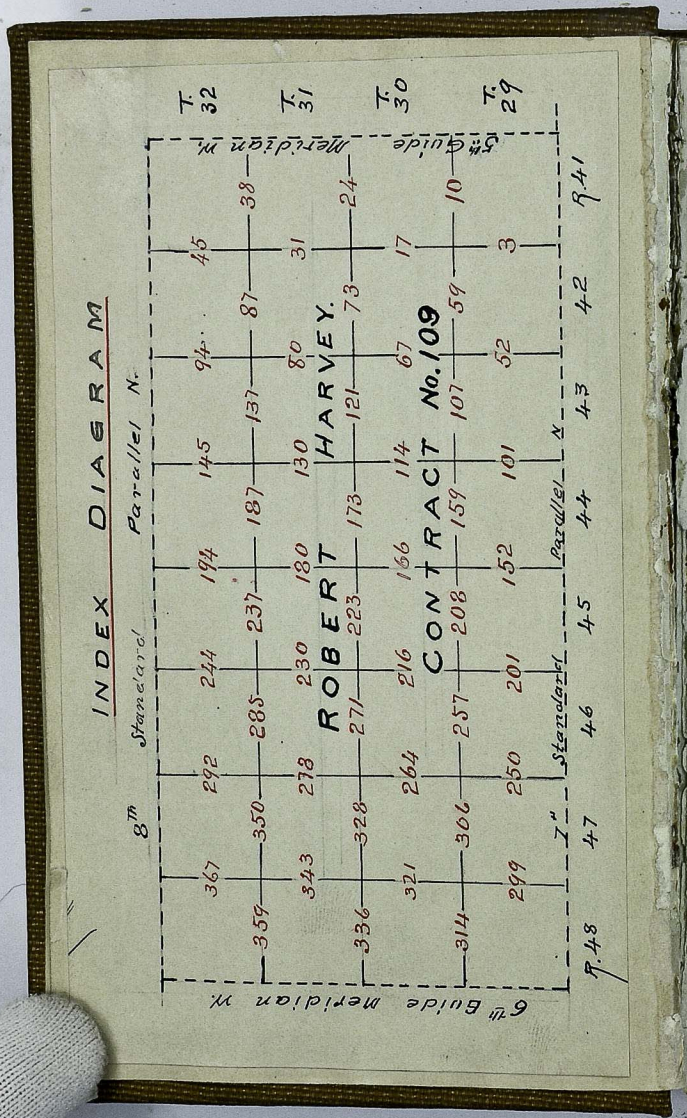
General Land Office • Original Field Notes

Book Number

272

The images in this file are photographs of the notes of the original surveys of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The original surveys in Nebraska began in the mid 1850's and were completed in the mid 1880's. The Nebraska office of the Surveyor General was closed June 30, 1886.



(89)

Field Notes of the Survey and establishment of the Exterior lines and Boundaries of Townships 29, 30, 31 and 32 of Ranges No. 41, 42, 43, 44, 45, 46, 47 and 48 and Townships No. 33, 34 and 35 of Ranges no. 41 and 42, and Township No. 33 of Range No 43, all North of the Base line and West of the Sixth Principal Meridian in Nebraska surveyed by Robert Harvey, Deputy Surveyor under joint Contract No. 109 bearing date July 31st 1878 wherein Nicholas Paul, Robert Harvey and Charles R. Storkweather are joint Contractors with John R. Clarke U. S. Surveyor General for the District of Nebraska and Iowa.

~~(B)~~

Names and duties of Assistants

William Culbertson, Chainman
David Davis Chainman
Samuel Britton Moundman
Max Amende Moundman
Edwin Turner, Flagman

Survey
Commenced Sept 29. 1874

Between Ranges 41 and 42 W T. 29 N

Begin at established Standard corner to Townships 29 North ~~of~~ Ranges 41 and 42 West on the 7th Standard Parallel and run North on the range line between secs 31 and 36
Variation by Burts improved Solar Compass 14° 15' E.

40.00 Deposited charred stake Set Hackberry post 3×3 in 4 ft. 18 in. deep, raised mound of earth 2½ ft high from pits 18×24×12 in deep for 1/4 sec cor

80.00 Deposited charred stake, Set Hackberry post 3×3 in 4 ft 18 in. deep, raised mound of earth 2½ ft high from pits 18×24×12 in deep for corner to secs 30, 31, 25 and 36
Land rolling, Sandy Soil Third rate

Between Ranges 41 and 42 W.B.297

North between secs 25 & 30
Va 14° 15' E.

4000 Deposited charred stake,
Set a Hackberry post 3x3 in
4 ft. 1 ft. deep, raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in. deep for
1/4 sec Cor.

8000 Deposited charred stake
Set a Hackberry post 3x3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in. deep
for corner to secs
19, 30, 24 and 25
Land rolling Sandhills
Soil Third rate

Between Ranges 41 and 42 W.J.297

North between secs. 19 & 24
Va 14° 15' E.

4000 Deposited charred stake
Set a Hackberry post 3x3 in
4 ft. 1 ft. deep, raised
mound of earth 2½ ft.
high from pits 18 x 24
x 12 in. deep for 1/4 sec. cor

8000 Deposited charred stake
Set a Hackberry post 3x3 in
4 ft. 1 ft. deep, raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in deep
for corner to secs 18, 19
13 and 24
Land Rolling Sandhills
Soil Third rate

Between Ranges 41 and 42 W. T. 29.

North between secs 13 & 18
Va 14° 15' E.

4000 Deposited charred stake
Set Hackberry post 3x3 in.
4 ft. 1 ft. deep, raised mound
of Earth 2½ ft. high from
pits 18 x 24 x 12 in. deep for
1/4 sec cor

8000 Deposited charred stake
Set Hackberry post 3x3 in
4 ft. 1 ft. deep, raised mound
of Earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for corner to secs 7, 18
12 and 13
Land, rolling Sandhills
Soil Third rate

Between Ranges 41 & 42 W. T. 29 N.

North between secs. 7 and 12
Va 14° 15' E.

4000 Deposited charred stake
Set hackberry post 3x3 in
4 ft. 1 ft. deep, raised mound
of Earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor

8000 Deposited charred stake
Set a Hackberry post 3x3
in. 4 ft. 1 ft. deep, raised
mound of Earth 2½ ft.
high from pits 18 x
24 x 12 in. deep for
corner to secs 6, 7, 1
and 12
Land rolling Sandhills
Soil Third rate

Between Ranges 41 and 42 W. T. 29 N.

North between secs 1 and 6
Va 14° 15' E.

4000 Deposited charred stake
Set a Hackberry post 3x3 in
4 ft. 1 ft. deep raised mound
of Earth 2½ ft. high from
pits 18x24x12 in. deep
for 1/4 sec cor.

8000 Deposited charred stake
Set a Red Cedar post 4x4 in 4
ft. 1 ft. deep raised mound
of Earth 2½ ft. high from
pits 18x24x12 in. deep
for corner to Townships
29 and 30 N. Ranges
41 and 42 W
High rolling Sandhills
Soil Thirdrate
Sept. 29th 1878.

Between Tps 29 & 30 N R 41 West.

