, Soil 2nd rate.

North between Secs. 32 and 33.

Va. 13° 42' East.

40.00 Set Sand Stone, 16 x 10 x 6, for 1/4 Sec. cor. as per
 instructions.

80.00 Set Sand Stone, 20 x 12 x 4, marked as per
 instructions, for the corner to Secs. 28, 29,
 32 and 33.

Surface rolling, Soil 2nd rate. Scattering
 Pine, Pinon and Cedar, 3rd rate.

Chs. Lks

East on True Line, between Secs. 28 and 33
 Ta. $13^{\circ}42'$ East.

- 14.00 Foot of Bluff, bears North and South.
 19.00 Summit of same.
 20.10 Begin descent of same.
 25.00 Foot of same.
 25.50 Trail, bears North and South
 37.00 Trail, bears North and South.
 40.00 Set Sand Stone $16 \times 14 \times 3$ for $\frac{1}{4}$ Sec. cor.
 as per instructions.
 42.20 Foot of Bluff, 200 ft. high, bears North and
 South. Impracticable to project line further.
 Surface rolling, Scattering Pinon and be-
 dar. 3rd rate. Soil 2nd rate.

North between Secs. 28 and 29.
 Ta. $13^{\circ}42'$ East.

- 40.00 Set charred post, built mound and dug
 pits for $\frac{1}{4}$ Sec. cor. as per instructions.
 58.50 Set Sand Stone $18 \times 16 \times 3$, marked as per
 instructions for the corner to Secs. 20,
 21, 28 and 29. Surface rolling, Soil
 2nd rate. Scattering Pinon and cedar
 3rd rate.

East on True Line between Secs 21 and 28.
 Ta. $13^{\circ}42'$ East.

- 20.38 Sand Stone bluff, 80 ft. high, bears North and South.
 40.00 Set Sand Stone $18 \times 10 \times 8$ for $\frac{1}{4}$ Sec. cor. as per
 instructions.
 50.10 Leave bluff.
 56.50 Trail, bears North and South.
 56.57 Foot of bluff, bears North and South. Im-
 practicable to project line further, therefore
 set as Witness corner, Sand Stone $16 \times 12 \times 7$
 marked "W. C".
 Surface rolling, Scattering Pinon and
 cedar.
 3rd rate, Soil 3rd rate.

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Chs. 2Ks

- North between Secs 20 and 21.
 Ya. $13^{\circ} 42'$ East.
- 19.00 Descend hill, bears East and West.
 20.00 Leave same.
 40.00 Set temporary post, built mound and dug pits for $\frac{1}{4}$ Sec. cor. as per instruction.
 80.00 Deposited marked stone, set charred post, marked, built mound and dug pits as per instructions for the corner to Secs. 16, 17, 20 and 21.
 Surface rolling, Prairie, Soil 2nd rate
-
- East on True Line between Secs. 16 and 21.
 Ya. $13^{\circ} 42'$ East
- 33.60 Leave timber, bears North and South.
 40.00 Set sand stone, $20 \times 12 \times 5$, for $\frac{1}{4}$ Sec. cor. as per instructions.
 47.50 Trail, bears North and South.
 80.00 Set sand stone $16 \times 14 \times 3$, marked as per instructions for the corner to Secs. 15, 16, 21 and 22.
 Surface rolling, mostly prairie, Soil 2nd rate.
-
- South on True Line between Secs. 21 and 22.
 Ya. $13^{\circ} 42'$ East.
- 30.50 Red sand stone bluff, almost perpendicular, bears East and West, impracticable to project line further, therefore set as Witness Corner. Sand stone $16 \times 8 \times 8$, marked "W. C".
 Surface level. Prairie, Soil 2nd rate.
-
- North between Secs. 15 and 16.
 Ya. $13^{\circ} 42'$ East
- 39.40 Trail, bears N.E. and S.W.
 40.00 Set charred post, built mound and dug pits for $\frac{1}{4}$ Sec. cor. as per instructions.

Chs. Lks

80.00

Deposited marked Stone, set charred post, marked, built mound, and dug pits, as per instructions, for the corner to Secs. 9, 10, 15 and 16.
Surface rolling, Prairie, Soil 2nd rate.

East on Random between Secs. 10 and 15.
Ta. 13° 45' East

40.00

Set temporary 1/4 Sec. cor.

