

Navajo Indian Reservation

DUPLICATE.

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FIELD NOTES

OF THE SURVEY OF THE

West Bdy - Tps. 1, 2, 3, 4 & 5 North,
Range 5 West ~~MERIDIAN LINES~~

A. Portion of the South Bdy. of Tps.
3 & 4 North, Range 5 West & the
North & West Bdris of Tp. 1 North, Range West

Special Navajo
of the Gila and Salt River Base and Meridian,

ARIZONA,

By E. N. Darling U. S. Deputy Surveyor,

Under contract dated April 29 - 1869, 188

Survey commenced Sept 12 - 1870, 188

Survey Completed Sept 17 - 1870, 188

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Field Notes of the West Boundaries of
Townships No. 1, 2, 3, 4 and 5 North,
Range 5 West; a Portion of the
South Boundaries of Townships
3 and 4 North, Range 5 West and the
North and West Boundaries of Township
1 North, Range 6 West,

*Rec'd from U. S. Sur. Gen.
New Mexico, Nov. 26-1902.*

Surveyed ^{by} Ehud N. Darling, U. S. Surveyor,
under his Contract with Hon. Jos. S. Wilson,
Commissioner of the General Land Office,
bearing date Washington, D. C. April 29th, 1869.
Commenced September 12th, and Completed Sep-
tember 17th, 1870.

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Names of Assistants.

George H. Pradt,

Compassman.

Charles C. Merton,

Chainmen

Adam Whisker,

Alexander Douglas,

Cornermen.

Joseph Fierheller,

INDEX.

	R. 6 W.		R. 5 W.
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T. 2 N. R. 6 W.	19	19	19
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Chs.lks.

From corner to Township 1 North, on South boundary of the Navajo Indian Reservation, Ranges 5 and 6 West, North on West boundary of Township 1 North, Range 5 West, as follows:

North on West boundary of sec. 31.

Va. 13°45' East.

- 2.50 Enter Indian corn field, extends east and west about 2.00 chains.
- 27.50 Leave same.
- 40.00 Set charred post, built mound and dug pits, for $\frac{1}{4}$ sec. cor. as per instructions.
- 48.50 Enter Indian corn and wheat field, bears east and west.
- 60.00 Ravine, 30 lks. wide, course S. W.
- 78.00 Leave field; extends east and west 4 chs.
- 80.00 Set sandstone 20x12x3, marked as per instructions, for the corner to secs.25,30,31 and 36.
Surface level prairie. Soil 1st rate.

North on West boundary of sec. 30.

Variation 13°45' East.

- 12.00 Irrigation canal, 10 lks. wide, course S. W.
- 13.00 Brook, 20 lks. wide, course S. W.
- 14.00 Foot of hill, bears N. E. and S. W.
- 21.00 Indian trail, bears N. E. and S. W.
- 40.00 Set sandstone 20x18x4, for $\frac{1}{4}$ sec. cor. as per instructions.
- 80.00 Set sandstone 24x10x3, marked as per instructions, for the corner to sections 19, 24, 25 and 30.
Surface rolling. A few scattering piñon and cedar trees, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 19.

Variation 13°45' East.

Field Notes of the Exterior Lines of Township 1 North,
Range 5 West of the Navajo Special Meridian.

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Chs. lks.

- 40.00 Set sandstone 24x16x3, for $\frac{1}{4}$ sec. cor. as per instructions.
- 80.00 Set sandstone 26x20x3, marked as per instructions, for the corner to secs. 13, 18, 19 and 24. Surface rolling. Scattering piñon and cedar, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 18.

Variation 13°45' East.

- 40.00 Set sandstone 30x20x4, for $\frac{1}{4}$ sec. cor. as per instructions.
- 71.50 Rocky ravine, course east.
- 73.50 Leave same.
- 80.00 Set sandstone 30x14x10, marked as per instructions, for the corner to secs. 7, 12, 13 and 18. Surface rolling. Scattering piñon and cedar, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 7.

Variation 13°45' East.