From the established corner
to Townships 29 and 30 N.
Ranges 41 and 42 W I run
East on a random line
between said Township
Va 14° 15' E.
I set temporary half mile
and mile posts at every
40 and 80 chains and
at 6 miles and 37 links
to a point 2.94 chs South
of corner to Townships 29
and 30 N. Ranges 40 &
41 West.
The correction
for the true line
will therefore be
37 links East and
49 links North
per mile
My true Course S. 89° 39'
West

Between Tps 29 & 30 N R 41 W

From the corner Townships 29 & 30 N Ranges 40 & 41 W. I run S, 89°39' West on true line between secs 1 and 36 Va 15°37' E.

4000 Deposited charred stake, Set hackberry post 3X3 in, 4 ft. 1 ft. deep raised mound of Earth 2½ ft high from pits 18 X 24 X 12 in deep for 1/4 sec cor

8000 Deposited charred stake Set Hackberry post 3X3 in 4 ft. 1 ft. deep raised mound of Earth 2½ ft high from pits 18 X 24 X 12 in deep for corner to secs. 1, 2, 35 and 36 Land rolling Sandhills Soil Thirdrate

Between Tps 29 & 30 N R 41 West

S 89°39' West on true line between secs 2 & 35 Va 15°37' E.

4000 Deposited charred stake Set a Hackberry post 3X3 in 4 ft. 1 ft. deep raised mound of Earth 2½ ft. high from pits 18 X 24 X 12 in. deep for 1/4 sec cor

8000 Deposited charred stake Set a Hackberry post 3X3 in 4 ft. 1 ft. deep, raised mound of Earth 2½ ft high from pits 18 X 24 X 12 in deep for corner to secs. 2, 3, 34 and 35 Land rolling Sandhills Soil Thirdrate

Between Tps 29 & 30 N R 41 W.

S 89°39' West on true line
between secs 3 & 34
Va 15°37' E.

4 — 27.00 Leave hills and enter valley
bears NE & SW

40.00 Deposited charred stake
Set Hackberry post 3X3 in. 4
ft. 1 ft. deep, raised mound
8 of Earth 2½ ft high from
pits 18 X 24 X 12 in. deep
for 1/4 sec. cor.

79.00 Leave valley and enter
Sand hills bear N & S

80.00 Deposited charred stake
Set Hackberry post 3X3 in. 4
ft. 1 ft deep raised
mound of Earth 2½ ft
high from pits 18 X 24 X
12 in. deep for Corner
To secs. 3, 4, 33 & 34
Hills, Sandy, Thirdrate
Valley, dark soil, 1st rate

Between Tps. 29 & 30 N R 41 W.

S 89°39' West on true line
between secs 4 and 33
Va 15°37' E.

40.00 Deposited charred stake
Set a Hackberry post 3X3 in
4 ft. 1 ft. deep raised mound
of Earth 2½ ft. high
from pits 18 X 24 X 12
in deep for 1/4 sec cor.

80.00 Deposit charred stake
Set a Hackberry post 3X3 in
4 ft. 1 ft. deep raised mound
of Earth 2½ ft. high
from pits 18 X 24 X 12
in deep for Corner
to secs. 4, 5, 32 and 33
Land high, Sandhills
Soil Thirdrate

Between Tps. 29 & 30 N R 41 W

S 89° 39' West on true line
between secs. 5 & 32
Var 15° 37' E

4 40.00 Deposited charred stake
Set a Hackberry post 3 x 3 in
4 ft. 1 ft. deep, raised
mound of earth 2½ ft.
high from pits 18 x 24
8 x 12 in deep for 1/4 sec. Cor.

8000 Deposited charred stake
Set a Hackberry post 3 x 3 in
4 ft. 1 ft. deep, raised
mound of earth 2½ ft
high from pits 18 x 24
x 12 in deep for corner
to secs. 5, 6, 31 and 32
Rolling Sandhills
Soil Third rate

Between Tps. 29 & 30 N R 41 W

S 89° 39' West on true line
between secs. 6 & 31
Var 15° 37' E

4000 Deposited charred stake
Set a Hackberry post 3 x 3 in 4
ft. 1 ft deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in
deep for 1/4 sec cor

80.37 The corner to Township
29 & 30 N Ranges 41 and
42 West
Land Rolling Sandhills
Soil Third rate

T. 29 N R 41 W Between Ranges 41 and 42 W. T 30 N

General Description

This is a very poor worthless Township. The surface is high rolling sand hills of poor quality. There are a few vales interspersed among the hills which produce tall grass generally suitable for hay. In the SE part are large Morshes overgrown with tall weeds and bulrushes. In the South part there is a large shallow lake liable to dry up containing about 200 acres. On NW 4 of sec 32 is a large Spring of Clear Cold water. No streams of living water in the Township. Small clumps of Hazel, Berry and Cedar among the hills

From the established corner to Townships 29 & 30 N. Ranges 41 and 42 W. I run North on the Range line between secs. 31 and 36 Va 15° 05' E.

4000 Deposit charred stake Set Red Cedar post 2x2x30 in 5 pit As per Special Instructions, raised mound of Earth 2½ ft. high from pits 18x24x12 in deep for 1/4 sec cor

8000 Deposited charred stake and raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 30, 31, 25 and 36: Set Red Cedar post 2x2x30 in 5 pit as per Special Instructions

Rolling Sandhills
Soil Third rate

Between Ranges 41 and 42 W.J.30

North between secs. 25 & 30
Va 15° 05' E

4000 Deposited charred stake
Raised mound of earth
2½ ft. high from pits 18 +
24 + 12 in deep for 1/4
sec cor. Drove Red Cedar
stake 2 × 2 × 30 in. in E pit

8000 Deposited charred stake
and Raised mound of earth
2½ ft. high from pits 18
+ 24 + 12 in deep for
corner to secs. 19, 30, 24 & 25
Drove Red Cedar post
2 × 2 × 30 in. in SE pit
Rolling Sandhills
Soil Thurdrate

Between Ranges 41 & 42 W.J. 30 N.

North between secs. 19 & 24
Va 15° 10' E.

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 × 24 × 12 in deep for
1/4 sec cor.
Drove Red Cedar stake 2 × 2
× 30 in, in East pit

8000 Deposit charred stake
and raised mound of
earth 2½ ft. high from
pits 18 × 24 × 12 in deep
for corner to secs. 18, 19
13 and 24
Drove marked Red Cedar
stake 2 × 2 × 30 in in the
SE pit
Rolling Sandhills
Soil Thurdrate

Between Ranges 41 & 42 W. T. 30 N.

North between secs. 13 & 18
Va 15° 10' E

3000 Leave sandhills and enter undulating tableland bears NE & SW.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec. cor. Drove marked Red Cedar stake 2 × 2 × 30 in. East pit

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to secs. 7, 18, 12 & 13 Drove marked Red cedar stake 2 × 2 × 30 in. SE pit

South 30 chs. Sandhills
North 50 " good
Clayey land second rate

Between Ranges 41 & 42 W. T. 30 N.

North between secs. 7 & 12
Va 15° 10' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec. cor. Drove marked Cedar stake 2 × 2 × 30 in. in E. pit

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to secs. 6, 7, 1 and 12 Drove marked Red Cedar post 2 × 2 × 30 in. in SE pit

Undulating surface
Soil clay & sand mixed
Second rate

Between Ranges 41 & 42 W. T. 30 N.

North between secs 1 & 6
Var 15° 10' E.