61.00

Trail, bears north and south.

80.16

Intersect Section Line 12 lks. South of corner to Secs. 10, 11, 14 and 15.

40.08

Then S, 89° 55' W. on True Line Ta. 13° 45' East.
Set Sand Stone 18 x 10 x 8 for 1/4 Sec. cor. as per instructions.

80.16

Corner to Secs. 9, 10, 15 and 16.
Surface rolling, Prairie, Soil 2nd rate.

North between Secs. 9 and 10.
Ta. 13° 45' East.

40.00

Set Sand Stone. 15 x 10 x 4, for 1/4 Sec. cor. as per instructions.

46.00

Enter timber, bears East and West.

80.00

Deposited marked Stone, set charred post, marked, built mound and dug pits, as per instructions, for the corner to Secs. 3, 4, 9 and 10.
Surface rolling, mostly prairie, Soil 1st rate.

East on Random between Secs 3 and 10.
Ta. 13° 42' East.

28.40

Leave timber, bears north and south,

40.00

Set temporary 1/4 Sec. cor.

80.08

Intersect Section Line 10 lks. South of corner to Secs. 2, 3, 10 and 11.

Chs. Lks.
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Then S. $89^{\circ} 56' N.$ on True Line
Ta. $13^{\circ} 42' East.$

40.04 Set Sand Stone, $16 + 12 + 3$, for $1/4$ Sec. cor. as per instructions.

80.08 Corner to Secs. 3, 4, 9 and 10.
Surface rolling, partly prairie, Soil 2^d rate.

North on Random between Secs. 3 and 4.
Ta. $13^{\circ} 42' East.$

40.00 Set temporary $1/4$ Sec. cor.

80.10 Intersect Township Line 12 lks. East of corner to Secs. 3, 4, 33 and 34.

Then S. $00^{\circ} 05' E.$ on True Line, Ta. $13^{\circ} 42' East$

40.05 Set Sand Stone, $14 + 12 + 3$, for $1/4$ Sec. cor. as per instructions.

80.10 Corner to Secs 3, 4, 9 and 10.
Surface rolling, Prairie, Soil 2nd rate.

North between Secs. 16 and 17.
Ta. $13^{\circ} 42' East.$

17.80 Spring branch, 10 lks. wide, course west.

31.00 Spring branch, 10 lks wide course west.

40.00 Set charred post, built mounds and dug pits for $1/4$ Sec. cor. as per instructions,

70.00 Gnal, bears N. and S. E.

80.00 Set Sand Stone, $16 + 14 + 3$, marked as per instructions, for the corner to Secs. 8, 9, 16 and 17.
Surface level, Prairie, Soil 1st rate.

East on Random between Secs. 9 and 16.
Ta. $13^{\circ} 42' East.$

10.00 Enter Pinon and cedar, bears north and south

12.40 Foot of bluff.

35.20 Summit of same, bears north and south.

40.00 Set temporary $1/4$ Sec. cor.

49.00 Begin descent of bluff.

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Chs. Lks

80.20 Intersect Section Line 8 lks. South of corner
to Secs. 9, 10, 15 and 16.

40.10 Then S. $89^{\circ} 57'$ W. on True Line. Va. $13^{\circ} 42'$ East
Set Sand Stone, $16 \times 14 \times 8$, for $1/4$ Sec. cor. as
per instructions.

80.20. corner to Secs 8, 9, 16 and 17.
Surface rolling, Scattering Pinon and
cedar, 3rd rate, Soil 2nd rate.

North between Secs. 8 and 9.
Va. $13^{\circ} 42'$ East.

40.00 Set charred post, built mound and dug
pits for $1/4$ Sec. cor. as per instructions

58.00 Ravine, 28 lks. wide. course S. W.

65.50 Ravine. Course S. E.

67.00 Leave Same.

80.00 Deposited marked Stone, set charred post.
marked, built mound and dug pits
as per instructions, for the corner to Secs.
4, 5, 8 and 9.
Surface rolling, Prairie. Soil 2nd rate.

East on Random between Secs. 4 and 9.
Va. $13^{\circ} 42'$ East.

