

Field Notes of the First Guide

BOOK 1938

Meridian, from 1st StandardParallel to North Boundary ofNavajo Indian Reservation, andSecond Standard Parallel fromWest to East Boundary of saidReservation, surveyed by E. W.

Darling, U.S. Surveyor, under

his contract with Hon. Jos. S. Wilson,
Commissioner of the General
Land Office, dated Washington D.C.
April 29th 1869.Commenced October 1st 1869 and
completed October 14th 1869.Names of Assistants.

Willard S. Paul. Compassman.

William J. Hare,
John Howe } Chairmen.Selden W. Shaffer,
Robert C. Darling } Cornermen.Measuring chain compared with
Standard and found correct.

BOOK

1938

Field Notes of the First Guide Meridian, from the First to the Second Standard Parallel, between Ranges 8 and 9 West of the Navajo Special Meridian,

As the corner to the First Guide Meridian is in Cañon De Chille, and it being impracticable to reach the same, I commenced at the Witness Corner on North East side of cañon 18.75 chs. West of corner to Townships 6, Ranges 8 and 9 West, thence North.

Var. $15^{\circ} 35'$ East.

7 2.00 Offset East 18.75 chains to First Guide Meridian, on the Edge of cañon, course S. S. W.

The cañon is about 1000 feet deep with nearly perpendicular sand stone sides, its average width being about 40 chains.

There is a fine stream of clear water running through the cañon.

80.00 Set sand stone, $14 \times 8 \times 6$, marked as per instructions, for the Cor. to Secs. 20, 30, 31 and 36.

Surface broken. Soil $3\frac{1}{4}$ rate.

Scattering Cedar and Pinon $3\frac{1}{4}$ rate.

North on East Boundary of Sec. 20,
Var. $15^{\circ} 35'$ E.

19 40 Bend in Cañon "Dechille" course S. S. E.

Offset West 3 chains, thence N. 7 chains, then Offset East 3.00 chains to line. Cañon about

1000 ft. deep, with nearly perpendicular sand stone bluffs.

40.00 Set sand stone, $16 \times 14 \times 3$, for $\frac{1}{2}$ Sec. corner, as per instructions.

80.00 Set sand stone, $15 \times 14 \times 4$, marked as per instructions, for the

BOOK 1938

Utah

D. 13 N., R. 9 E. 1/2 7¹⁸ D. 13 N., R. 8 E.

12 86
122 87
242 719
252 730
362 631

D. 15 N., R. 9 E. 1/2 0314 D. 15 N., R. 8 E.

13 06
122 91
242 919
252 930
362 831

D. 12 N., R. 9 E. 1/2 132 618 D. 12 N., R. 8 E.

122 67
132 618
242 519
252 530
362 531

D. 14 N., R. 9 E. 1/2 918 D. 14 N., R. 8 E.

BOOK 1938

D. 11 N., R. 10 E.

D. 11 N., R. 9 E. 1/2

D. 11 N., R. 8 E.

D. 11 N., R. 7 E.

D. 11 N., R. 6 E.

West Boundary of Section 34 of Township 11 N., Range 10 E.

31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35	36						
22	22	21	21	21	20	20	20	19	19	19	17	17	17	16	16	16	16	16	16	16	15	15	15	15	14	14	14	13	13	13	13	12	12	12	11
6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2	1

12 97
122 47
132 418
242 319
252 330

D. 10 N., R. 10 E.

D. 10 N., R. 9 E. 1/2

D. 10 N., R. 8 E.

D. 10 N., R. 7 E.

D. 10 N., R. 6 E.

1 86
122 77
132 718
242 19
252 30
362 31

D. 9 N., R. 9 E. 1/2 132 718 D. 9 N., R. 8 E.

D. 11 N., R. 5 E.

31	32	33	34	35	36
13	13	12	12	12	11
6	5	4	3	2	1

D. 10 N., R. 5 E.

New Mexico

D. 8 N., R. 9 E. 1/2 132 518 D. 8 N., R. 8 E.

1 66
122 77
132 518
242 19
252 30
362 31

D. 7 N., R. 9 E. 1/2 132 418 D. 7 N., R. 8 E.

1 46
122 77
132 418
242 19
252 30
362 31

D. 6 N., R. 9 E. 1/2 132 18 D. 6 N., R. 8 E.

1 26
122 77
132 18
242 19
252 30
362 31

Chains

corner to sees. 19. 24. 28 and 30.
 Surface rolling. Partly covered with cedar and Pinon, 3rd rate. Soil 3rd rate.

North on East Boundary of Sec. 24.
 Var. 15°-35' East

40.00

Set sand stone, 16 x 12 x 3. for $\frac{1}{4}$ Sec. Cor. as per instructions.

80.00

Set sand stone, 14 x 12 x 3. marked as per instructions, for the corner to sees. 13. 18. 19 and 24.

Surface rolling. covered with scattering cedar and Pinon, 3rd rate. Soil 2nd rate.

North on East Boundary of Sec. 13.
 Var. 15° 35' E.

40.00

Set sand stone, 16 x 10 x 6. for $\frac{1}{4}$ Sec. Cor. as per instructions.

80.00

Set sand stone, 16 x 12 x 4. marked as per instructions, for the corner to sees. 7. 12. 13 and 18.

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

North on East Boundary of Sec. 12.
 Var. 15° 30' E.

40.00

Marked surface rock, for $\frac{1}{4}$ Sec. Cor. as per instructions.

80.00

Set sand stone, 14 x 8 x 6. marked as per instructions, for the Cor. to sees. 1. 6. 7 and 12.

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

North on East Boundary of Sec. 6
 Var. 15° 30' E.

40.00

Set sand stone, 24 x 18 x 3. for $\frac{1}{4}$ Sec. Cor. as per instructions.

10
 Chasms
 52.00
 80.00
 BOOK 1938

Indian trail, bears N.E. and S.W.
 Set sand stone, 30 x 24 x 6. marked as per
 instructions and built mound
 of stone, for the corner to
 Townships 6 and 7 North, Ranges
 8 and 9 west and sections 1, 6,
 31 and 36.
 Surface rolling. Scattering cedar
 and Pinon, 3 $\frac{1}{2}$ rate. Soil 2 $\frac{1}{2}$ rate.

Township 7 North.
 North on East Boundary of Sec.
 36. Var. 15 $^{\circ}$ 25' E.

12.00 Leave scattering Pinon and cedar
 timber.
 40.00 Set sand stone, 16 x 14 x 3. for $\frac{1}{4}$ Sec.
 corner, as per instructions.
 58.50 Ravine 60 lks. wide, course N.W.
 76.00 Ravine 70 links wide, course S.W.
 80.00 Set sand stone, 40 x 36 x 24. marked
 as per instructions, for the corner
 to Secs. 25, 30, 31 and 36.
 Surface rolling. Prairie.
 Soil 2 $\frac{1}{2}$ rate.