4000 Deposit charred stake
redised mound of Earth
2 1/2 ft. high from pits
18 x 24 x 12 in. deep for
1/4 sec cor

Drove marked Red Cedar
8 stake in E pit, 2 x 2
+ 30 inches

8000 Deposit charred stake
Set Red Cedar post 4 x
4 in. 4 ft. 1 ft. deep, raise
mound of Earth 2 1/2
ft high from pits 18 x 24
& 12 in. deep for corner
to Townships 30 & 31 N
Ranges 41 and 42 West
Land gently rolling
clay and sand mixe
Soil second rate

For the established
Corner to Townships 30
& 31 N Ranges 41 and 42
West I run
East on a random
line between said
Townships
Var 15° 15' E
I set temporary half
mile and mile posts
at every 40 and 80
chains and at 6 miles
1 chain and 98 links
to a point 150 links
South of the corner to
Townships 30 & 31 N Ranges
40 and 41 West.
The conection for
the true line will
therefore be 1 chain
and 98 links East and
25 links North per
mile — A. McGree
Course will be S. 89° 49' W.
Sept. 30th 1878

Between Tps 30 & 31 N R 41 W.

From the established corner to Township 30 & 31 North Ranges 40 & 41 West. I run S89°49' West on true line between secs. 1 and 36 Va 15° 40' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs 1, 2, 35 and 36.

Drove marked Red Cedar stake 3 x 3 x 30 in. in pit SE of corner

Land Rolling Soil 2d Grade

Between Tps. 30 & 31 N R 41 West

S89°49' West on true line between secs 2 & 35 Va 15° 40' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 2, 3, 34 & 35. Drove marked Red Cedar stake 3 x 3 x 30 in. in pit SE of corner

Low rolling hills

Soil secondrate

Between Tps. 30 & 31 N R 41 W

S 89° 49' West on true line between secs 3 & 34
Va 15° 35' E

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 3, 4, 33 and 34
Drove marked Red Cedar stake 3 x 3 x 30 in. in SE pit
Low rolling hills
Soil Second rate

Between Tps. 30 & 31 N R 41 West.

S 89° 49' West on true line between secs 4 & 33
Va 15° 35' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs 4, 5, 32 & 33
~~Land low rolling hills~~
~~Soil sec~~
Drove marked Red Cedar post 3 x 3 x 30 in SE pit
Land low rolling hills
Soil Second rate

Between Tps. 30 & 31 N R 41 West

S 89° 49' West on true line
between secs 5 & 32
Va 15° 35' E

2000 Leave low hills and enter undulating tableland Veers N E & S

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 114 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 5, 6, 31 and 32
Drove Marked Red Cedar stake 3 x 3 x 30 in. in SE pit

Between Tps. 30 & 31 N R 41 W

S 89° 49' West on true line
between secs 6 and 31
Va 15° 35' E.

4000 Deposit charred stake and raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for 114 sec cor.

8198 The corner to Townships 30 & 31 N Ranges 41 and 42 West.
Land undulating tableland
Soil secondrate
October 1st 1878

Township 30 N R 41 West

General Description

The Surface in this township is rolling In the Southern part the Soil is sandy and very poor. In the Northern part it is of a better quality. There is a small lake in section 36. but there is no living water The township produces a good growth of grass for grazing

Between Ranges 41 and 42 W T. 31 N

From the established corner to Townships 30 and 31 N Ranges 41 and 42 West I run North on the Range line between secs. 31 and 36

Va 14° 50' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 114 sec cor.

52.30 Ravine course NW

79.30 Spring branch 5 lks wide runs NW

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to secs 30. 31. 25 & 36 from which A Pine 6 in. diam bears N 40° W 38 lks dist A Pine 6 in diam bears S 41° E 54 lks dist. Drove marked Red Cedar stake 3 x 3 x 30 in SE pit

Rolling surface Soil Second rate Pine and Cedar along Branch

Between Ranges 41 and 42 W. P. 31 N

North between secs 25 & 30
Va 14° 50' E

2950 Ravine course N W
4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
5750 Cottonwood course N W
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to secs. 19, 30, 24 & 25
Drove marked red Cedar Stake 3 x 3 x 30 in. in SE pit
Surface rolling & broken
Soil third rate White clay

Between Ranges 41 & 42 W. P. 31 N

North between secs. 19 & 24
Va 14° 45' E

3450 Leave upland and enter bottom bears N E & S W
4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.
4875 Niobrara river 150 links wide 1 ft. deep runs N E
5745 Leave bottom and enter upland bears East and West
6100 Enter undulating table land bears E and West
7000 Wagon road bears E & W
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Corner to secs. 18, 19, 13 and 24
Drove marked Ash stake 3 x 3 x 30 in. in SE pit
Land South of bottom Clay
Soil second rate
Bottom third rate
North of bottom second rate

Between Ranges 41 and 42 W.J.M.

North between secs 13 & 18
Va 14° 45' E.

1700 Ravine course OE
4000 Deposit charred stake
and raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for 1/4 sec cor.
6950 Dry creek course OE
8000 Deposit charred stake
raised mound of earth 2½
high from pits 18 x 24 x 12
in deep for ~~corner~~
to secs 7, 18, 12 and 13
Drove marked ash stake
3 x 3 x 36 in. in OE pit
Land along dry creek
sandy, soil third rate
balance clay, second rate

Between Ranges 41 and 42 W.J.M.

North between secs 7 and 12
Va 14° 48' E

4000 Deposit charred stake
and raised mound of earth
2½ ft high from pits 18 x
24 x 12 in. deep for 1/4
sec cor
8000 Deposit charred stake and
raised mound of earth 2½
ft high from pits 18 x 24
x 12 in. deep for corner to
secs 6, 7, 1 and 12
Drove marked Ash
stake 3 x 3 x 36 inches
in SE pit
High undulating Tableland
Soil Second rate

Between Ranges 41 and 42 W. T. 31 N

North between secs 1 and 6
Va 14° 51' E

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec c 5

8000 Deposit charred stake set ash post 4 x 4 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft deep from pits 18 x 24 x 12 in. deep for corner to Townships 31 and 32 North Ranges 41 and 42 West
Surface Undulating
Soil Clay accordin

Between Tps. 31 and 32 N R 41 W

From the established corner to Townships 31 and 32 N Ranges 41 and 42 W. I run East on random line between said Townships
Va 14° 54' E

I set temporary half mile and mile posts at every 40 and 80 chains and 5 miles 79 chains and 90 links to a point 12 links North of the corner to Tps 31 and 32 N Ranges 40 and 41 West

The correction for the true line will therefore be 10 links West and 2 links South per mile & my true course will be N. 89° 59' West.

Between Tps 31 and 32 N R 41 W

From the established corner to Townships 31 and 32 N Ranges 40 and 41 W I run

N 89° 59' West on true line between secs 31 & 36

Va 15° 05' E

2400 Ravine course SE

4000 Deposited charred stake Set Willow post 2×2×36 inches 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for 114 sec cor

7840 Wagon road bears NE & SW.

8000 Deposit charred stake Set Willow stake 3×3 in 4 ft. 1 ft deep raised mound of earth 2½ ft high from pits 18×24×12 in deep for corner to secs 1, 2, 35 and 36

Surface rolling

Soil sandy thirdrate

Between Tps 31 & 32 N R 41 W.

N 89° 59' West on true line between secs 2 & 35

Va 15° 05' E.

4000 Deposit charred stake Set Willow post 2×3×40 inches 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in deep for 114 sec cor.