24.60 Enter timber, bears North and South.

35.00 Summit of hill. bears North and South.

40.00 Set temporary $1/4$ Sec. cor.

61.50 Leave timber, bears North and South.

80.04 Intersect Section Line 16 lks. South of
corner to Secs. 3, 4, 9 and 10.

40.02 Then S. $89^{\circ} 53'$ W. on True Line. Va. $13^{\circ} 42'$ East
Set Sand Stone, $18 \times 10 \times 3$, for $1/4$ Sec. cor. as
per instructions.

80.04 corner to Secs. 4, 5, 8, and 9.
Surface rolling, mostly prairie
Soil 2nd rate.

128 Field Notes of the Subdivision Lines of Fractional Township.

Chs. Lks.
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North on Random between Secs. 4 and 5.
Ta. $13^{\circ} 42'$ East.
40.00 Set temporary $\frac{1}{4}$ Sec. cor.
40.50 Enter scattering timber. bears East $\frac{1}{2}$ West.
79.94 Intersect Township Line 20 lks. West of
corner to Secs. 4, 5, 32 and 33.

Then S. $00^{\circ} 09'$ W. on True Line.
Ta. $13^{\circ} 42'$ East.
39.94 Set charred post, built mound and dug pits
for $\frac{1}{4}$ Sec. cor. as per instructions.
79.94 Corner to Secs. 4, 5, 8, and 9.
Surface rolling, mostly prairie, Soil 2nd grade.

North between Secs. 31 and 32.
Ta. $13^{\circ} 42'$ East.
10.00 Leave timber. bears N. W. and S. E.
12.50 Enter Valley. bears N. W. and S. E.
40.00 Set charred post, built mound and dug
pits, for $\frac{1}{4}$ Sec. cor. as per instructions.
80.00 Deposited marked stone, set charred post.
marked, built mound and dug pits as
per instructions, for the cor. to Secs 29,
30, 31 and 32.
Surface rolling, mostly prairie
Soil 2nd grade.

East on Random between Secs. 29 and 32.
Ta. $13^{\circ} 42'$ East.
9.60 Trail. bears North and South.
18.50 Trail bears North and South.
40.00 Set temporary $\frac{1}{4}$ Sec. cor.
46.10 Dry bed of creek 100 lks wide, course South
79.00 Trail. bears North and South.
79.78 Intersect Section Line 20 lks. South of
corner to Secs. 28, 29, 32 and 33.

Then S. $89^{\circ} 51'$ W. on True Line. Ta. $13^{\circ} 42'$ East
39.89 Set charred post built mound and dug pits
for $\frac{1}{4}$ Sec. cor. as per instructions.

Chs - ERS

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79.78 Corner to Secs. 29, 30, 31 and 32.
Surface level. Prairie. Soil 1st rate.

West on Random between Secs. 30 and 31.
Va. 13° 42' East

23.00 Foot of hill and enter timber, North & South.

40.00 Set temporary 1/4 Sec. cor.

79.04 Intersect Range Line 8 Ets. South of
corner to Secs. 25, 30, 31, and 36.

39.04 Then S. 89° 57' E. on True Line Va. 13° 42' East.
Set Sand Stone, 18 x 12 x 10, for 1/4 Sec. cor. as
per instructions.

79.04 Corner to Secs. 29, 30, 31, and 32
Surface rolling, partly prairie. Soil 2^d rate.

North between Secs. 29 and 30.
Va. 13° 45' East

19.00 Hill, bears N. E.

22.50 Leave same.

40.00 Set Sand Stone .16 x 10 x 3, for 1/4 Sec. cor. as
per instructions.

55.20 Enter Scattering timber, bears East and West.

80.00 Set Sand Stone. 26 x 20 x 8, marked as per
instructions. for the corner to Secs. 19, 20,
29 and 30.

Surface rolling, prairie mostly, Soil 2nd rate

East on Random between Secs. 20 and 29.
Va. 13° 42' East.

9.00 Trail, bears North and South

40.00 Set temporary 1/4 Sec. cor.

59.65 Dry bed of creek, 50 Ets. wide course South

79.60 Intersect Section Line 12 Ets. South of corner to
Secs. 20, 21, 28 and 29.

Then S. 89° 55' N. on True Line Va. 13° 42' East

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Chs. 2 & 3

39.80 Set charred post, built mound and dug pits, for 1/4 Sec. cor. as per instructions
 49.60 corner to Secs. 19, 20, 29, and 30.
 Surface rolling, mostly prairie.
 Soil 2nd rate.