North on East Boundary of Sec.
 25. Var. 15 $^{\circ}$ 25' East

40.00 Set charred post and built mound
 for $\frac{1}{4}$ Sec. corner, as per instruc-
 tions.
 * Surface rolling. Prairie. Soil 2 $\frac{1}{2}$ rate.
 * Deposited marked stone, set charred
 post, marked, built mound and
 dug pits, as per instructions, for
 the corner to Secs. 19, 24, 25 & 30.
 Surface rolling. Prairie.
 Soil 2 $\frac{1}{2}$ rate.

North on East Boundary of Sec. 24.
 Var. 15 $^{\circ}$ 25' East.

40.00 Set sand stone, 16 x 8 x 6. for $\frac{1}{4}$
 Sec. Cor. as per instructions.

chains
80.00

Set sand stone, 18 x 12 x 10, marked
as per instructions, for the corner
to Secs. 13, 18, 19, and 24.
Surface rolling. Prairie.
Soil 2 $\frac{1}{2}$ rate.

40.00

North on East Boundary of Sec. 13.
Var. 15 $^{\circ}$ 25' E.
Set charred post and built
mound for $\frac{1}{4}$ sec. corner 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. 7, 12, 13, and 18.
Surface rolling. Prairie.
Soil 2 $\frac{1}{2}$ rate.

40.00

North on East Boundary of
Sec. 12.
Var. 15 $^{\circ}$ 25' E.
Set charred post and built
mound, for $\frac{1}{4}$ sec. corner as
per instructions.

48.50

Ravine, 80 links wide, course N.W.

80.00

Set sand stone, 30 x 12 x 4, marked
as per instructions, for the cor.
to Secs. 1, 6, 7 and 12.
Surface rolling. Prairie.
Soil 3 $\frac{1}{2}$ rate.

40.00

North on West Boundary of
Sec. 1. Var. 13 $^{\circ}$ 25' E.
Set sand stone, 24 x 10 x 4, for $\frac{1}{4}$
Sec. corner, as per instructions.

80.00

Set sand stone, 24 x 18 x 10,
marked as per instructions,
for the corner to Secs 1, 6, 31 x
36, and Townships 7 and 8
North. Ranges 8 and 9 west.
Surface rolling. Prairie. Soil 2 $\frac{1}{2}$ rate.

Field Notes of the First Guide Meridian

104
BOOK

Chains
1938

October 1st 1869.

Township 8 North,
North on East Boundary of Sec 36.
Var. 15° 25' East.

- 33.00 Cañon, 250 feet deep, course W. N. W.
- 40.00 Set sand stone, 16 x 14 x 5. for 1/4 sec. corner, as per instructions.
- 43.00 Leave cañon, course W. N. W.
- 66.50 Cañon, 80 feet deep, course west.
- 69.00 Leave same.
- 80.00 Set sand stone, 34 x 23 x 4. marked as per instructions, for the corner to Secs. 25, 30, 31 and 36.
Surface broken. Prairie. Soil 3rd rate.

North on East Boundary of sec 25.
Var. 15° 20' E.

- 6.00 Cañon, 150 feet deep, course west.
- 10.50 Leave same.
- 40.00 Set sand stone, 16 x 8 x 6. for 1/4 sec, corner, as per instructions.
- 80.00 Set sand stone, 24 x 12 x 3. marked as per instructions, for the corner to Secs. 19, 24, 25 and 30.
Surface rolling. Soil 2nd and 3rd rate.
Prairie.

North on East Boundary of Sec. 29.
Var. 15° 20' E.

- 40.00 Set sand stone, 16 x 12 x 3. for 1/4 sec, corner, as per instructions.
- 80.00 Set sand stone, 24 x 14 x 3. marked as per instructions, for the cor. to Secs. 13, 18, 19 and 24.
Surface rolling. Prairie
Soil 3rd rate.

North on East Boundary of Sec. 13.
Var. 15° 20' E.

- 40.00 Set sand stone, 16 x 14 x 3. for 1/4 sec.

from the First to the Second Standard Parallel, between Ranges 8 and 9 west of the U. S. M.

Chalus

105

BOOK

1938

63.00 Corner, as per instructions.
 74.00 Cañon, 200 feet deep, course west.
 80.00 Leave same, sand stone sides.
 Set sand stone, 16 x 14 x 3. marked as per instructions, for the corner to sections 7, 12, 13 and 18.
 Surface rolling. Prairie.
 Soil 2nd rate.

North on East Boundary of Sec. 12.
 Var. 15° 20' East
 40.00 Set sand stone, 18 x 8 x 6. for $\frac{1}{4}$ Sec. cor., as per instructions.
 80.00 Set sand stone, 18 x 10 x 8. marked as per instructions, for the corner to Secs. 1, 6, 7 and 12.
 Surface rolling. Prairie. Soil 2nd rate.

North on East Boundary of Sec. 1.
 Var 15° 20' East
 2.00 Cañon. 200 feet deep, course west.
 15.00 Leave same, sand stone sides.
 40.00 Set sand stone, 16 x 12 x 3. for $\frac{1}{4}$ Sec. corner, as per instructions.
 80.00 Set sand stone, 30 x 12 x 4. marked as per instructions, for the corner to Secs. 1, 6, 31 and 36. and Townships 8 and 9 north.
 Ranges 8 and 9 West.
 Surface rolling. Prairie.
 Soil 2nd rate.

Township 9 North.
 North on East Boundary of sec. 36.
 Var. 15° 10' East
 40.00 Set sand stone, 24 x 14 x 3. for $\frac{1}{4}$ sec. corner, as per instructions.
 80.00 Set sand stone, 28 x 16 x 6. marked as per instructions, for the corner to Secs. 25, 30, 31 & 36.
 Surface rolling. Prairie. Soil 2nd rate.

Field Notes of the First Guide Meridian from the

106
BOOK

Chains

1938

North on East Boundary of Sec. 25.
Var. $15^{\circ} 10' E.$

40.00

Set charred post and built mound for $\frac{1}{4}$ Sec. corner as per instructions.

80.00

Set sand stone, $18 \times 12 \times 3$. marked as per instructions, for the corner to Secs. 19, 24, 25 and 30.

Surface rolling. Prairie. Soil 2nd rate.

North on East Boundary of Sec. 29.

Var. $15^{\circ} 10' East$

13.00

Canon, 100 feet deep, course W.S.W.

15.00

Creack, 20 lks. wide, clear water, gentle current, course West.

17.00

Leave Canon, Sand stone sides.

40.00

Set sand stone, $26 \times 18 \times 3$ for $\frac{1}{4}$ Sec. corner as per instructions.

80.00

Set volcanic stone, $24 \times 18 \times 4$. marked as per instructions, for the corner to Secs. 18, 19 and 24.

Surface rolling. Prairie. Soil 2nd & 3rd rate.

North on East Boundary of Sec. 13.

Var. $15^{\circ} 50' E.$

40.00

Set charred post and built mound for $\frac{1}{4}$ Sec. corner as per instructions.