5900 Enter Ravine bears N & SE.

8000 Deposit charred stake Set Willow post 3×3 in 4 ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs 2, 3, 34 and 35

Rolling Surface

Soil, Sandy, thirdrate

Between Tps. 31 & 32 N R 41 W

N 89° 59' West on true line
Between secs 3 & 34
Va 15° 05' E

900 Leave Ravine or dry creek
bears E and NW

4000 Deposit charred stake
Set willow 2 X 3 in 4 ft. 18 in
deep raised mound of
earth 2½ ft high from pits
18 x 24 x 12 in deep for
1/4 sec cor

8000 Deposit charred stake
and raised mound of earth
2½ ft. high from pits 18 x
24 x 12 in deep for corner to
secs 3, 4, 33 and 34
Drove marked Red Cedar
stake 2 x 2 x 30 in in Deposit
Land. E½ Sandy 3rd rate
West half dark Clay
Loam Good
Second rate

Between Tps. 31 and 32 N R 41 W

N 89° 59' West on true line
Between secs 4 & 33
Va 15° 05' E.

4000 Deposit charred stake and
raised mound of earth 2½
ft high from pits 18 x 24 x
12 in. deep for 1/4 sec cor

8000 Deposit charred stake and
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for
corner to secs. 4, 5, 32 & 33
Drove ~~a~~ marked Red
Cedar Stake in S.E. pit
Surface gently rolling
Soil, Clay, good 2nd rate

Between Tps. 31 and 32 N R 41 W

N 89° 59' West on true line between secs 5 & 32
Va 15° 05' E

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corners to secs 5, 6, 31 and 32
Drove marked Red Cedar stake 2 × 2 × 24 in in S E pit
Surface gently rolling
Soil good secondary
Clay land

Between Tps. 31 and 32 N R 41 W

N 89° 59' West on true line between secs 6 and 31
Va 15° 05' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec cor.

7990 The corner to Townships 31 and 32 N Ranges 41 and 42 West
Surface gently rolling
Soil, clay, secondary

Township 31 N R 41 West

General Description

This township is watered by the Niobrara river, which runs East through the center of the township. The valley is very narrow, scarcely exceeding two hundred yards. The banks are generally very abrupt and about 100 ft. high. There is some timber along the river, willow, boneder and ash with some Cedar and Pine on the bluffs. Upland generally rolling medium sandy soil. There is however some excellent clay land in places.

Between Ranges 41 and 42 W.P. 32 N

From the established corner to Townships 31 and 32 North Ranges 41 and 42 W. I run North on the range line between secs. 31 and 36 Va 15° 05' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs 30, 31, 25 and 36

Drove marke Red Cedar stake 2 x 2 x 30 in in SE pit

Surface gently rolling Clay & sandy soil

Good secondrate

Between Ranges 41 and 42 W. T. 33 N.

North between secs 25 & 30
Va 15° 05' E

4000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 19, 30, 24 & 25
Surface gently rolling
Soil, Clay loam
Good secondrate

Between Ranges 41 and 42 W. T. 33 N.

North between secs 19 & 24
Va 15° 05' E.

4000 Deposit charred stake, raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake and raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in. deep for corner to secs 18, 19, 13 and 24
Drove marked Red Cedar stake 2 x 2 x 30 in. in SE pit
Surface gently rolling
Clay soil
Good Secondrate

Between Ranges 41 and 42 W. P. 32 N.

North between secs 13 & 18
Va 15° 05' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 7, 18, 12 and 13
Drove marked Red cedar stake 2 x 2 x 30 in. in S E pit.
Surface gently rolling
Soil Second rate
Clay loam

Between Ranges 41 and 42 W. P. 32 N.

North between secs 7 and 12
Va 15° 05' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 6, 7, 1 and 12
Surface gently rolling
Clay & Sandy soil
Good Second rate

Between Ranges 41 & 42 W T. 32 N

North between secs 1 and 6
Vn 15° 05' E.

4000 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 114 secs or,

5100 Grand Island and Black Hills Road bears N W & S E

51.15 Intersect 8th Standard Parallel North 4.58 chains West of the Standard corner to secs 31 and 32 at which point I deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for Closing Corner to Tps 32 N Ranges 41 and 42 West

Drove marked Red Cedar stake 2 x 2 x 30 in. in East pit

Surface gently rolling Clay & Sandy soil

Good secondrate

October 2d 1878

Township 32 N R 41 West

General Description

This is a good township. The surface is gently rolling dark clay soil. There is but little waste land in the township. It is watered in the North East by Antelope creek which runs S.E. There are small clumps of willows on the creek in sec, 13, otherwise the township is destitute of timber. The Grand Island and Black Hills wagon road runs through the Northern part of the township

There are indications of rich fossil deposits in the Eastern part and along Antelope Creek

Between Ranges 42 & 43 W. T 29 N

From the established Standard Corner to Township 29 N Ranges 42 & 43 West on 7th Standard Parallel I mm North on the range line between secs 31 & 36
Va 15°55' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 114 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to secs. 30, 31, 25 and 36
Drove marked red cedar stake 2 × 2 × 30 in. in SE pit
High rolling prairie
Soil sandy 3rd rate

North between secs 25 & 30
Va 15°55' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for 114 sec cor.

8000 Deposit charred stake Set Willow post 3 × 3 in by 4 ft. 1 ft. deep, raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for corner to secs. 19, 30, 24 & 25
High rolling prairie
Soil Third rate

Between Ranges 42 & 43 T 29 N

North between secs. 19 & 24
Va 15° 55' E

1900 Leave hills & enter valley
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 2½ + 12 in. deep for 1/4 sec. cor.
5000 Leave valley and enter hills bear NW & SE
8000 Deposit charred stake Set Willow post 3 x 3 in 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18 + 2½ + 12 in deep for corner to secs 18, 19, 13 and 24

Valley 1st rate
Upland Thirdrate

Between Ranges 42 & 43 W T 29 N

North between secs. 18 & 13
Va 15° 55' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 2½ + 12 in deep for 1/4 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 2½ + 12 in deep.
Set Ash post in mound 3 x 3 in 4 ft. 1 ft. deep for corner to secs. 7, 18, 12 and 13

Surface rolling
Soil sandy thirdrate

Between Ranges 42 & 43 W. P. 29 N.

North between secs 7 & 12
Var 15° 55' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec c o.

8000 Deposit charred stake ~~Set~~ Ash post 3 x 3 in 4 ft. 1 ft. deep raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 6, 7 8 and 12

Land rolling hills
Soil Thirdrate

Between Ranges 42 & 43 W. P. 29 N.

North between secs 1 and 6
Var 15° 55' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec c 5.

8000 Deposit charred stake Set Red Cedar post 3 x 3 in. 4 ft. 1 ft deep raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Townships 29 & 30 North Ranges 42 & 43 West

Surface rolling
Soil Sandy Thirdrate
October 6th 1878

Between Tps 29 & 30 N Ranges 42

From the established corner to Townships 29 & 30 N Ranges 42 & 43 W. I run East on a random line between said Townships Va 15°55' E

I set temporary half mile and mile posts at every 40 and 80 chains and 6 miles and 30 links to a point 3.34 chs. South of the corner to Townships 29 & 30 N Ranges 41 & 42 West.

The correction for the true line will therefore be 30 links East and 54 links North per mile and my true course S. 89°37' West.