West on Random between Secs. 19 and 30.
 Va. 13° 45' East.

40.00 Set temporary 1/4 Sec. cor.
 49.26 Intersect Range Line at corner to Secs. 19, 24, 25 and 30.

Then East on True Line. Va. 13° 45' East

39.26 Set Sand Stone 18x10+3 for 1/4 Sec. cor. as per instructions.
 49.26 corner to Secs. 19, 20, 29 and 30.
 Surface rolling, Scattered ^{Thin} Union and bedar, 3rd rate, Soil 2nd rate.

North between Secs. 19 and 20.
 Va. 13° 45' East.

3.00 Leave timber, bears East and West
 40.00 Set charred post, built mound and dug pits, for 1/4 Sec. cor. as per instructions.
 67.00 Trail bears N. N. W. and S. S. E.
 80.00 Set Sand Stone 14x12+3, marked as per instructions for the corner to Secs. 17, 18, 19 and 20.
 Surface gently rolling, Prairie.
 Soil 1st rate.

East on Random between Secs. 17 and 20
 Va. 13° 42' East.

40.00 Set temporary 1/4 Sec. cor.
 49.50 Dry bed of creek 40 lks. wide, South
 53.50 Trail bears N. N. W. and S. E.
 80.10 Intersect Section Line at cor to Secs. 16, 17, 20 and 21.

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Chs. Lks

40.05. Then West on True Line, $\text{Ta. } 13^{\circ} 42'$ East.
Set charred post, built mound and dug pits
for $\frac{1}{4}$ Sec. cor. as per instructions.
80.10 corner to Secs. 17, 18, 19 and 20.
Surface level. Prairie. Soil 1st rate.

West on Random between Secs 18 and 19.
 $\text{Ta. } 13^{\circ} 42'$ East.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.
40.10 Dry bed of creek 15 lks wide, course South.
47.00 Ridge, bears North and South.
48.00 Enter timber.
49.20 Intersect. Range Line at corner to Secs.
13, 18, 19 and 24.

Then East on True Line.

39.20 $\text{Ta. } 13^{\circ} 42'$ East
Set charred post, built mound and dug pits
for $\frac{1}{4}$ Sec. cor. as per instructions.
49.20 corner to Secs. 17, 18, 19 and 20.
Surface rolling. Prairie. Soil 1st rate.

North between Secs. 17 and 18.

40.00 $\text{Ta. } 13^{\circ} 45'$ East
Set charred post, built mound and dug pits
for $\frac{1}{4}$ Sec. cor. as per instructions.
42.00 Dry creek, 15 lks wide, course West.
77.00 Foot of ridge, bears East and West.
80.00 Set Sand Stone, 18 + 14 + 4 marked as per
instructions for the corner to Secs. 7, 8,
17 and 18.
Surface rolling. Prairie. Soil 2^d rate.

East on Random between Secs 8 and 17.
 $\text{Ta. } 13^{\circ} 43'$ East.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.
70.00 Dry bed of creek, 1 ch. wide, course South.

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Chs. - Lks

80.12 Intersect Section Line 12 Lks South of corner to Secs. 8, 9, 16 and 17.

40.06 Then S. 89° 55' W. on True Line, Ta. 13° 43' E. Set Sand Stone, 18 x 10 x 3, for 1/4 Sec. cor. as per instructions.

80.12 Corner to Secs. 7, 8, 17 and 18. Surface rolling, Prairie, Soil 2nd rate.

West on Random between Secs. 7 and 18. Ta. 13° 45' East.

21.00 Trail, bears North and South.

40.00 Set temporary 1/4 Sec. cor.

79.08 Intersect Range Line 10 Lks. North of corner to Secs. 7, 12, 13 and 18.

39.08 Then N. 89° 56' E on True Line, Ta. 13° 45' East Set Sand Stone, 18 x 10 x 4, for 1/4 Sec. cor. as per instructions.

79.08 Corner to Secs 7, 8, 17 and 18. Surface rolling, Prairie, Soil 2nd rate.

North between Secs. 7 and 8. Ta. 13° 45' East.