78.00

Enter valley of "Rio Carrissa".

79.00

"Rio Carrissa". Low banks, sandy bottom, dry at this point, but in places there is quite a stream of running water, course west.

80.00

Set sand stone, $16 \times 14 \times 3$. marked as per instructions, for the corner to Secs. 7, 12, 13 and 18.

Surface rolling. Prairie. Soil 1st rate.

North on East Boundary of Sec. 12.

Var. $15^{\circ} 05' E.$

12.00

Leave bottom, bears East & West

40.00

Set charred post and built mound

Chains

51.00 for $\frac{1}{4}$ Sec. Corner, as per instructions.
 80.00 Bluff, bears East and West.
 Set sand stone, 20 x 14 x 6. marked as per instructions, for the corner to Secs. 1, 6, 7 and 12.
 Surface rolling. Prairie. Soil 2nd & 1st rate.

North on East Boundary of Sec. 1.
 Var. 15^o 05' East.
 22.00 Dry bed of Creek, 100 lks. wide, course E.
 40.00 Set sand stone, 16 x 12 x 6. for $\frac{1}{4}$ Sec. Corner, as per instructions.
 80.00 Set sand stone, 14 x 12 x 8, and built mound of stone, for the corner to Secs. 1, 6, 31 and 36. and Townships 9 and 10 North. Range 8 and 9 West.
 Surface rolling. Prairie. Soil 2nd rate.

Township 10 North.
 North on East Boundary of Sec. 36.
 Var. 15^o East.
 23.00 Creek, 10 lks. wide, course West.
 40.00 Set sand stone, 14 x 12 x 4. for $\frac{1}{4}$ Sec. Corner, as per instructions.
 43.00 Ravine, 80 links wide, course West.
 80.00 Set sand stone, 12 x 12 x 6. marked as per instructions, for the corner to Secs. 25, 30, 31 and 36.
 Surface rolling. Soil 2nd and 3rd rate. Prairie.

North on East Boundary of Sec. 25.
 Var. 15^o 10' East.
 40.00 Set sand stone, 16 x 10 x 4. for $\frac{1}{4}$ Sec. Corner, as per instructions.
 44.00 Granite Bluff, 60 feet high. bears E. 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, 24, 25 and 30.

Field Notes of the First Guide Meridian from the 1st to

108
BOOK 1938

chains

Surface broken. Soil 3^d rate. Prairie.

North on East Boundary of Sec. 24.
Var. 15° 10' E.

4000 Set sand stone, 15 X 14 X 4, for $\frac{1}{4}$ sec. cor.
as per instructions.

59.70 Dry bed of creek, 90 lks. wide, course SW.

8000 Set sand stone, 14 X 10 X 9, marked as
per instructions, for the corner to
Secs. 13, 18, 19, and 24.

Surface rolling. Prairie. Soil 2^d & 3^d rate.

North on East Boundary of Sec. 13.
Var. 15° 10' East

4000 Set charred post and built, for $\frac{1}{4}$ sec.
corner, as per instructions.

A conical sand stone peak, about
200 feet high, bears S. 89° W.
distant 39. chains.

8000 Set granite, 16 X 12 X 9, marked as
per instructions, for the corner
to Secs. 7, 12, 13 and 18.

Surface rolling. Prairie. Soil 2^d rate.

North on East Boundary of sec. 12.
Var. 15° 10' East

30 Dry bed of creek, 20 lks. wide, course
West.

4000 Set sand stone, 14 X 12 X 8, for $\frac{1}{4}$ sec.
corner, as per instructions.

8000 Set granite, 18 X 7 X 6, marked
as per instructions, for the
corner to Secs. 1, 6, 7 and 12.

Surface rolling. Prairie.
Soil 2^d rate.

North on East Boundary of Sec. 1.

Var. 15° 10' E.

Chains
37.50

Grass Sandy bed of creek . . 50 lks wide
Course north.

40.00

Set charred post and built mound for
1/4 Sec. corner, as per instructions.