Between Tps 29 & 30 N Range 42 W

From the established corner to Townships 29 & 30 N. Ranges 41 and 42 West I run S 89°37' West on true line between secs 1 and 36 Va 15°45' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for 1/4 sec. cor.

8000 Deposit charred stake & raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for corner to secs 1, 2, 35 and 36

Surface hilly & rolling
Soil sandy third rate

Between Tps 29 & 30 N R 42 W

S 89° 37' West on true line
between secs 2 & 35
Va. 15° 50' E.

4000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18 x 24
x 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake and
raised mound of earth 2 1/2
ft. high from pits 18 x 24
x 12 in deep for corner
to secs. 2, 3, 34 and 35
Drove marked Willow 24
2 x 24 in. in SE pit
Rolling Sandhills
Soil Thirdrate

Between Tps. 29 & 30 N R 42 W.

S 89° 37' West on true line
between secs 3 & 34
Va 15° 55' E

4000 Deposit charred stake
raised mound of earth 2 1/2
ft. high from pits 18 x 24
x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for corner
to secs. 3, 4, 33 and 34
Drove marked Willow
stake 2 x 2 x 24 in in
South east pit
Rolling Sandhills
Soil Thirdrate

Between Tps 29 & 30 N R 42 W

S 89° 37' West on true line
between secs 4 & 33
Va 16° 00' E

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
x 2 x 4 x 12 in deep for
1/4 sec cor

7700 Leave sandhills and
enter valley bears N.

8000 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 2 x 4 x 12 in deep for
corner to secs. 4, 5, 32
and 33
Sandhills. Thirdrate
Valley firstrate

Between Tps. 29 & 30 N R 42 W.

S 89° 37' West on true line
between secs. 5 and 32
Va 16° E.

14.35 Creek 10 links wide, 18 in
deep runs North

1600 Leave valley and enter hills
bear North & South

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 x
2 x 4 x 12 in. deep for 1/4
sec cor.

8000 Deposit charred stake
raised mound of earth 2½
ft. high from pits 18 x 2 x
4 x 12 in deep for corner
to secs 5, 6, 31 and 32
Drove marked willow
stake 2 x 2 x 24 in in 8 pit
Sandhills Thirdrate
Valley firstrate
Marshy along creek

Between Tps. 29 & 30 N R 42 W

S 89° 37' West on True line
between Secs 6 & 31
Va 16° 00' E.

40.00 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 & 24 x 12 in. deep for 1/4 Sec. Cor.

80.30 The corner to Townships 29 and 30 N Ranges 42 & 43 West

Surface rolling
Soil sandy the State

T. 29 N R 42 W

General Description

This Township is mostly high rolling Sand hills covered with a good growth of grass chiefly adapted to grazing purposes
It is watered in secs 5 and 8 by a small creek with Mushy banks.
Soil in the valley is good dark sandy loam
The Township is destitute of timber

Between Ranges 42 & 43 W.P. 30 N.

From the established corner to Township 29 & 30 N Ranges 42 & 43 W I run North on the range line between secs 31 & 36
Va 16° 00' E

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 30, 31, 25 and 36.
Drove marked Red Cedar stake 2 x 2 x 30 in in SE pit.
High rolling Sand hills
Soil Thirdrate

Between Ranges 42 & 43 W.P. 30 N.

North between secs 25 and 30
Va 16° 10' E.

5.65 Creek 5 lks wide 1 ft. deep runs N.W

(6.00) Enter Valley and leave Upland bears NW & SE

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

5400 Leave Valley and enter Upland bears NW & SE

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 19, 30, 24 and 25
Drove marked Red Cedar stake 2 x 2 x 24 in. in SE pit
Valley firstrate
Upland thirdrate

Between Ranges 42 & 43 W. T. 30 N.

North between secs. 19 & 24
Va 16° 12' E

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for 114 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for corner to secs 18, 19, 13 and 24
Drove marked Red Cedar stake 2 × 2 × 24 in. in SE pit
Land, Sand hills
Soil Thirdrate

North between secs 13 & 18
Va 16° 18' E

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 114 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to secs. 7, 18, 12 & 13
Drove marked Red Cedar stake in SE pit
Land Sand hills
Soil Thirdrate

Between Ranges 42 & 43 W. T. 30 N

North between secs 7 and 12
Va 18° 24' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to secs. 6, 7, 1 and 12 Drove Marked Red Cedar stake 2 × 2 × 24 in in. SE pit Rolling Sandhills Soil Thirdrate

Between Ranges 42 & 43 W. T. 30 N

North between secs 1 and 6
Va 16° 20' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep. Set Red Cedar post in mound 3 × 3 in 4½ ft 1 ft. deep for corner to Townships 30 & 31 North Ranges 42 & 43 West Surface rolling Sandy Soil thirdrate

Between Tps 30 & 31 N Range 42 W.

From the established corner to Townships 30 & 31 N Ranges 42 & 43 W I run East on a random line between said Townships Va 16° 30' E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 76 chains and 90 links to a point 2,76 chains South of the corner to Townships 30 & 31 N Ranges 41 and 42 W The correction for the true line coll therefore be 3.10 chains West and 4.6 links North per mile and my true Course S. 89°40' W.

October 7th 1878

Between Tps 30 & 31 N R 42 W.

From the established corner to Townships 30 & 31 North Ranges 41 and 42 W. I run S 89°40' West on true line between Secs 1 and 36 Va 16° 38' E.

40.00 Deposit charred stake Set Red Cedar post 2×3 in 4 ft 1 ft. deep raised mound of earth 2½ ft high from pits 18×24×12 in. deep for 1/4 sec cor

80.00 Deposit charred stake Set Red Cedar post 3×8 in 4 ft. 1 ft deep raised mound of earth 2½ ft. high from pits 18×24×12 in. deep for corner to secs. 1. 2. 35 and 36

Surface rolling
Soil sandy Third rate

Between Tps 30 & 31 N R 42 W

S 89° 40' West on true line
between secs 2 & 35
Va 16° 33' E.

3 90 Cañon course NW.
18 40 Cañon course NW
26 20 Cañon course NW
40 00 Deposit charred Stake, Set
Red Cedar post 2 x 3 in 4 ft.
1 ft. deep raised mound of
earth 2 1/2 ft. high from pits
18 x 24 x 12 in. deep for
114 sec cor
49 90 Spring branch 5 lks wide runs North
80 00 Deposit charred stake
Set Red Cedar post 3 x 3 in 4
ft. 1 ft. deep raised mound of
earth 2 1/2 ft. high from pits
18 x 24 x 12 in deep for Corner
to secs. 2, 3, 34 and 35
Surface rolling
Soil sandy thirdrate

Between Tps 30 & 31 N R 42 W

S 89° 40' West on true line
between secs 3 & 34
Va 16° 33' E.

38 85 Cañon course NW.
40 00 Deposit charred stake Set
Red Cedar post 2 x 3 in. 4 ft. 1 ft
deep raised mound of
earth 2 1/2 ft high from
pits 18 x 24 x 12 in deep
for 114 sec cor
80 00 Deposit charred stake
Set Red Cedar post 3 x 3 in. 4 ft.
1 ft. deep raised mound of
earth 2 1/2 ft high from
pits 18 x 24 x 12 in deep
for corner to secs. 3, 4
33 and 34
Surface level tableland
Soil Sandy thirdrate

Between Tps 30 & 31 N R 42 W

S 89° 40' West on true line
between secs 4 & 33
Va 16° 33' E.