13.50 Ridge bears East and West.

40.00 Set Chamed post, built mound and dug pits for 1/4 Sec. cor. as per instructions.

80.00 Set Sand Stone, 14 x 12 x 3, marked as per instructions, for the corner to Secs. 5, 6, 7 and 8. Surface rolling, Prairie, Soil 2^d rate.

East on Random between Secs 5th & 8. Ta. 13° 42' East.

40.00 Set temporary 1/4 Sec. cor.

40.25 Dry bed of creek, course South.

Chs. - Lks

13.00 Trail, bears north and south.

79.90 Intersect Section Line at corner to Secs. 4, 5, 8 and 9.

39.95 Then West on True Line, $\gamma a. 13^{\circ} 42'$ East. Set charred post, built mound and dug pits, for $\frac{1}{4}$ sec. cor. as per instructions.

79.90 Corner to Secs. 5, 6, 7 and 8. Surface level, Prairie, Soil 1st rate.

West on Random between Secs. 6 and 7. $\gamma a. 13^{\circ} 42'$ East

11.20 Trail bears north and south

40.00 Set Temporary $\frac{1}{4}$ Sec. cor.

70.00 Foot of hill and enter timber.

78.90 Intersect Range Line 10 lks. North of cor. to Secs. 1, 6, 7 and 12.

Then N. $89^{\circ} 56'$ E. on True Line $\gamma a. 13^{\circ} 42'$ East

38.90 Set Sand Stone, 14 x 12 x 3, for $\frac{1}{4}$ Sec. cor. as per instructions.

78.90 Corner to Secs. 5, 6, 7 and 8.

Surface rolling, mostly prairie, Soil 2^d rate.

North on Random between Secs. 5 and 6. $\gamma a. 13^{\circ} 42'$ East.

40.00 Set temporary $\frac{1}{4}$ Sec. cor.

80.04 Intersect Township Line 6 lks. West of corner to Secs. 5, 6, 31, and 32.

Then S. $00^{\circ} 03'$ W. on True Line. $\gamma a. 13^{\circ} 42'$ East.

40.04 Set Sand Stone 14 x 12 x 3, for $\frac{1}{4}$ Sec. cor. as per instructions.

80.04 Corner to Secs. 5, 6, 7 and 8.

Surface level, Prairie, Soil 1st rate.

General Description
of Fractional Township 3 North, Range
5 West of the travajo Special Meridian.

The land in this Township is, for
the most part, generally rolling prairie,
well adapted to either farming or grazing
purposes.

Soil 2nd and 1st rate.

Township 2 North, Range 5 West,
Commenced November 6th and completed
November 7th 1869.

Measuring chain compared with Stan-
dard and found correct.

Chs. & Lts. From corner to Secs. 25, 30, 31, and 36 East on True Line between Secs. 30 and 31.
 Ta. $13^{\circ} 40'$ East.

40.00 Set Sand Stone, $14 \times 12 \times 3$, for $\frac{1}{4}$ Sec. cor. as per instructions.

60.20 Trail, bears North and South.

80.00 Set Sand Stone, $16 \times 12 \times 4$, marked as per instructions, for the corner to Secs. 29, 30, 31 and 32. Surface broken, scattering Pinon and cedar. 3rd rate, Soil 2nd rate.

North between Secs. 29 and 30.
 Ta. $13^{\circ} 40'$ East.

27.50 Leave timber, bears N. W. and S. E.

40.00 Set charred post, built mound and dug pits for $\frac{1}{4}$ Sec. cor. as per instructions.

60.00 Trail, bears East and West.

80.00 Deposited marked stone, set charred post, marked, built mound and dug pits, as per instructions, for the corner to Secs. 19, 20, 29 and 30. Surface level, mostly prairie, Soil 1st rate.

East on True Line between Secs. 20 and 29.
 Ta. $13^{\circ} 42'$ East.

11.50 Trail, bears North and South.

28.50 Enter timber, bears North and South.

40.00 Set Sand Stone $14 \times 12 \times 3$, for $\frac{1}{4}$ Sec. cor. as per instructions.

80.00 Set Sand Stone, $20 \times 16 \times 4$ marked as per instructions for the corner to Secs. 20, 21, 28 and 29.

Surface rolling, scattering timber, mostly, Soil 2nd rate.