- 40.00 Set sandstone 28x12x3, for $\frac{1}{4}$ sec. cor. as per instructions.
- 80.00 Set sandstone 22x18x3, marked as per instructions, for the corner to sections 1, 6, 7 and 12. Surface rolling. Scattering piñon and cedar, 3rd rate. Soil 3rd rate.

North on West boundary of sec. 6.

Variation 13°45' East.

- 40.00 Set sandstone 20x14x6, for $\frac{1}{4}$ sec. corner, as per instructions.
- 80.00 Set sandstone 24x20x6, marked as per instructions for the corner to secs. 1, 6, 31 and 36, and Townships 1 and 2 North, Ranges 5 and 6 West.

Chs.lks.

Surface rolling. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

General Description.

This fractional township is scatteringly covered with piñon and cedar, 3rd rate. It is well adapted to grazing and portions of it to farming purposes. Surface generally rolling. Soil 2nd, 1st and 3rd rate.

Field Notes of the Exterior Lines of Township 1 North,
Range 6 West of the Navajo Special Meridian.

From corner to Township 1 North, on South boundary of Navajo Indian Reservation, Ranges 6 and 7 West, North on West boundary of Township 1 North, Range 6 West, as follows:-

North on West boundary of sec. 31.

Variation 13°45' East.

40.00 Set sandstone 18x12x4, for $\frac{1}{4}$ sec. cor. as per instructions.

80.00 Set sandstone 24x12x4, marked as per instructions, for the corner to secs. 25, 30, 31 and 36.
Surface rough, covered with pine timber,
2nd rate. Soil 3rd rate.

North on West boundary of sec. 30.

Variation 13°45' East.

40.00 Set sandstone 18x12x4, for $\frac{1}{4}$ sec. cor. as per instructions.

80.00 Set sandstone 36x12x3, marked as per instructions, for the corner to secs. 19, 24, 25 and 30.
Surface rolling, covered with pine. piñon and oak timber, 3rd rate. Soil 2nd rate.

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North on West boundary of section 19.

Variation 13°45' East.

- 7.50 Begin descent of ridge, bears N. W. and S. E.
- 14.00 Foot of same, bears N. W. and S. E.
- 40.00 Set sandstone 16x14x3, for 1/4 sec. cor. as per instructions.
- 53.50 Indian trail, bears east and west.
- 80.00 Set sandstone 26x14x3, marked as per instructions, for the corner to secs. 13, 18, 19 and 24. Surface rolling, covered with pine, piñon and oak timber, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 18.

Variation 13°45' East.

- 40.00 Set sandstone 14x12x3, for 1/4 sec. cor. as per instructions.
- 80.00 Set sandstone 16x14x8, marked as per instructions, for the corner to secs. 7, 12, 13 and 18. Surface rolling, covered with pine, piñon and oak timber, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 7.

Variation 13°45' East.

- 10.40 Indian trail, bears N. W. and S. E.
- 40.00 Set sandstone 12x12x8, 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. 1, 6, 7 and 12. Surface rolling, covered with pine, piñon and oak timber, 3rd rate. Soil 2nd rate.

September 13th, 1870.

Chs.lks.

North on West boundary of sec. 6.

Variation 13°45' East.

26.00 Indian trail, bears N. W. and S. E.

40.00 Set sandstone 28x10x2, for $\frac{1}{4}$ sec. cor. as per instructions.

80.00 Set sandstone 16x14x3, marked, and built mound of stone, as per instructions, for the corner to Townships 1 and 2 North, Ranges 6 and 7 West. Surface gently rolling, covered with pine and oak timber, 3rd rate. Soil 2nd rate.

East on random between Townships 1 and 2 North, Range 6 West, setting temporary half mile and mile corners at every 40.00 and 80 chs. Variation 13°45' East. At 478.80 chs. Intersect Range line 12 lks. north of corner to Townships 1 and 2 North, Ranges 5 and 6 West. Therefore, the correction will be 120 lks. east and 2 lks. south per mile. Then, West on true line between Townships 1 and 2 North, Range 6 West, as follows:

West on true line, North boundary of sec. 1.

Variation 13°44' East.