4000 Deposit charred stake
Set Red Cedar post 2×3 in 4 ft.
1 ft. deep raised mound of earth
2½ ft. high from pits 18×24
×12 in deep for 114 sec cor

5050 Cañon course North

5850 Cañon course North

8000 Deposit charred stake Set
Red Cedar post 3×3 in 4 ft.
1 ft. deep raised mound of
earth 2½ ft. high from
pits 18×24×12 in deep
for corner to secs 4, 5
32 and 33

Undulating Surface
Soil Sandy thirdrate

S 89° 40' West on true line
between secs 5 & 32
Va 16° 33' E.

4000 Deposit charred stake
Set Red Cedar post 2×3 in
4 ft. 1 ft deep raised mound
of earth 2½ ft high from
pits 18×24×12 in deep
for 114 sec cor

8000 Deposit charred stake
Set Red Cedar post 3×3 in 4 ft.
1 ft. deep raised mound of
earth 2½ ft. high from
pits 18×24×12 in. deep
for corner to secs 5, 6
31 and 32

Undulating Surface
Soil Sandy thirdrate

Between Tps. 30 & 31 N R 42 W

S 89° 40' West on true line between sees 6 & 31
Va 16° 33' E

4000 Deposit charred stake Set Red Cedar post 2 x 3 in 4 ft 1 ft deep raised mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for 114 sec cor

76.90 The corner to Township 30 & 31 North Ranges 42 & 43 West
Rolling Sandhills
Soil thirdrate
October 8th 1878.

T. 30 N R 42 W

General Description

This Township is watered in the South west part by a small Spring branch of clear cold water
The creek bottom is narrow and has small amount of good land
The general feature of the Township is rolling Sandhills adapted only to grazing
The Niobrara river runs through Tp. 31 N about half a mile North of the North boundary of this Township

Between Ranges 42 & 43 W T 31 N

From the established Corner to Townships 30 & 31 North Ranges 42 & 43 West I run North on the range line between Secs 31 & 36
Vn 16° 33' E

1800 Cañon course NW
39.50 Leave upland and enter river valley bears E & W
4000 Deposit charred stake Set Red Cedar post 2 x 3 in 4 ft. 1 ft. deep raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.
4400 Niobrara River runs NW E 4 chs wide & shallow on line
56.00 Leave valley and enter Tableland bears E & W
7980 White Earth bank
8000 Deposit charred stake, Set Red Cedar post 3 x 3 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 30, 31, 25 & 36

Surface broken & Sandy
Soil thirdrate
Bottom good secondrate
Some young Cottonwood trees along the River bottom

Between Ranges 42 & 43 W. P. 31 N.

North between secs 25 & 30
Va. 16° 33' E.

70 Wagon road bears E & W.
13.00 Marsh bears E & W
1500 Rush creek runs East
no well defined channel
1850 Leave marsh bears E & W
4000 Deposit charred stake
Set Red Cedar post 2 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2 1/2 ft. high from
pits 18 x 24 x 12 in. deep for
1/4 sec cor.
8000 Deposit charred stake
Set Red Cedar post 8 x 8 in
4 ft. 1 ft. deep raised mound
of earth 2 1/2 ft. high
from pits 18 x 24 x 12 in
deep for corner to secs
19, 30, 24 & 25
Surface broken by creek
Soil Sand third rate

Between Ranges 42 & 43 W. P. 317

North between secs. 19 & 24
Va 16° 33' E.

4000 Deposit charred stake
Set Red Cedar post 2×3 in
4 ft. 1 ft. deep raised
mound of earth 2½ ft
high from pits 18×24×
12 in. deep for 1/4 sec. cor.

8000 Deposit charred stake
Set Red Cedar stake 3×3
in 4 ft. 1 ft. deep, raised
mound of earth 2½ ft.
high from pits 18×24×
12 in deep for corner
to secs 18, 19, 13 & 24
Gently rolling surface
Soil Clay Jistrate

Between Ranges 42 & 43 W. P. 317

North between secs 13 & 18
Va 16° 33' E.

4000 Deposit charred stake
Red Cedar post 2×8 in
4 ft 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18×24×12 in deep
for 1/4 sec cor.

8000 Deposit charred stake
Set Red Cedar post 3×3
in 4 ft 1 ft. deep, raised
mound of earth 2½ ft. high
from pits 18×24×12 in
deep for corner to secs.
7, 18, 12 and 13.
Gently rolling
Clay soil Jistrate

Between Ranges 42 & 43 W. D. 31 N.

North between secs. 7 & 12
Va 16° 33' E.

4000 Deposit charred stake
Set Red Cedar post 2x3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in deep
for 1/4 sec corner

8000 Deposit charred stake
~~raised mound of earth~~
Set Red Cedar post 3x3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for corner to secs 6. 7
1 and 12
Surface gently rolling
Clayey soil fine trees

Between Ranges 42 & 43 W. D. 31 N.

North between secs 1 and 6
Va 16° 33' E.

4000 Deposit charred stake
Set Red Cedar post 2x3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in. deep
for 1/4 sec cor.

5090 Drain course East

8000 Deposit charred stake
Set Red Cedar post 3x3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for corner to Tps. 31 & 32
N. Ranges 42 & 43 West
Surface gently rolling
Soil good agricultural
covered with good
growth of grass -

Between Ranges Tps 31 & 32 N R 42 W

From the established Corner to Townships 31 & 32 N Range 42 & 43 W. I run East on random line between said Tps Va 16° E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 77 chains and 25 links to a point 2.10 chains South of the corner to Townships 31 and 32 North Ranges 41 and 42 West.

The correction for the true line will therefore be 2.79 chains West and 35 links North per mile using my true Course S. 89° 45' W.

Between Tps. 31 and 32 N R 42 W.

From the established corner to Townships 31 and 32 N. Ranges 41 and 42 West I run S 89° 45' West on true line between secs 1 and 36 Va 15° 05' E.

4000 Deposit charred stake Set Red Cedar post 2×3 in 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18×24×12 in deep for 1/4 sec cor

4700 Ravine course S E.

8000 Deposit charred stake Set Red Cedar post 3×3 in 4 ft. 1 ft deep raised mound of earth 2½ ft high from pits 18×24×12 in deep for corner to secs. 1, 2 35 and 36

E 40 chs undulating surface Soil Quistrate

W 40 chs Broken Soil Sandy thirdrate

Between Tps 31 & 32 N R 42 W.

S 89° 45' West on true line
between secs 2 & 35
Va 15° 55' E

4000 Deposit charred stake
Set Red Cedar post 2 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor.

8000 Deposit charred stake
Set Red Cedar post 8 x 3 in
4 ft. 1 ft. deep raised
mound of earth 2½ ft.
high from pits 18 x 24
x 12 in. deep for corner
to secs 2, 3, 34 and 35
Gently rolling surface
Clay soil Gneiss

S 89° 45' West on true line
between secs 3 & 34
Va 15° 05' E

4000 Deposit charred stake
Set Red Cedar post 2 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor

8000 Deposit charred stake
Set Red Cedar post 3 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for corner to secs
3, 4, 33 and 34
Land gently rolling
Soil, Clay Gneiss

Between Tps 31 and 32 N R 42 W.

S 89° 45' West on true line
between secs 4 & 33
Va 15° 09' E

4000 Deposit charred stake
Set Red Cedar post 2 x 3 in
4 ft 1 ft. deep raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor.