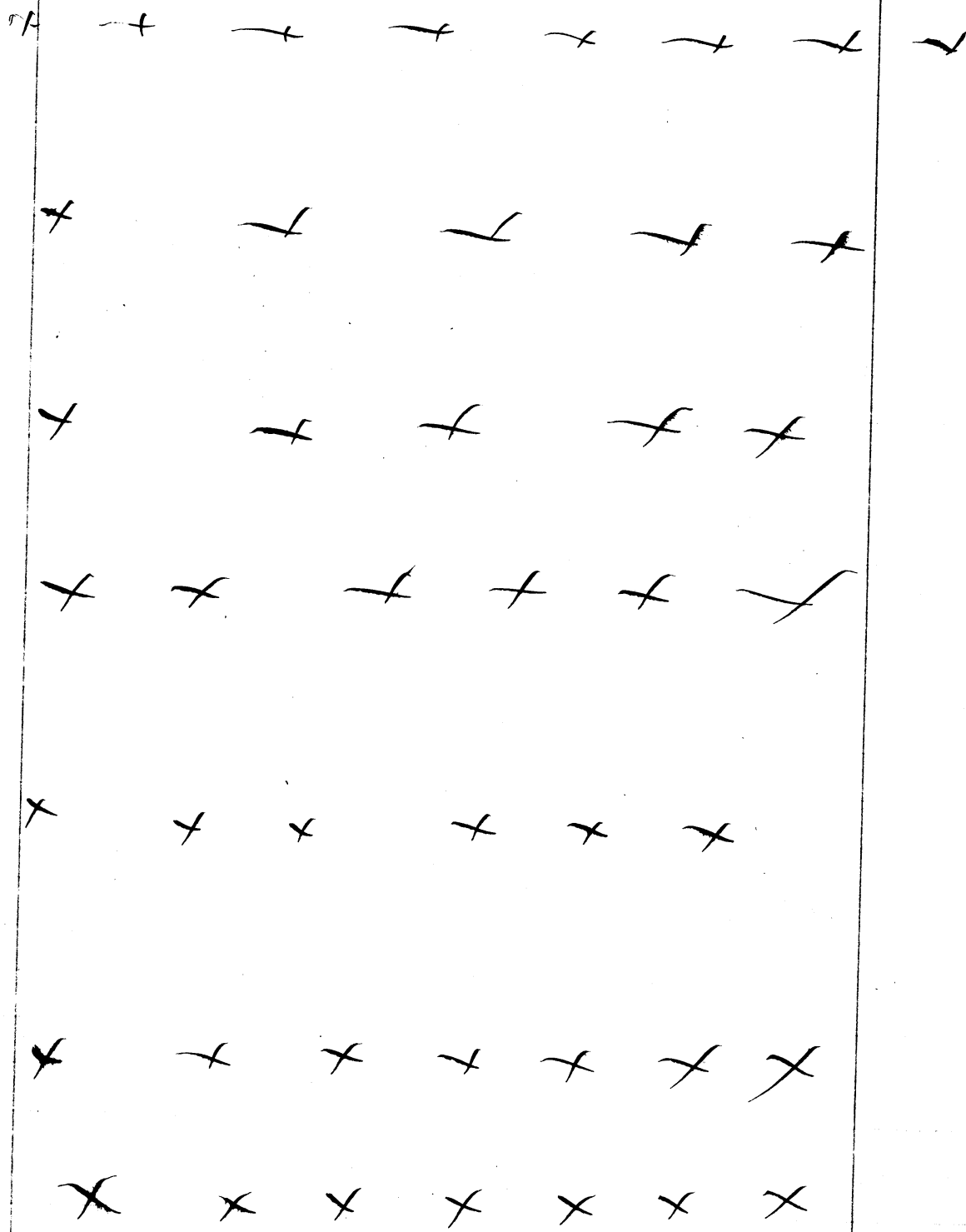
80.00

Deposited marked stone, set charred post,
marked, built mound and dug pits, as
per instructions, for the corner to Secs
1. 6. 31 and 36, and Township 10 North,
Ranges 8 and 9 West.

Surface rolling. Prairie.

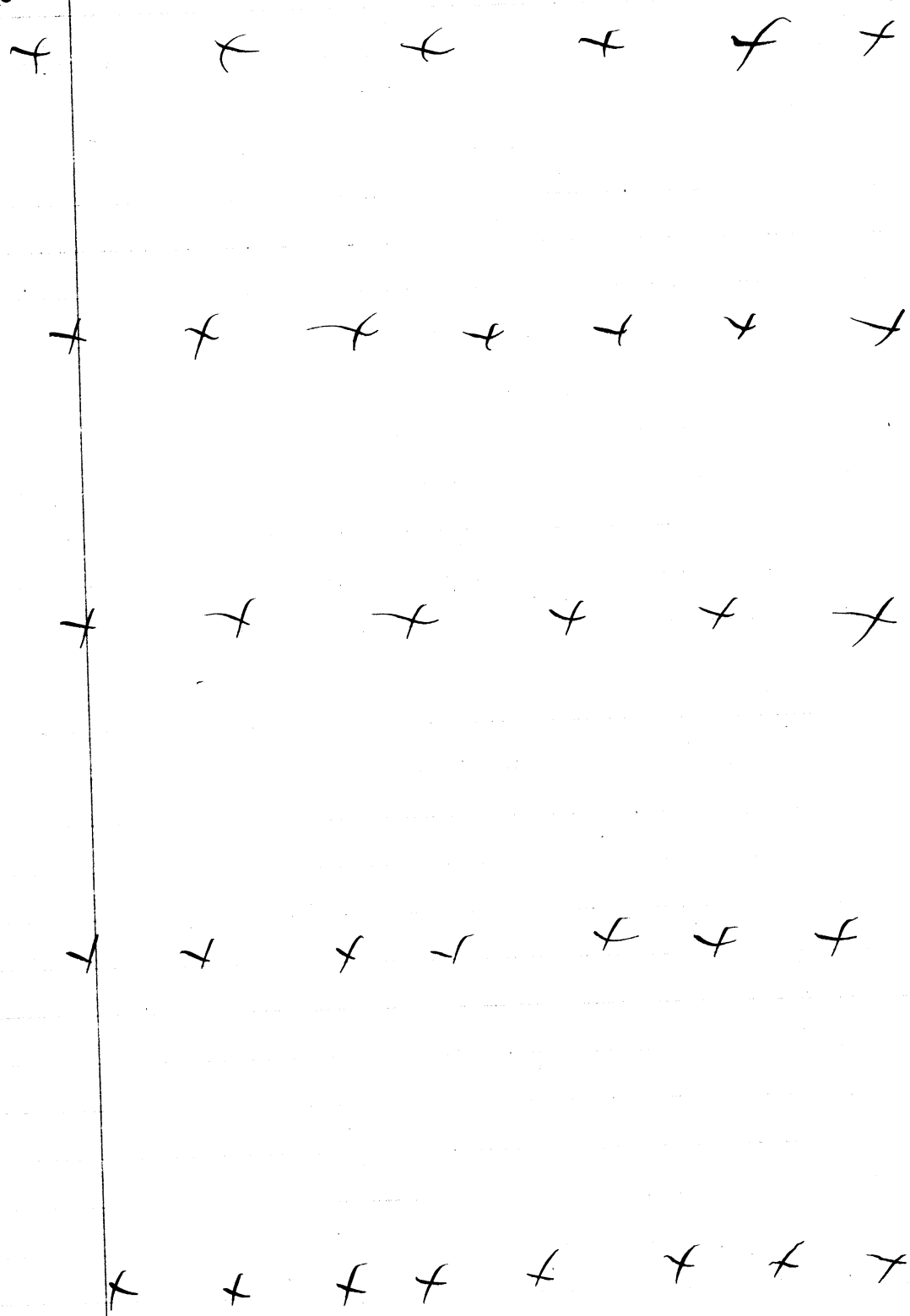
Soil Q^d. rate.

October 2nd 1869.



Field notes of the Second Standard Parallel from

110
BOOK 1938



Township 11 North Range
5 West.
West on South Boundary of
Sec. 36.

Pa. $14^{\circ} 08' E$.

40.00 Set Sand stone $14 \times 12 \times 3$ for $1/4$ Sec.
corner as per instructions.

Chains
80.00

Set sand stone, 16 X 12 X 3. marked
as per instructions, for the corner
to Secs. 35 and 36.
Surface broken, a few scatter-
ing cedar and Pinon trees.
Soil 3⁴/₄ rate.

BOOK 1938

West on South Boundary of Sec. 35.
Var. 14° 05' E.

40.00

Set charred post and built mound for
1/4 Sec. corner, 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. 34 and 35.
Surface rolling, ^{mostly} Prairie. Soil 2⁴/₄ rate.

West on South Boundary of Sec. 34.
Var. 14° 05' East.

40.00

Set charred post and built mound
for 1/4 Sec. corner, 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. 33 and 34.
Surface rolling. Prairie.
Soil 2⁴/₄ rate.

West on South Boundary of Sec. 33.
Var. 14° 15' E.

40.00

Set charred post and built mound
for 1/4 Sec. corner, 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. 32 and 33.
Surface rolling. Prairie.
Soil 2⁴/₄ rate.

Field Notes of the Second Standard Parallel from

112
BOOK
Chains
1938

Weston South Boundary of Sec. 32.
Var. $14^{\circ} 15'$ E.

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

78.50 Creek, 50 lks. wide, course north.

80.00 Set sand stone, $18 \times 10 \times 4$, marked
as per instructions, for the corner
to sees. 31 and 32.

Surface rolling, Prairie. Soil 2 $\frac{1}{4}$ rate.

Weston South Boundary of Sec. 31.
Var. $14^{\circ} 15'$ E.