West on Random between Secs. 19 and 30.
 Ta. $13^{\circ} 42'$ East.

12.00 Trail, bears North and South.

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Chs. - Lks.

- 25.50 Enter timber, bears north and South.
- 40.00 Set temporary $\frac{1}{4}$ Sec. cor.
- 79.34 Intersect Range Line 6 lks. South of corner to Secs. 19, 24, 25 and 30.

Then S. $89^{\circ} 52'$ E. on True Line
Va. $13^{\circ} 42'$ East.
- 39.34 Set Sand Stone $14 \times 14 \times 3$, for $\frac{1}{4}$ Sec. cor. as per instructions.
- 79.34 Corner to Secs. 19, 20, 29 and 30.
Surface rolling, Scattering Pinon and cedar, 3rd rate, Soil 2nd rate.

- North between Secs. 19 and 20.
Va. $13^{\circ} 42'$ East.
- 37.50 Brook 10 lks. wide, course S. 75° E.
- 40.00 Set charred post, built mound and dug pits for $\frac{1}{4}$ Sec. cor. as per instructions.
- 80.00 Deposited marked Stone, Set charred post marked, built mound and dug pits, as per instructions, for the corner to Secs. 17, 18, 19 and 20.
Surface level, Prairie, Soil 1st rate.

- East on True Line between Secs. 17 and 20.
Va. $13^{\circ} 42'$ East.
- 19.20 Brook, 40 lks. wide, course South
- 40.00 Set Sand Stone $14 \times 12 \times 3$, for $\frac{1}{4}$ Sec. cor. as per instructions
- 69.20 Enter broken ground.
- 80.00 Set Sand Stone $16 \times 10 \times 3$, marked as per instructions, for the corner to Secs. 16, 17, 20 and 21.
Surface level, Prairie, Soil 1st rate.

- East on True Line between Secs. 16 and 21.
Va. $13^{\circ} 45'$ East
- 30.00 Trail, bears N. E. and S. W.

Chs. - Sts

BOOK 1947

38.00

Foot of perpendicular bluff, bears north and south. Impracticable to proceed further. Set sand stone 14 + 10 + 8. marked "W.C" as Witness Corner. Surface gently rolling. Prairie Soil 2^d rate.

North between Secs. 16 and 17.
 Ta. 13° 45' East.

40.00

Set Sand Stone. 20 + 12 + 4, for 1/4 Sec. cor. as per instructions.

80.00

Set Sand Stone. 18 + 12 + 4. marked as per instructions, for the corner to Secs. 8, 9, 16 and 17.

Surface broken. Scattering Pinon and cedar, 3rd rate. Soil 2nd rate.

East on True Line between Secs. 9 and 16.
 Ta. 13° 42' East.

36.00

Trail, bears north and south.

39.50

Foot of sand stone, bluff, bears north and south. Set as Witness Corner. Sand stone 14 + 12 + 3 marked "W.C".

Surface rolling. Scattering cedar, 3rd rate. Soil 2nd rate.

North between Secs 8 and 9.
 Ta. 13° 45' East.

40.00

Set Sand Stone. 16 + 14 + 4, for 1/4 Sec. cor. as per instructions.

71.30

Trail bears N. W. and S. E.

80.00

Deposited marked stone, set charred post, marked, built mound and dug pits, as per instructions, for the corner to Secs. 4, 5, 8 and 9.

Surface rolling, Scattering Pinon and cedar. 3rd rate. Soil 2nd rate.

BOOK 1947

Chs - Lks

East on True Line between Secs. 4 and 9.
 28.00 Church rock and bluff, bears North and South.
 32.20 Trail, bears North and South.
 36.40 Bluff bears North and South.
 Set Sand Stone, 18 x 14 x 6, marked "W.C."
 as Witness Corner.
 Surface rolling, Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

North on Random between Secs. 4 and 5,
 Va. 13° 45' East.

11.00 Trail, bears East and West.
 30.00 Brook, 1 ch. wide, course West.
 32.00 Trail, bears East and West.
 40.00 Set temporary 1/4 Sec. cor.
 80.10 Intersect Township Line at corner to Secs. 4, 5,
 32 and 33.

Then South on True Line.

Va. 13° 45' East.