8000 Deposit charred stake
Set Red Cedar post 3 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for corner to secs 4, 5,
32 and 33

Surface gently rolling
Clay soil fine timber

Between Tps. 31 and 32 N R 42 W

S 89° 45' West on true line
between secs. 5 and 32
Va 15° 12' E.

4000 Deposit charred stake
Set Red Cedar post 2 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor.

4400 Drain course South

8000 Deposit charred stake
Set Red Cedar post 3 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high
from pits 18 x 24 x 12
in. deep for corner
to secs. 5, 6, 31 & 32
Surface undulating
Soil, clayey fine timber

Between Tps. 31 & 32 N R 42 W

S 89° 45' West on the line
between Secs 6 & 31
Va 15° 15' E.

600 Drain course S E
1100 Same Drain course N E
4000 Deposit Charred stake
Set Red Cedar post 2 x 3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in deep
for 1/4 Sec cor
77.21 The corner to Township
31 and 32 N Ranges 42 &
43 West
Surface Undulating
Soil Clayey 1st rate

T. 31 N R 42 W

General Description
This township is watered
by the Niobrara river which
runs N E through the
township
The Surface South of
the River is gently
rolling with Sandy
loam soil
North it is sandy along
the river. In North
part of Township the
Land is gently rolling
Dark Clayey loam
A Spring Branch runs
into the river in Sec
36 and Rush Creek
from the North west
comes to river in Sec. 31
Willow, Box elder, Elm
Ash and Cedar along
the River in Eastern
part of the Township

Between Ranges 42 and 43 W.B. 32 N.

From the established corner
to Townships 31 and 32 North
Ranges 42 & 43 W. B. run
North on the range line
between secs 31 & 36
Va 15° 15' E

4000 Deposit charred stake
Set Red Cedar post 2x3 in
4 ft. 1 ft. deep raised mound
of earth 2 1/2 ft. high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor

43.75 Drain course S.E.

8000 Deposit charred stake
Set Red Cedar post 3x3 in
4 ft. 1 ft. deep raised mound
of earth 2 1/2 ft high from
pits 18 x 24 x 12 in deep
for corner to secs 30, 31
25 and 36
Surface undulating
Soil clayey first rate

Between Ranges 42 & 43 W.B. 32 N.

North between secs 25 & 30
Va 15° 15' E.

4000 Deposit charred stake
Set Red Cedar post 2x3 in
4 ft. 1 ft. deep raised mound
of earth 2 1/2 ft. high from
pits 18 x 24 x 12 in deep
for 1/4 sec cor.

8000 Deposit charred stake
Set Red Cedar post 3x3 in 4 ft.
1 ft. deep raised mound of earth
2 1/2 ft. high from pits 18 x 24
x 12 in. deep for corner
to secs. 19, 30, 24 & 25
Rolling surface
Dark clay loam
Soil first rate

Between Ranges 42 & 43 W. T. 32 N.

North between secs 19 & 24
Va 15° 18' E.

4000 Deposit charred stake
Set Red Cedar post 2x3 in 4
ft 1 ft. deep, raised mound of
earth 2½ ft. high from
pits 18x24x12 in deep
for 1/4 sec cor.

8000 Deposit charred stake
Set Red Cedar post 3x3 in
4 ft 1 ft. deep raised mound
of earth 2½ ft. high from
pits 18x24x12 in deep
Corner to secs 18, 19, 13
and 24
Beautiful North slope
Dark clay loam
Soil Thirdrate

Between Ranges 42 & 43 W. T. 32 N.

North between secs 13 & 18
Va 15° 21' E.

4000 Deposit charred stake
Set Red Cedar post 2x3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft. high from pits
18x24x12 in deep for
1/4 sec cor.

5600 Limestone ridge bears
East and West

8000 Deposit charred stake
Set Red Cedar post 3x3 in 4
ft. 1 ft. deep raised mound
of earth 2½ ft. high
from pits 18x24x12 in
deep for corner to secs
7, 18, 12 and 13
South half gently rolling
Dark sandy clay soil 1st rate
North half broken
Soil Thirdrate

Between Ranges 42 & 43 W. T. 32 N

North between secs 7 & 12
Va 15° 21' E.

4000 Deposit charred stake
Set Red Cedar post 2×3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft high from
pits 18×24×12 in deep
for 1/4 sec cor

8000 Deposit charred stake and
~~raised mound of earth 2½~~
~~ft~~ Set Red Cedar post 3×3 in
4 ft. 1 ft. deep raised mound
of earth 2½ ft high
from pits 18×24×12
in deep for corners to
secs 6, 7, 1 and 12
Rolling surface
Clayey soil
South 40 chs. Second rate
North 40 chs first rate

Between Ranges 42 & 43 W. T. 32 N

North between secs 1 & 6
Va 15° 24' E

4000 Deposit charred stake
Set Red Cedar post 2×3 in
4 ft. 1 ft. deep raised
mound of earth 2½ ft.
high from pits 18×24×12
in deep for 1/4 sec cor.

5337 Intersect the 8th Standard
Parallel N. 1143 chs West
of Standard corner to secs
31 and 32. of T. 33 R. 42 W
at which point I
deposit charred stake, Set
Red Cedar post 3×3 in 4 ft. 1 ft
deep raised mound of earth
2½ ft high from pits 18
×24×12 in deep for
Closing corner to Townships
32 N Ranges 42 & 43 W.
Land Rolling surface
Clay land soil first rate
October 1st 1878

T. 32 N R 42 W

General Description

This township is high table land, gentle rolling surface Dark Clay soil except along North boundary where it is dark & sandy loam; and all is good Agricultural land. There are no streams or springs in the Township which is also destitute of timber

Between Ranges 43 & 42 W & 29 N

From the established corner to Townships 29 N Ranges 43 & 44 W. on 7th Standard Parallel I run North on the range line between secs. 31 & 36.
Va - 14° 45' E.

40.00	Deposit charred stake & raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
60.00	Leave hills and enter valley bears E & W.
68.00	Leave valley and enter hills bears NE & SE.
80.00	Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs. 30, 31, 35 & 36 Drove marked Ash stake 2 x 2 x 24 in. in SE pit

Valley Second rate
Upland third rate

Between Ranges 43 & 44 W. T. 29 N.

North between secs. 25 & 30
Va 14° 48' E.

1300 Leave hills & enter valley
bears N E & S E

2350 Leave valley & enter
hills bear E & W.

4000 Deposit charred stake
and raised mound of earth
2½ ft. high from pits ~~2½~~
18 × 24 × 12 in deep for 1/4
sec. cor.

8000 Deposit charred stake and
raised mound of earth
2½ ft high from pits 18 ×
24 × 12 in deep for corner
to secs. 19, 30, 24 & 25
Drove marked Ash
stake 2 × 2 × 24 in in
S E pit
Valley second rate
Upland third rate

Between Ranges 43 & 44 W. T. 29 N.

North between secs. 19 & 24
Va 14° 55' E.