40.00 Set sand stone, $16 \times 12 \times 3$, for $\frac{1}{4}$ sec. cor
as per instructions.

80.00 Set sand stone, $24 \times 24 \times 6$, marked
as per instructions, for the corner
to sees. 31 and 36, and
Township 11 North, Ranges 5
and 6 West.

Surface broken, Prairie. Soil 3 $\frac{1}{4}$ rate.

Township 11 North, Range 6 West,
Weston South Boundary of Sec. 36.
Var. $14^{\circ} 18'$ East

30.00 Descend sand stone ledge, 40 ft.
high, bears North and South.

40.00 Set sand stone, $18 \times 12 \times 3$, for $\frac{1}{4}$
sec. corner, as per instructions.

80.00 Set sand stone, $18 \times 12 \times 3$, marked
as per instructions, for the
corner to sees. 35 and 36.

Surface broken, Prairie.
Soil 3 $\frac{1}{4}$ rate.

Weston South Boundary of Sec. 35.
Var. $14^{\circ} 18'$ East.

9.75 Creek, 20 lks. wide, course N.E.

12.00 Leave same.

40.00 Set sand stone, $18 \times 12 \times 4$, for $\frac{1}{4}$
sec. corner, as per instructions.

Chains
 80.00

Set sand stone, 18 x 12 x 4. marked as
 per instructions, for the corner to
 Secs 34 and 33.
 Surface broken. Prairie, Soil 3rd rate.

West on South Boundary of Sec.
 34. Var. 114° 15' East.

12.90 Creek 20 lks, wide, course N. East.

21.00 Creek, 20 lks, wide, course S. E.

26.00 Creek 20 lks, wide, course N. E.

40.00 Set sand stone, 16 x 12 x 3. for $\frac{1}{4}$ sec.
 corner, as per instructions.

80.00 Set sand stone, 16 x 14 x 3. marked as
 per instructions, for the corner to Secs
 33 and 34.

Surface broken. Prairie, Soil 3rd rate.
 October 9th / 1869.

West on South Boundary of Sec. 33.
 Var. 14° 18' E.

40.00 Set sand stone, 16 x 12 x 3. for $\frac{1}{4}$ sec. cor.
 as per instructions.

60.00 Creek, 20 lks, wide, course S. E.

80.00 Set sand stone, 20 x 10 x 4. marked
 as per instructions, for the corner
 to Sections 32 and 33.

Surface broken. Prairie. Soil 2nd rate.

West on South Boundary of Sec. 32.
 Var. 14° 18' E.

40.00 Set sand stone, 16 x 12 x 3. for
 $\frac{1}{4}$ sec. corner, as per instructions.

80.00 Set sand stone, 18 x 12 x 4. marked
 as per instructions, for the corner
 to Secs. 31 and 32.

Surface broken. Prairie mostly,
 a few scattering cedar and
 Pinon trees. Soil 3rd rate.

Field Notes of the Second Standard Parallel

114 BOOK	Chains 1938	
40.00		Weston South Boundary of Sec. 31. Var. 14° 18' East. Set sand stone, 16 x 10 x 6, for $\frac{1}{4}$ sec. corner, as per instructions.
80.00		Set sand stone, 18 x 10 x 6, marked as per instructions, for the corner to Secs. 31 and 36. and Township 11 North, Ranges 6 and 7 West. Surface broken. Prairie mostly, Soil 3 $\frac{1}{4}$ rate.
Township 11 North, Range 7 West Weston South Boundary of Sec. 36. Var. 14° 18' East.		
5.00		Foot of sand stone bluff, 300 feet high, bears stand South. Offset North 50 chains, then west 40 chains, then 50 chains South to west side of bluff, at 45 chs.
54.00		Arroya, 40 feet deep, 80 lks. wide, with small stream in bottom, course North.
80.00		Set sand stone, 20 x 20 x 4, marked as per instructions, for the corner to Secs. 35 and 36. Surface broken. Prairie mostly, Soil 3 $\frac{1}{4}$ rate.
Weston South Boundary of Sec. 35. Var. 14° 18' E.		
40.00		Set sand stone, 18 x 12 x 3, for $\frac{1}{4}$ sec. corner, as per instructions.
80.00		Set sand stone, 20 x 12 x 3, marked as per instructions, for the corner to Secs. 34 & 35. Surface broken. Prairie. Soil 3 $\frac{1}{4}$ rate.
Weston South Boundary of Sec. 34. Var. 14° 18' E.		
40.00		Set sand stone, 14 x 12 x 3.

chains

70.00 for $\frac{1}{4}$ sec. corner, as per instructions,
Foot of sand stone cliff.

80.00 Place for corner to secs, 33 and 34,
on side of bluff. Impossible to
establish same. Surface broken,
Prairie. Soil 2nd rate.

West on South Boundary of Sec. 33.
Var. 14° 18' E.

40.00 Place for corner on side of bluff.
Impossible to establish same.
Surface broken. Scattering Pinon
and cedar, 3rd rate. Soil 3rd rate.
October 10th 1869.

West on South Boundary of Sec. 32.
Var. 14° 18' E.

40.00 Place for $\frac{1}{4}$ sec. corner on bluff.
Impossible to establish
same.

80.00 Set sand stone, 18 x 16 x 3, marked
as per instructions, for the cor.
to Secs, 31 and 32.
Surface rolling. Prairie
mostly. Soil 3rd rate.

West on South Boundary of
Sec. 31. Var. 15° 30' E.

40.00 Set sand stone, 16 x 14 x 3. for $\frac{1}{4}$ sec.
corner, as per instructions.

80.00 Set sand stone, 24 x 16 x 3, marked
as per instructions, for the cor.
to Secs, 31 and 36. and Township
No. 11 North. Ranges 7 and 8 West.
Surface rolling. Prairie.
Soil 2nd rate.

Township 11 North. Range 8 West.
West on South Boundary of Sec. 36.
Var. 15° 30' E.

Impracticable to establish the

Chains

116

BOOK

1938

corners on South Boundary of secs.
36.35 and 39 on account of high,
precipitous bluffs and deep canons.

West on South Boundary of Sec. 33.
Var. $15^{\circ} 30' E$.

40.00 Place for corner on bluff. Impossible
to establish same.

56.50 Leave mountains and enter valley.

80.00 Deposited marked stone, set
charred post, marked, built mound
and dug pits, as per instructions,
for the corner to Secs. 32 and 33.

Surface mountainous. Soil 3rd rate.
Scattering cedar and Pinon.

West on South Boundary of Sec. 32.
Var. $15^{\circ} 30' E$.

13.00 Dry Creek, 15 lks. wide, course S.W.

40.00 Set charred post and built mound,
for $\frac{1}{4}$ Sec. corner, 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. 31 and 32.

Surface rolling. Prairie. Soil 2nd rate.

West on South Boundary of Sec. 31.
Var. $15^{\circ} 30' E$.