40.00 Set sandstone 18x10x6, for $\frac{1}{4}$ sec. cor. as per instructions.

80.00 Set sandstone 22x14x4, marked as per instructions, for the corner to secs. 1, 2, 35 and 36. Surface rocky. Prairie. Soil 3rd rate.

West on true line, North boundary of sec. 2.

Variation 13°44' East.

12.50 Indian trail, bears S. E. and N. W.

40.00 Set sandstone 16x14x3, for $\frac{1}{4}$ sec. cor. as per instructions.

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 Field Notes of the Exterior Lines of Township 1 North,
 Range 6 West of the Navajo Special Meridian.

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Chs. lks.

66.75 Indian trail, bears north and south.
 80.00 Set sandstone 16x14x3, marked as per instructions, for the corner to secs. 2,3,34 and 35.
 Surface rolling. Prairie. Soil 2nd rate.

West on true line, North boundary of sec. 3.
 Variation 13°44' East.

40.00 Set sandstone 20x16x3, for $\frac{1}{4}$ sec. cor. as per instructions.
 44.50 Enter bottom, bears N. W. and S. E.
 58.30 Brook, 15 lks. wide, course S. E.
 60.20 Leave bottom and ascend steep bank, bears N. W. and S. E.
 80.00 Set sandstone 30x14x3, marked as per instructions, for the corner to secs. 3,4,33 and 34.
 Surface gently rolling. Prairie. Soil 1st and 2nd rate.

West on true line, North boundary of sec. 4.
 Va. 13°44' East.

40.00 Set sandstone 14x12x3, 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. 4,5,32 and 33.
 Surface rolling prairie. Soil 2nd rate.

West on true line, North boundary of sec. 5.
 Variation 13°44' East.

28.50 Indian trail, 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, for the corner

Chs. lks.

to secs. 5, 6, 31 and 36, as per instructions.
 Surface gently rolling prairie. Soil 1st rate.

West on true line, North boundary of sec. 6.
 Variation 13°44' East.

40.00 Deposited marked stone, set charred post with mound, for $\frac{1}{4}$ sec. cor. as per instructions.

78.80 Corner to Townships 1 and 2 North, Ranges 6 and 7 West.

Surface rolling. A few pine trees along line. Soil 2nd rate.

General Description.

This township is generally covered with pine, piñon, oak and cedar timber, 3rd rate. Surface generally rolling. It is well adapted to grazing and large portions of it to farming purposes. Soil 2nd, 1st and 3rd rate.

Field Notes of the Exterior Lines of Township 2 North,
 Range 6 West of the Navajo Special Meridian.

From corner to Townships 1 and 2 North, Ranges 5 and 6 West, North on West boundary of Township 2 North, Range 5 West, as follows:

North on West boundary of sec. 31.

Variation 13°45' East.

- 3.50 Rocky ravine, course east.
- 7.00 Leave same.
- 40.00 Set sandstone 14x12x3, for $\frac{1}{4}$ sec. cor. as per instructions.
- 44.50 Rocky ravine, course east.
- 47.50 Leave same.
- 80.00 Set sandstone 18x14x4, marked as per instruc-

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Field Notes of the Exterior Lines of Township 2 North,
Range 5 West of the Navajo Special Meridian.

Chs. lks,

tions, for the corner to secs. 25, 30, 31 and 36.
Surface rolling. Scattering piñon and cedar.
3rd rate. Soil 3rd rate.

North on West boundary of sec. 30.

Variation 13°42' East.

40.00 Set sandstone 16x14x4, for $\frac{1}{4}$ sec. cor. as
per instructions.

80.00 Set sandstone 16x14x3, marked as per instruc-
tions, for the corner to secs. 19, 24, 25 and 30.
Surface rolling, partly covered with piñon
and cedar, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 19.

Va. 13°40' East.

40.00 Set sandstone 18x12x8, for $\frac{1}{4}$ sec. cor. as
per instructions.

80.00 Set sandstone 20x10x3, marked as per instruc-
tions, for the corner to secs. 13, 18, 19 and 24.
Surface rolling. Scattering piñon and cedar.
3rd rate. Soil 2nd rate.

North on West boundary of section 18.

Va. 13°40' East.