40.10 Set charred post, built mounds and dug pits
 for 1/4 Sec. cor. as per instructions.
 80.10 Corner to Secs. 4, 5, 8, and 9.
 Surface rolling, Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

West on Random between Secs. 18 and 19,
 Va. 13° 42' East

10.50 Trail bears North and South.
 17.50 Brook 10 lks wide, course S. E.
 32.00 Enter timber, bears N. W. and S. E.
 40.00 Set temporary 1/4 Sec. cor.
 79.30 Intersect Range Line 4 lks North of corner
 to Secs. 13, 18, 19 and 24.

Then N. 89° 58' E. on True Line, Va. 13° 42' East

39.30 Set Sand Stone 16 x 14 x 3, for 1/4 Sec. cor. as per instructions
 79.30 Corner to Secs. 17, 18, 19 and 20.
 Surface rolling, Scattering Pinon and
 cedar, 3rd rate. Soil 2nd rate.

Obs. - S.M.

BOOK 1947

North between Secs. 17 and 18.

Va. $13^{\circ} 42'$ East

- 12.00 Brook 20 lks. wide, course S.E.
 17.00 Brook 20 lks wide, course S. W.
 19.10 Brook 20 lks. wide, course S. 20° E.
 36.50 Bank of brook.
 38.00 Leave same, bears S. W.
 40.00 Set charred post, built mound and dug pits
 for $\frac{1}{4}$ Sec. cor, as per instructions.
 80.00 Set Sand Stone, 14 + 12 + 3, marked as per
 instructions, for the corner to Secs. 7, 8, 17 and 18.
 Surface level. Prairie. Soil 1st rate.
-

East on Random between Secs 8 and 17.

Va. $13^{\circ} 45'$ East.

- 14.20 Creek, 20 lks, wide, course South.
 40.00 Set temporary $\frac{1}{4}$ Sec. cor.
 69.70 Enter broken ground and bedars.
 80.10 Intersect Section Line 8 lks north of corner.
 to Secs. 8, 9, 16 and 17.

Then N. $89^{\circ} 57'$ W. on True Line, Va. $13^{\circ} 45'$ East.

- 40.05. Set Sand Stone 14 + 12 + 3, for $\frac{1}{4}$ Sec. cor. as per
 instructions.
 80.10 Corner to Secs. 7, 8, 17 and 18.
 Surface level, mostly prairie. Soil 1st rate.
-

West on Random between Secs. 7 and 18.

Va. $13^{\circ} 42'$ East.

- 8.50 Trail bears North and South.
 15.00 Trail, bears North and South
 19.00 Trail, bears North and South
 27.00 Foot of hills, bear North and South
 27.80 Enter timber.
 40.00 Set temporary $\frac{1}{4}$ Sec. cor.
 79.10 Intersect Range Line at corner to Secs. 7, 12,
 13 and 18.

Then East on True Line, Va. $13^{\circ} 42'$ East.

140. Field notes of the Subdivision Lines of Fractional Township 2

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Chs - LRs

39.10 Set Sand Stone, 24 x 16 + 8 for 1/4 Sec. cor. as per instructions,
 79.10 corner to Secs. 7, 8, 17 and 18.
 Surface rough, Scattering Pinon and cedar, 3rd rate. Soil 2nd rate.

North between Secs. 7 and 8.
 Va. 13° 42' East.

15.50 Trail bears N. of E. and S. S. W.
 17.50 Ravine 200 ft. wide, course S. S. E.
 40.00 Set charred post, built mound and dug pits for 1/4 Sec. cor. as per instructions,
 40.00 Ravine, course S. W.
 52.00 Leave same, course West.
 61.50 Ravine, course S. E.
 63.00 Leave same.
 71.00 Foot of hills, bear N. E. and S. W.
 72.00 Enter timber, bears N. E. and S. W.
 80.00 Set Sand Stone, 26 + 24 + 6 marked as per instructions, for the corner to Secs. 5, 6, 7 and 8.
 Surface level, mostly prairie, Soil 1st rate.

East on Random between Secs. 5 and 8.
 Va. 13° 42' East.

10.60 Trail bears North and South.
 19.20 Ravine, course South.
 40.00 Set temporary 1/4 Sec. cor.
 46.00 Creek 100 ft. wide course S. W.
 79.98 Intersect Section Line at cor. to Secs. 4, 5, 8 and 9.