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

56.20 Closing corner of First Guide
meridian.

80.00 Deposited marked stone, set
charred post, built mound and
dug pits, as per instructions,
for the corner to Township 11
North, Ranges 8 and 9 west

General Description of First Guide Meridian from First to Second Standard Parallel and Second Standard Parallel from First Guide Meridian to East Boundary of Navajo Indian Reservation.

The First Guide Meridian between the 1st and 2nd Standard Parallel, passes over a rolling country, about half of which is covered with cedar and Pinon, 3rd rate. The soil is generally 2nd rate and well adapted to grazing purposes.

The Second Standard Parallel, beginning at the East, crosses the "Hog Back Mountain", then passes through a gently rolling country as far as Range 4, where the country becomes broken and rocky, and is partially covered with cedar and Pinon. From this point the line runs through wooded valley to the 39th mile, where it intersects a precipice of red sand stone, which extends from the "Carrissa" Range on the North, to the Junicha, on the South.

The rougher portion of the country along the line is well watered and wooded, and admirably adapted to grazing.

From this point to the First Guide Meridian, the country is very mountainous, and cut up with deep and almost impassable canons.

Field Notes of the Second Standard Parallel from

Chains
118
BOOK 1938

Field Notes of the 2nd Standard Parallel, from the First Guide Meridian to the West Boundary of the Navajo Indian Reservation.

West on True Line, South Boundary of Sec. 36. Var. 15° E.

40.00 Set sand stone, 16 x 14 x 3. for $\frac{1}{4}$ Sec. corner, as per instructions.

70.00 Sand stone bluff, bears N.E. & S.W.

80.00 Place for corner to Secs. 35 and 36, on side of bluff, Impracticable to establish same, surface broken. Soil 2nd rate. Prairie

West on South Boundary of Sec. 35. Var. 15° East.

40.00 Place for $\frac{1}{4}$ Sec. corner on bluff, Impracticable to establish same, surface broken. Prairie, Soil 3rd rate.

West on South Boundary of Sec. 34. Var. 15° East.

23.00 Leave bluff, bears N.W. and S.E.

40.00 Set sand stone, 15 x 12 x 4, for $\frac{1}{4}$ Sec. corner, 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. 33 and 34.

Surface, first 20 chs. excepted, is rolling. Prairie. Soil 2nd rate.

West on South Boundary of Sec. 33. Var. 15° East.

40.00 Set sand stone, 14 x 12 x 3. for $\frac{1}{4}$ Sec. corner, as per instructions.

78.50 Ravine. 60 lbs. wide course S.W.

* 80.00 Place for corner to Secs. 34 and 35 on bluff. Impracticable to establish same.

Chains
80.00

Set sand stone, 18x12x4, marked as per instructions, for the corner to secs. 32 and 33.
Surface rolling. Prairie. Soil 2nd rate.

119
BOOK 1938

West on South Boundary of Sec. 32.
Var. 15th East.

40.00

Set granite, 14x10x4, for $\frac{1}{4}$ Sec. Cor, as per instructions.

71.00

"Rio Carrissa", 150 links wide, course S.W.

80.00

Set granite, 16x12x4, marked as per instructions, for the corner to Secs. 31 and 32.
Surface rolling. Prairie. Soil 2nd rate.

West on South Boundary of Sec. 31.
Var. 15th East.

5.00

"Rio Carrissa" 20 lks. wide, course S.W.

19.50

"Rio Carrissa" course S.W.

40.00

Set sand stone, 14x12x3, for $\frac{1}{4}$ Sec. Corner, as per instructions.

80.00

Set granite, 14x12x10, marked as per instructions, for the corner to Secs. 31 and 36, and Township 11 North, Ranges 9 & 10. West. Surface rolling. Prairie. Soil 2nd rate.

Township 11 North, Range 10 W.
West on South Boundary of Sec. 36.

Var. 15th East.

40.00

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

60.00

"Rio Carrissa" 250 lks. wide, course S.W.

80.00

Set sand stone, 20x10x3, marked as per instructions, for the corner to Secs. 35 and 36.

120
BOOK 1938

Chains

Surface rolling. Prairie. Soil 2nd rate.

Weston South Boundary of Sec. 33.
Var. 15th East.

40.00 Set charred post and built mound for $\frac{1}{4}$ Sec. corner, 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. 34 and 33.

Surface rolling. Prairie. Soil 2nd rate.

Weston South Boundary of sec. 34
Var. 15th East.

15.00 Sand stone bluff, bears N + S.

40.00 Place for $\frac{1}{4}$ Sec. corner on bluff impracticable to establish same.

80.00 Place for corner to Secs. 33 and 34 on bluff. Impracticable to establish same.

Surface mostly sand stone. Soil 3rd rate.

Weston South Boundary of Sec. 33.
Var. 15th East.

25.00 Top of bluff, 400 feet high, bears north and south.

26.00 Leave same.

40.00 Set sand stone, 14 x 12 x 3. for $\frac{1}{4}$ Sec. corner, 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. 32 and 33.

Surface partly rolling, Prairie. Soil 2nd rate.

Chains

West on South Boundary of Sec. 32
Var. 15° E.

40.00 Set sand stone, 14 x 12 x 3. for $\frac{1}{4}$ Sec. corner, as per instructions.

53.00 "Rio Carrissa", 200 lks wide course north.

80.00 Deposited marked stone, set charred post, and built mound and dug pits, as per instructions, for the corner to Secs. 31 and 32.
Surface level. Prairie. Soil 1st rate.

West on South Boundary of Sec. 31.
Var. 15° East.

10.00 "Rio DelChille" Course north.

12.50 Leave same. High banks, sandy bottom and gentle current.

40.00 Set sand stone, 14 x 12 x 3. for $\frac{1}{4}$ Sec. corner, as per instructions.

64.00 Leave valley and foot of sand stone bluff, bears north and south.

80.00 Set sand stone, 20 x 10 x 4. marked as per instructions, for the corner to Secs. 31 and 36, and Township 11 North. Ranges 10 and 11 west.
Surface level, except bluff
Prairie. Soil 1st rate.

Impracticable to proceed any further on line on account of the perpendicular sand stone bluffs, therefore offset north one mile, thence west and at 60.30 chs. intersect West Boundary of Navajo Indian Reservation. 170 links north of 61st mile corner, therefore if the line had been projected it would have intersected the West Boundary of the Navajo Reservation 170 lks. north.

of the 60th mile corner,
October 12th 1869.

Measuring chain compared with
Standard and found correct

Township 11 North.

Field Notes of the First Guide Me-
ridian from the 2nd Standard Parallel
to the North Boundary of the Navajo
Indian Reservation.

North on East Boundary of Sec 36.
Var. 14° 33' E.

37.50 Top of sand stone bluff, 250 feet high, bears E & W.
 40.00 Marked surface rock, for $\frac{1}{4}$ sec. corner, as
 per instructions.
 50.00 Deposited marked stone, set charred
 post, marked, built mound and dug
 pits, as per instructions, for the corner
 to Secs. 25, 30, 31 and 36.
 Surface broken. Prairie soil 3rd rate.