36.45' Brook, 10 lks. wide, course S. E.

40.00 Set sandstone 16x10x6, for $\frac{1}{4}$ sec. cor. as per
instructions.

80.00 Set sandstone 24x20x3, marked as per instruc-
tions, for the corner to secs. 7, 12, 13 and 18.
Surface rolling. Scattering piñon and cedar.
3rd rate. Soil 2nd rate.

North on West boundary of sec. 7.

Va. 13°40' East.

Chs. lks.

40.00 Set sandstone 18x10x4, for $\frac{1}{4}$ sec. cor.
as per instructions.

80.00 Set sandstone 24x10x3, marked as per instruc-
tions, for the corner to secs. 1, 6, 7 and 12.
Surface rolling. Scattering piñon and cedar,
3rd rate. Soil 2nd rate.

North on West boundary of sec. 6.

Va. 13°40' East.

40.00 Set sandstone 16x10x6, for $\frac{1}{4}$ sec. cor. as
per instructions.

80.00 Set sandstone 24x14x3, marked as per instruc-
tions, for the corner to Townships 2 and 3 North,
Ranges 5 and 6 West.

Surface broken. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

September 14th, 1870.

Measuring chain compared with standard and
adjusted.

East on true line between Townships 2 and 3
North, Range 5 West, as follows:

East on true line between secs. 6 and 31.

Va. 13°42' East.

40.00 Set sandstone 16x10x10, for $\frac{1}{4}$ sec. cor. as
per instructions.

48.20 Ravine, 80 lks. wide, course S. E.

52.20 Foot of ridge, bears N. W. and S. E.

80.00 Set sandstone 18x10x5, marked as per instruc-
tions, for the corner to secs. 5, 6, 31 and 32.
Surface rolling. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

Field Notes of the Exterior Lines of Township 2
North, Range 5 West of the Navajo Special Meridian.

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Chs.lks.

East on true line between secs. 5 and 32.

Va. 13°42' East.

- 8.50 Trail, bears north and south.
14.50 Foot of hill, bears north and south.
15.50 Summit of same.
30.00 Leave same, bears north and south.
33.00 Dry bed of lake, bears N. W. and S. E.
40.00 Set sandstone 18x10x8, for $\frac{1}{4}$ sec. cor. as per instructions.
69.50 Leave lake, bears north and south.
80.00 Set sandstone 22x12x2, marked as per instructions, for the cor. to secs. 4,5,32 and 33.
Surface level. Very little timber.
Soil 1st rate.

East on true line between secs. 4 and 33.

Va. 13°45' East.

- 11.10 Trail, bears north and south.
20.50 Trail, bears north and south.
31.50 Foot of sandstone bluff, bears north and south. Impossible to project line over same; therefore, set as witness corner: Sandstone 20x10x4, marked "W C"
Surface rolling. A few piñon and cedar trees along line. Soil 2nd rate

General Description.

This fractional township is scatteringly covered with piñon and cedar, 3rd rate. Surface generally rolling. It is well adapted to grazing purposes. Soil 2nd, 3rd and 1st rate.

Measuring chain compared with standard and found correct.

Chs. lks.

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From corner to Townships 2 and 3 North,
Ranges 5 and 6 West, North on West boundary of
Township 3 North, Range 5 West, as follows:

North on West boundary of sec. 31.

Va. 13°42' East.

40.00 Set sandstone 24x14x3, for $\frac{1}{4}$ sec. cor. as
per instructions.

61.50 Dry bed of creek, 20 lks. wide, course east.

80.00 Set sandstone 24x14x6, marked as per instruc-
tions, for the corner to secs. 25, 30, 31 and 36.
Surface broken, Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

North on West boundary of sec. 30.

Va. 13°42' East.

40.00 Set sandstone, 18x12x3, for $\frac{1}{4}$ sec. cor. as
per instructions.

80.00 Set sandstone 18x10x8, marked as per instruc-
tions, for the corner to secs. 19, 24, 25 and 30.
Surface broken. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

North on West boundary of sec. 19.

Va. 13°42' East.