Then West on True Line, Va. 13° 42' East.

39.99 Set charred post, built mound and dug pits for 1/4 Sec. cor. as per instructions
 79.98 corner to Secs. 5, 6, 7 and 8.
 Surface gently rolling, Scattering Pinon and cedar 3rd rate, Soil 2nd rate.

Chs. - Lks

West on Random between Secs. 6 and 7.
Va. $13^{\circ} 42'$ East.40.00 Set temporary $\frac{1}{4}$ Sec. cor.79.04 Intersect Range Line 10 lks. South of corner
to Secs. 1, 6, 7 and 12.39.04 Then S, $89^{\circ} 56'$ E. on True Line, Va. $13^{\circ} 42'$ East.
Set Sand Stone, $14 + 12 \times 6$, for $\frac{1}{4}$ Sec. cor. as per
instructions.

79.04 Corner to Secs. 5, 6, 7 and 8.

Surface rolling, Scattering Pinon and cedar.
3rd rate, Soil 2nd rate.North on Random between Secs. 5 and 6.
Va. $13^{\circ} 42'$ East.40.00 Set temporary $\frac{1}{4}$ Sec. cor.80.12 Intersect Township Line 15 lks East of corner
to Secs. 5, 6, 31 and 32.40.12. Then S, $00^{\circ} 06'$ E. on True Line, Va. $13^{\circ} 42'$ East.
Set Sand Stone, $16 + 14 + 3$, for $\frac{1}{4}$ Sec. cor. as per
instructions.

80.12. Corner to Secs. 5, 6, 7 and 8.

Surface rolling, Scattering Pinon and
cedar. 3rd rate. Soil 2nd rate.

General Description of
Fractional Township 2 North, Range 5,
West of the Navajo Special Meridian.

The land in this Township is, for the
most part scatteringly covered with Pinon
and cedar, 3rd rate. Soil generally rolling.
Soil 2nd, 1st and 3rd rate.

It is well adapted to farming and
grazing purposes and gives evidence of
having been used for such.

We hereby certify that we assisted
 Ehud J. Darling, U.S. Surveyor, in subdividing fractional Townships 4, 3 and 2 North, Range 5 West of the Arajo Special Meridian in the Territory of New Mexico and that said fractional Townships have been in all respects to the best of our knowledge and belief, well and faithfully surveyed and the boundary monuments planted according to the instructions furnished by the Commissioner of the General Land Office of the United States.

Geo. H. Pradt - compassman
 Charles C. Horton }
 Adam Misker } Hammer

Alex Douglass }
 Joseph Fierheller } Cornermen

Subscribed and sworn to by the above named persons, before me Ehud J. Darling U.S. Surveyor, in Township 1 North, Range 6 West of the Arajo Special Meridian in the Territory of Arizona, this 26th day of January 1870.

Ehud J. Darling
 U.S. Surveyor.

I Ehdug N. Darling, U.S. Surveyor do solemnly swear that in pursuance of a contract with Hon Jas. S. Wilson Comms. Surveyor of the General Land office, dated Washington D.C. April 29th 1869 and subsequent special instructions dated May 4th 1870. and in strict conformity to the laws of the United States and instructions furnished by the Commissioner of the General Land office of the United States, I have faithfully subdivided fractional Townships 4, 3, and 2 North, Range 5 West of the Navajo Special Meridian in the Territory of New Mexico and do further solemnly swear that the foregoing are the true and original field notes of such survey.

Ehdug N. Darling
U.S. Surveyor.

Subscribed by said Ehdug N. Darling U.S. Surveyor and sworn to before me a Justice of the Peace for Washington D.C. this 2nd day of May, 1870.

Wm. Martin J.P. *(Signature)*

Department of the Interior
General Land Office
March. 7. 1871.

The foregoing field notes of the Survey of Townships 4, 3 and 2, North, Range 5 West, of the Navajo Special Meridian in New Mexico, executed by Hugh J. Darling U. S. Surveyor under his contract dated April 29, 1869, and Special Instructions dated May 4, 1870, in the month of November 1869, having been critically examined the necessary corrections and explanations made, the said notes and the surveys the describe are hereby approved.

Willis Drummond
Commissioner

Department of the Interior
General Land Office
February 26th 1871

A True copy

A. M. Mason
Commissioner