North on East Boundary of Sec. 25.
Var. 15° East.

40.00 Set sand stone, 16x14x3. for $\frac{1}{4}$ Sec. Cor. as
 per instructions.
 72.50 Cañon, 100 feet deep, course West
 79.00 Leave same.
 80.00 Marked surface rock, as per instruc-
 tions, for the corner to Secs. 19,
 24, 25 and 30.
 Surface rolling. Prairie. Soil 2nd rate.

North on East Boundary of Sec. 24.
Var. 15° 20' E.

10.00 Cañon, 75 feet deep, course S.W.
 13.50 Leave same.
 40.00 Set charred post and built mound
 for $\frac{1}{4}$ sec. corner, as per instruc-
 tions, for the corner to Secs. 18,
 19 and 24.

Chains

Surface broken. Prairie Soil 3rd rate.

North on East Boundary of Sec. 13.
Var. 15° 45' E.

- 9.00 Ravine, 120 lks, wide, course West.
 - 40.00 Set sand stone, 16 X 14 X 4. for $\frac{1}{4}$ Sec corner, as per instructions.
 - 76.00 Ravine, 130 lks, wide, course West.
 - 80.00 Set sand stone, 16 X 15 X 3. marked as per instructions, for the corner to Secs. 7, 12, 13 and 18.
- Surface broken. Prairie Soil 3rd rate.

North on East Boundary of Sec. 12. Var. 15° 45' East.

- 19.50 Ravine, 100 lks, wide, course West.
 - 40.00 Set sand stone, 16 X 14 X 4. for $\frac{1}{4}$ Sec. corner, as per instructions.
 - 45.00 Edge of mesa, 150 feet high. bears E & W.
 - 80.00 Set sand stone, 30 X 12 X 3. marked as per instructions, for the corner to Secs. 1, 6, 7 and 12.
- Surface rolling, Prairie Soil 2nd rate.

North on East Boundary of Sec. 1. Var. 15° 45' E.

- 40.00 Set sand stone, 14 X 12 X 3. for $\frac{1}{4}$ Sec. corner, as per instructions.
 - 80.00 Set sand stone, 26 X 14 X 8 marked as per instructions, for the corner to Secs. 1, 6, 31 and 36, and Townships 12 and 13 north, Ranges 8 and 9 west.
- Surface rolling, Prairie Soil 2nd rate.

Chains

124
BOOK

Chains

1938

North on East Boundary of Sec. 1.
Var. 15° 45' East.

- 3.20 Edge of Mesa, bears East and West.
- 40.00 Set sand stone, 14 x 10 x 4, for $\frac{1}{4}$ Sec. Cor. as per instructions.
- 75.00 Cañon, 200 feet deep, course N. 20.
- 80.00 Place for corner in Cañon, impracticable to establish same.
Set sand stone, 14 x 12 x 3, marked "W.C." 1.00 chn. East of place for corner for witness corner.
Surface broken. Prairie. Soil 3rd rate.

Township 12 North.

North on East Boundary of Sec. 36.
Var. 15° 45' E.

- 40.00 Set sand stone, 16 x 14 x 3, for $\frac{1}{4}$ sec. cor. as per instructions.
- 80.00 Set sand stone, 20 x 16 x 2, marked as per instructions, for the corner to Secs. 28, 30, 31 and 36.
Surface broken. Prairie. Soil 3rd rate.

North on East Boundary of Sec. 25.
Var. 15° 45' E.

- 40.00 Marked surface rock for $\frac{1}{4}$ Sec. Cor. as per instructions.
- 80.00 Set sand stone, 30 x 24 x 3, marked as per instructions, for the corner to Secs. 19, 24, 28 and 30.
Surface broken. Prairie. Soil 3rd rate.

North on East Boundary of Sec. 24.
Var. 14° 45' East.

- 40.00 Marked surface rock, for $\frac{1}{4}$ sec. cor. as per instructions.
- 80.00 Set sand stone, 28 x 14 x 4, marked as per instructions, for the corner to Secs. 13, 18, 19 & 24.

Chains

Surface broken. Prairie. Soil 3 $\frac{1}{2}$ rate

North on East Boundary of Sec. 13.
Var. 15° 45' East.

40.00 Set sand stone, 26 x 12 x 3. for $\frac{1}{4}$ Sec. Cor.
as per instructions.

80.00 Set granite, 15 x 8 x 6. marked as per in-
structions, for the corner to Secs. 7, 12,
13 and 18.

Surface broken. Prairie. Soil 3 $\frac{1}{2}$ rate.

North on East Boundary of Sec. 12.
Var. 15° 45' E.

31.00 Dry Creek 1.50 wide, course west.

40.00 Set sand stone, 14 x 14 x 3. for $\frac{1}{4}$ sec.
corner, as per instructions.

56.50 Creek, 30 lks. wide, course west.

80.00 Set sand stone, 14 x 14 x 3. marked
as per instructions, for the corner
to Secs. 1, 6, 7 and 12.

Surface rolling. Prairie. Soil 2 $\frac{1}{2}$ rate.

North on East Boundary of Sec. 1.
Var. 15° 45' East.

40.00 Set sand stone, 14 x 12 x 3. for $\frac{1}{4}$ Sec.
corner, as per instructions.

80.00 Set sand stone, 26 x 14 x 8. marked
as per instructions, for the corner
to Secs. 1, 6, 31 and 36. and

Townships 12 and 13 north.

Ranges 8 and 9 west.

Surface rolling. Prairie.
Soil 2 $\frac{1}{2}$ rate.

Township 13, North.

North on East Boundary of
Sec. 36.

Var. 15° 45' East.

40.00 Set sand stone, 16 x 12 x 3. for $\frac{1}{4}$

27
126
BOOK 1938

Chains

50.00

see corner, as per instructions.
Set sand stone, 15 x 12 x 3. marked
as per instructions, for the corner
to Secs. 25, 30, 31 and 36.
Surface broken. Prairie, Soil 2nd rate.

40.00

North on East Boundary of Sec. 20.
Var. 15^o 45' East

Set sand stone, 16 x 14 x 3. for $\frac{1}{4}$ sec.
corner 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. 19, 24, 25 and 30.

Surface rolling. Prairie. Soil 2nd rate.

40.00

North on East Boundary of Sec. 28.
Var. 15^o 45' E.

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

80.00

Set sand stone, 30 x 18 x 2. marked as
per instructions, for the corner
to Secs. 13, 18, 19 and 24.

Surface rolling. Prairie.
Soil 2nd rate. Oct. 13th 1869.

11.00

North on East Boundary of Sec. 13.
Var. 15^o 45' E.

Dry bed of Creek, 40 lks. wide,
course west.

40.00

Set sand stone, 14 x 12 x 4. for $\frac{1}{4}$ sec. cor.
as per instructions.

80.00

Set sand stone, 16 x 12 x 3. marked
as per instructions, for the corner
to Secs. 7, 12, 13 and 18.