40.00 Set sandstone 16x10x6, for $\frac{1}{4}$ sec. cor. as
per instructions.

80.00 Set sandstone 16x12x3, marked as per instruc-
tions, for the corner to secs. 13, 18, 19 and 24.
Surface broken. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

North on West boundary of sec. 18.

Va. 13°42' East.

40.00 Set sandstone 20x12x4, for $\frac{1}{4}$ sec. cor. as

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Chs. lks.

per instructions.
80.00 Set sandstone 20x12x3, marked as per instructions, for the corner to secs. 7, 12, 13 and 18. Surface broken. Scattering piñon and cedar, 3rd rate. Soil 3rd rate.

North on West boundary of sec. 7.
Va. 13°42' East.

10.00 Descend hill, bears east and west.
34.00 Dry bed of creek, 40 lks. wide, course east.
40.00 Set charred post, built mound and dug pits for 1/4 sec. cor. as per instructions.
80.00 Set sandstone 24x12x3, marked as per instructions, for the corner to secs. 1, 6, 7 and 12. Surface rolling. Scattering piñon and cedar, 3rd rate. Soil 2nd rate.

North on West boundary of sec. 6.
Va. 13°42' East.

16.00 Leave scattering timber, bears N. W. and S. E.
40.00 Set sandstone 18x10x4, 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 Townships 3 and 4 North, Ranges 5 and 6 West. Surface rolling. Mostly prairie. Soil 2nd rate.
September 15th, 1870.

From corner to Townships 3 and 4 North, Ranges 5 and 6 West, East on true line between Townships 3 and 4 North, Range 5 West, as follows:
East on true line between secs. 6 and 31.

Chs. lks.

Va. 13°42' East.

40.00 Set sandstone 16x12x3, 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 sections 5, 6, 31 and 32.

Surface gently rolling. Sage brush. Prairie.
 Soil 1st and 2nd rate.

East on true line between secs. 5 and 32.

Va. 13°42' East.

40.00 Set sandstone 18x12x3, for $\frac{1}{4}$ sec. cor. as per instructions.

80.00 Set sandstone 20x12x8, marked as per instructions, for the corner to secs. 4, 5, 32 and 33.

Surface gently rolling. Sage brush prairie.
 Soil 1st and 2nd rate.

East on true line between secs. 4 and 33.

Var. 13°42' East.

40.00 Set sandstone 12x12x10, 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. 3, 4, 33 and 34.

Surface rolling. Prairie. Soil 2nd rate.

East on true line between secs. 3 and 34.

Va. 13°45' East.

2.00 Indian trail, bears north and south.

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

56.50 Indian trail, bears N. E. and S. W.

80.00 Deposited marked stone, set charred post, mark-

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Chs. lks.

ed, built mound and dug pits as per instructions, for the corner to secs. 2, 3, 34 and 35.

Surface rolling. Sage brush prairie.

Soil 2nd rate.

East on true line between secs. 2 and 35.

Va. $14^{\circ}45'$ East.

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

49.00 Enter scattering timber, bears north and south,

65.00 Leave same and enter prairie, bears N. E. and 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, 35 and 36.

Surface rolling. Mostly prairie. Soil 2nd rate.

East on true line between secs. 1 and 36.

Va. $14^{\circ}45'$ East.

22.00 Indian trail, bears N. N. E. and S. S. W.

33.40 Foot of mountains. Impossible to project line over same; therefore set as witness corner: Sandstone 20x10x4, marked "W C"

Surface rolling prairie. Soil 2nd rate.

General Description.

This township is partly covered with piñon and cedar and partly prairie. Surface generally rolling. It is well adapted to farming and grazing purposes, especially to the latter. Soil 2nd, 3rd and 1st rate.

Measuring chain compared with standard and found $\frac{1}{4}$ inch long. Carefully adjusted.

Chs. lks.

From corner to Townships 3 and 4 North,
Ranges 5 and 6 West, North on West boundary of
Township 4 North, Range 5 West, as follows:

North on West boundary of sec. 31.

Va. 13°45' East.

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

56.00 Indian trail, bears north and south.

80.00 Deposited marked stone, set charred post, mark-
ed, built mound and dug pits as per instructions,
for the cor. to secs. 25, 30, 31 and 36.