Surface rolling. Prairie. Soil 2nd rate.

Chains

North on East Boundary of Sec. 12.
Var. 15° 45' East.

40.00 Set sand stone, 18x14x6. for 1/4 Sec. cor. as per instructions.

80.00 Set sand stone, 18x16x3. marked as per instructions, for the corner to Secs. 1, 6, 7 and 12.
Surface rolling. Prairie. Soil 2nd rate.

North on East Boundary of Sec. 1.
Var. 15° 45' E.

38.50 Dry bed of creek, 35 lks. wide, course S.W.

40.00 Set granite, 20x16x10. for 1/4 Sec. corner, as per instructions.

44.00 Ravine 30 lks wide, course S.W.

72.00 Ravine 30 lks, wide, course S.W.

80.00 Marked sand stone boulder 84x48x36. as per instructions, for the corner to Secs. 1, 6, 31 and 36. and Townships 13 and 14 North, Ranges 8 and 9 west.
Surface broken, Prairie. Soil 3rd rate.

Township 14 North.

North on East Boundary of Sec 36.
Var. 15° 45' E.

11.50 Edge of mesa, 400 feet high, bears East and West.

40.00 Set charred post and built mound for 1/4 Sec. corner, as per instructions.

58.50 Edge of mesa, bears East and West.

80.00 Set sand stone, 14x12x8, marked as per instructions, for the corner to Secs. 28, 30, 31 & 36.
Surface broken. Mesa covered with Cedar and Pinon, 3rd rate.
Soil 3rd rate.

Field notes of the First Guide Meridian from the

128
BOOK

chains

1888

North on East Boundary of Sec. 25.

Var. 16^e East

40.00 Set sand stone, 14 X 10 X 6. for $\frac{1}{4}$ sec. corner, as per instructions.

80.00 Set sand stone, 18 X 12 X 6. marked as per instructions, for the corner to sees. 19. 24. 25 and 30.

Surface broken. Prairie. Soil 3rd rate.

North on East Boundary of Sec. 24.

Var. 16^e E.

12.60 Ravine, 15 lks. wide, course NW.

40.00 Set granite, 24 X 18 X 4. for $\frac{1}{4}$ sec. corner, as per instructions.

80.00 Set sand stone, 18 X 10 X 3. marked as per instructions, for the corner to sees. 13. 18. 19 and 24.

Surface broken. Prairie. Soil 3rd rate.

North on East Boundary of Sec. 13.

Var. 16^e East

40.00 Set sand stone, 16 X 14 X 3. for $\frac{1}{4}$ sec. corner, as per instructions.

80.00 Set sand stone, 14 X 12 X 3. marked as per instructions, for the corner to sees. 7. 12. 13 and 18.

Surface level. Prairie. Soil 1st rate.

North on East Boundary of Sec. 12.

Var. 16^e East

40.00 Set sand stone, 14 X 10 X 6. for $\frac{1}{4}$ sec. cor. as per instructions.

80.00 Set sand stone, 18 X 10 X 3. marked as per instructions, for the corner to sees. 1. 6. 7 and 12.

Surface level. Prairie. Soil 1st rate.

chains

North on East Boundary of Sec. 1.
Var. 16th East.
40.00 Set sand stone, 14 X 12 X 3. for 4 Sec. Cor.
as per instructions.
80.00 Set sand stone, 18 X 10 X 3. marked as
per instructions, for the corner to Secs,
1, 6, 31 and 36, and Townships 14 and
15 North, Ranges 8 and 9 west,
Surface level. Prairie. Soil 1st rate.

Township 15 North.
North on East Boundary of Sec. 36.
Var. 16th East.
40.00 Set sand stone, 15 X 10 X 3. for 4 Sec Cor.
as per instructions.
45.50 Ravine, 110 lks. wide, course west,
66.30 Intersect North Boundary of
Reservation, 41.20 chs. East of
19th mile, west of Territorial
corner.
Surface level. Prairie. Soil 1st rate
Completed October 14th 1867.

General Description of the First
Guide Meridian, from the First
Standard Parallel to the North
Boundary of the Navajo Indian
Reservation, and the Second
Standard Parallel from the East
to the West Boundary of said
Reservation
The land along the Meridian for the
first seven miles is rolling, soil
2nd rate, covered with scattering
Pinon and cedar timber.
The next three miles and a half
runs over a mesa, 600 feet
in height. The balance of the
line runs over a level country,
soil 1st rate, well adapted to
either farming or grazing.

BOOK 1938

The Parallel runs over a gently rolling country, soil 1st and 2nd rate, covered with a fine variety of grass. About seven and a half miles from the Meridian, it crosses a ridge of red sand stone, gradually sloping up from the East and dropping off nearly perpendicular at the west. Estimated 350 feet high.

It then enters the valley of the "De Chille", which is level, 1st rate land. After crossing the river, it intersects sand stone bluff about 300 feet high, which is inaccessible.

We hereby certify that we assisted E. N. Darling, U.S. Surveyor, in surveying the First Guide Meridian from the First Standard Parallel to the North Boundary of the Reservation and the Second Standard Parallel from the East to the West Boundary of the Navajo Indian Reservation, and that said Meridian and Parallel 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.

Willard S Paul Compassman.

William J Hare,
John Howe } Chairmen.

Robert C Darling,
Sheldon W Shafer } Cornermen.

Subscribed and sworn to, by the above named persons, before me, E. N. Darling, U.S. Surveyor, in Township 1 North, Range 6 west of the Navajo Special Meridian, in the Territory of Arizona, this 28th day of January, 1869.
 E. N. Darling,
 U.S. Surveyor.

I, E. N. Darling, U.S. Surveyor, do solemnly swear that in pursuance of a contract with the Commissioner of the General Land Office, dated 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, I have faithfully surveyed the First Guide Meridian from the First Standard Parallel to the North Boundary of the Reservation and the Second Standard Parallel from the East to the West Boundary of the Navajo Indian Reservation and do further solemnly swear that the foregoing are the true and original field notes of such survey.

E. N. Darling
 U.S. Surveyor.

Subscribed by said E. N. Darling, U.S. Surveyor, and sworn to before me, this 3rd day of February A.D. 1870.

Wm. Breeden,
 Clerk U.S. District Court
 1st Judicial Dist. N. Mexico.

BOOK 1938

Department of the Interior,
General Land Office.

February 28th 1870.

The foregoing field notes of the survey of the First Guide Meridian from the First Standard Parallel to the North Boundary of the Reservation and the Second Standard Parallel from the East Boundary to the West Boundary of the Navajo Indian Reservation in the Territories of New Mexico and Arizona, executed by Ehud C Darling, U.S. Surveyor, under his contract with the Commissioner of the General Land Office, having been critically examined, the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

Jos. S. Wilson,
Commissioner

Department of the Interior
General Land Office
February 26th 1871

A True Copy

J. A. Williamson
Commissioner