Surface level. Prairie. Soil 1st rate.

North on West boundary of sec. 30.

Va. 13°45' East.

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

49.00 Indian trail, bears N. E. and S. W.

80.00 Deposited marked stone, set charred post, mark-
ed, built mound and dug pits, as per instruc-
tions, for the corner to secs. 19, 24, 25 and 30.

Surface level. Prairie. Soil 1st rate.

North on West boundary of sec. 19.

Va. 13°45' East.

12.00 Creek 30 lks. wide, course west.

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

80.00 Marked sandstone boulder 42x24x15, as per in-
structions, for corner to secs. 13, 18, 19 and 24.

Surface level. Prairie. Soil 1st rate.

North on West boundary of sec. 18.

Va. 13°45' East.

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Chs.lks.

- 40.00 Set charred post, built mound and dug pits,
for $\frac{1}{4}$ sec. cor. as per instructions.
- 49.00 Enter scattering piñon and cedar, bears east
and west.
- 51.50 Leave same, bears east and west,
- 80.00 Deposited marked stone, set charred post, mark-
ed, built mound and dug pits as per instructions,
for the corner to secs. 7, 12, 13 and 18.
- Surface rolling. Mostly prairie. Soil 1st rate.

North on West boundary of sec. 7.

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

- 15.00 Foot of high ridge, bears east and west.
Enter scattering piñon and cedar.
- 40.00 Set sandstone $16 \times 10 \times 4$, for $\frac{1}{4}$ sec. cor. as
per instructions.
- 80.00 Set sandstone $28 \times 20 \times 10$, marked as per instruc-
tions, for the corner to secs. 1, 6, 7 and 12.
Surface broken. Scatteringly covered with
piñon and cedar, 3rd rate. Soil 3rd rate.

North on West boundary of sec. 6.

Va. $14^{\circ}00'$ East.

- 8.10 Summit of ridge.
- 40.00 Set sandstone $14 \times 12 \times 3$, for $\frac{1}{4}$ sec. cor. as per
instructions.
- 80.00 Set sandstone $18 \times 12 \times 4$, marked, and built mound
of stone as per instructions, for the corner
to secs. 1, 6, 31 and 36 and Townships 4 and 5
North, Ranges 5 and 6 West.
Surface broken. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

September 16th, 1870.

General Description.

This township is mostly prairie, surface generally rolling. It is well adapted to farming and grazing purposes. Soil 1st and 2nd rate.

Measuring chain compared with standard and found correct.

Field Notes of the Exterior Lines of Township 5
North, Range 5 West of the Navajo Special Meridian.

From corner to Townships 4 and 5 North,
Ranges 5 and 6 West, North on West boundary of
Township 5 North, Range 5 West, as follows:

North on West boundary of sec. 31.

Var. 14°00' East.

40.00 Set sandstone 16x10x3, for $\frac{1}{4}$ sec. cor as
per instructions.

80.00 Set sandstone 16x12x3, marked as per instruc-
tions, for the corner to secs. 25, 30, 31 and 36.
Surface broken. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

North on West boundary of sec. 30.

Va. 14°00' East.

40.00 Set sandstone 16x10x6, for $\frac{1}{4}$ sec. cor. as
per instructions.

59.00 Descend mountain, bears east and west.

80.00 Set sandstone 18x10x8, marked as per instruc-
tions, for the corner to secs. 19, 24, 25 and 30.
Surface broken. Scattering piñon and cedar,
3rd rate. Soil 3rd rate.

North on West boundary of section 19.

Va. 14°00' East.

Chs. lks.

- 40.00 Set sandstone 16x14x3, for $\frac{1}{4}$ sec. cor. as per instructions.
- 62.10 Foot of mountain, bears east and west.
- 78.00 Creek, 25 lks. wide, course west.
- 80.00 Deposited marked stone, set charred post, marked, built mound and dug pits as per instructions, for the corner to secs. 13, 18, 19 and 24.
- Surface rolling. A few scattering piñon trees on first part of mile. Soil 2nd rate.

North on West boundary of sec. 18.

Va. 14°00' East.

- 40.00 Set sandstone 14x12x3, for $\frac{1}{4}$ sec. cor. as per instructions.
- 71.00 Indian 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. 7, 12, 13 and 18.
- Surface rolling. Prairie. Soil 2nd rate.

North on West boundary of sec. 7.

Va. 14°00' East.

- 25.00 Enter cedar timber, bears N. W. and S. E.
- 40.00 Set sandstone 20x10x10, for $\frac{1}{4}$ sec. cor. as per instructions.
- 80.00 Set sandstone 24x12x10, marked as per instructions, for the corner to secs. 1, 6, 7 and 12.
- Surface rolling. Greater portion covered with cedar timber. Soil 2nd and 3rd rate.

North on West boundary of sec. 6.

Var. 14°00' East.

- 40.00 Set sandstone 16x10x6, for $\frac{1}{4}$ sec. cor. as per instructions.

Chs. lks.

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

81.20 Intersect First Standard Parallel 13.00 chs.
east of standard corner and

Set sandstone 26x12x6, marked "C C" and six
notches on the south for the closing corner.

Surface broken. Scattering pine, cedar, oak
and piñon timber, 3rd rate. Soil 3rd rate.

General Description.

This township is generally covered with tim-
ber, consisting of piñon, cedar, pine and oak,
3rd rate. A considerable portion of the town-
ship is in a mountainous country, and therefore
fit only for grazing. Some portions are well
adapted to farming purposes. Soil generally
2nd rate.

Measuring chain compared with standard and
found correct.

BOOK 1935

I Ehud N. Darling U S Surveyor, do solemnly swear that in pursuance of a contract with Hon. Jos. S. Wilson, Commissioner of the General Land Office of the United States, bearing date Washington, D. C. April 29th, 1869, and in strict conformity to the laws of the United States and the instructions furnished by the said Commissioner of the General Land Office, I have faithfully surveyed the West boundaries of Townships 1, 2, 3, 4 and 5 North, Range 5 West; a portion of the South boundaries of Townships 3 and 4 North, Range 5 West; the North and West boundaries of Township 1 North, Range 6 West * * * * * * * of the Navajo Special Meridian in the Territories of New Mexico and Arizona, and do further solemnly swear that the foregoing are the true and original field notes of such survey.

Ehud N. Darling,
U. S. Surveyor.

Subscribed by said Ehud N. Darling, U. S. Surveyor, and sworn to before me.

Wm. Martin, J. P. (Seal)
Department of the Interior,
General Land Office,
March 7, 1871.

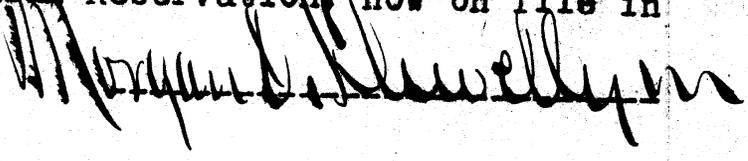
The foregoing field notes of the survey of the West boundaries of Townships Nos. 1, 2, 3, 4 and 5 North, Range 5 West; a portion of the South boundaries of Townships 3 and 4 North, Range 5 West; the * * * * * * * and the North and West boundaries of Township 1 North, Range 6 West of the Navajo Special Meridian in the Territories of New Mexico and Arizona, executed by Ehud N. Darling, U. S. Surveyor, under his contract of April 29, 1869, and special instructions, dated May 1870, in the month of September, 1870, having been critically examined, the necessary corrections and explanations made, the said notes and the surveys they describe are hereby approved.

Willis Drummond,
Commissioner.

Office of U. S. Surveyor General,

Santa Fe, N. M. Nov. 24, 1902.

I, Morgan O. Llewellyn, Surveyor General of New Mexico, hereby certify that the foregoing is a true and correct transcript of a copy of the field notes of the survey of a portion of the exterior lines of Townships Nos. 1, 2, 3, 4 and 5 North, Range 5 West, and Township 1 North, Range 6 West of the Navajo Special Meridian, in the Navajo Indian Reservation, now on file in my office.


Surveyor General for New Mexico.