4000 Deposit charred stake
and raised mound of Earth
2½ ft. high from pits 18
× 24 × 12 in. deep for 1/4
sec cor.

5400 Leave hills and enter valley
bears N W & S E.

6100 Pine creek spread out into
marsh course N W.

7100 Leave Pine creek marsh
and enter hills bears N W & S E

8000 Deposit charred stake
raised mound of earth 2½
ft. high from pits 18 × 24 × 12 in
deep for corner to secs. 18
19, 13 and 24
Surface rolling
Soil sandy third rate

Between Ranges 43 & 44 W. T. 29 N

North between Secs. 13 & 18
Va 15° 05' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Secs 7, 18, 12 and 13
Drove marked Ash stake 2 x 2 x 24 in. in S E pit
Surface passing Sandy Soil Third rate

Between Ranges 43 & 44 W. T. 29 N

North between Secs. 7 & 12
Va 15° 15' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs 6, 7, 1 and 12
Drove marked Ash stake 2 x 2 x 24 in in S E pit
Rolling Sandhills Soil Third rate

Between Ranges 43 & 44 W & 29 N

North between Secs. 1 and 6
Va 15° 21' E

40 00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for 1/4 sec cor.

60 00 Leave sandhills and enter valley bears E & W.

80 00 Deposit charred stake Set Red Cedar post 3 × 3 in 4½ ft. 1 ft. deep, raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for corner to Townships 29 & 30 N Ranges 43 & 44 West

Upland, sandy third rate
Valley clayey second rate

October 10th 1878

Between Tps 29 & 30 N R 43 W.

From the established corner to Townships 29 & 30 North Ranges 43 and 44 W. I run East on a random line between said Townships
Va 15° 21' E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 78 chs. and 1 link to a point 330 chains South of the corner to Townships 29 and 30 N Ranges 42 and 43 W.

The correction for the true line will therefore be 1.99 chains West and 55 links North per mile

S. 89° 36' West

Between Tps 29 & 30 N R 43 W

From the Established corner
to Townships 29 & 30 N Range
42 & 43 W I run
S 89° 36' West on true line
between secs 1 & 36
Va 15° 45' E.

40 00 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
+ 2 + 12 in deep for
1/4 sec cor.

80 00 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
+ 2 + 12 in deep for
corner to secs. 1, 2, 35 & 36
Rolling Sandhills
Soil third rate

Between Tps. 29 and 30 N R 43 W.

S 89° 36' West on true line
between secs. 2 & 35
Va 15° 40' E.

40 00 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18 x
2 + 12 in deep for 1/4
sec. cor.

80 00 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18
+ 2 + 12 in deep for
corner to secs. 2, 3, 34 and
35
Drove ~~charred~~ stake
of Red Cedar 2 + 3 + 24 in
in S.E. pit
High rolling hills
Soil sandy third rate

Between Tps. 29 & 30 N R 43 W.

S 89° 36' West on true line between secs 3 & 34
Va 15° 35' E.

40.00 Deposit charred stake, raised mound of earth 2 1/2 ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor

80.00 Deposit charred stake and raised mound of earth 2 1/2 ft. high from pits 18 + 24 + 12 in deep for corner to secs. 3, 4, 33 and 34
Drove marked Red Cedar stake 2 x 2 x 24 in. in SE pit
Rolling Sandhills
Soil thirdrate

Between Tps 29 and 30 N R 43 W

S 89° 36' West on true line between secs. 4 & 33
Va 15° 33' E

40.00 Deposit charred stake and raised mound of earth 2 1/2 ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor

80.00 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 + 24 + 12 in deep for corner to secs. 4, 5, 32 and 33
Drove marked Red Cedar stake 3 x 3 x 24 in. in SE pit
Land, rolling Sandhills
Soil thirdrate

Between Tps 29 & 30 N R 43 W.

S 89° 36' West on true line between secs. 5 and 32
Va 15° 30' E.

49.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor

80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 5, 6 31 and 32

Smooth rolling hills
Soil second rate

Between Tps 29 and 30 N R 43 W.

S 89° 36' West on true line between secs. 6 and 31
Va 15° 30' E.

12.25 Gulch course North

40.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

45.00 Leave sandy land and enter Clay tableland bears N & S.

78.01 The corner to Townships 29 and 30 N Ranges 43 and 44 West

East half, rolling, 2nd rate
West half, Clay tableland
Soil first rate

T. 29 N R 43 W.

General Description

This, generally is a poor Township, consisting of high rolling Sandhills with here and there a small vale or ~~b~~ valley between the hills. Pine creek runs through the southwest portion of the Township. There is a narrow marshy bottom or valley along the creek. The township is destitute of timber

Between Ranges 43 & 44 W T. 30 N

From the corner to Townships 29 & 30 N Ranges 43 and 44 W, I run North ~~between~~ on the range line between secs 31 & 36 Va 15° 35' E.

4000 Deposit charred stake and raised mound of rock 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor,

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 30, 31, 25 and 36

~~Dro~~ above marked Red Cedar stake 3 + 3 + 24 in in SE pit

Surface gently rolling

Land Clay

Soil first rate

Between Ranges 43 & 44 W. P. 30 N

North between secs. 25 & 30
Va 15° 33' E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec.

56.75 Wagon trail bears NE & SW.

76.30 Wagon road bears NE & SW.

80.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs 19, 30, 24 and 25

Drove marked Red Cedar stake 3 × 3 × 30 in in S. East pit

Surface gently rolling Soil, clay. Limestone

Between Ranges 43 & 44 W. P. 30 N

North between secs 19 & 24
Va 15° 36' E.

22.00 Canon course NW.

26.00 Leave upland and enter river bottom bears NE & SW

40.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

40.25 Niobrara river 3.30 chs wide on line runs NE 1 ft deep clear water

58.00 Leave bottom and enter upland bears E & W

80.00 Deposit charred stake set Red Cedar post 3 × 3 × 4 ft 1 ft deep raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to secs. 18, 19, 13 & 24

Surface rolling & broken Soil sandy thin drift Pine Willow Ash and Cedar along the Niobrara river

Between Ranges 43 & 44 W T. 30 N.

North between secs. 13 & 18
Var. 15° 36' E

40.00 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for 1/4 sec. cor.

80.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 7, 18, 12 and 13
Drove charred stake 3 + 3 + 30 in. in S.E. pit.
Rolling Sandhills
Soil Thirdrate

Between Ranges 42 & 43 W T. 30 N.

North between secs. 7 and 12
Var. 15° 36' E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for 1/4 sec. cor.

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to secs 6, 7, 1 and 12
Rolling Sandhills
Soil Thirdrate

Between Ranges 43 & 44 W. T. 30 N.

North between secs 1 & 6
Va 15° 39' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for C 1/4 sec cor.

8000 Deposit charred stake Set Red Cedar post 3 × 3 in 4½ ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to Townships 30 & 31 N Ranges 43 & 44 West
Surface rolling
Soil sandy third rate
October 11th 1878

Between Tps 30 & 31 N R 43 W.

From the established corner to Townships 30 & 31 North Ranges 43 & 44 W. I run East on random line between said Townships
Va 15° 45' E.
I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 78 chains and 53 links to a point 2.88 chs. South of the corner to Townships 30 and 31 N Ranges 42 & 43 West.
The correction for the true line will therefore be 1.47 chains West and 48 links North per mile
and my true Course S. 89° 39' West

Between Tps 30 & 31 N R 42 & 43 W.

From the established corner to Townships 30 & 31 N. Ranges 42 & 43 W. I run S 89° 30' West on true line between secs 1 & 36
Va 15° 27' E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor

71.00 Leave upland and enter River bottom bears NE & SW.

74.00 Niobrara river bears N 60 E

80.00 The point for corner to secs 1, 2, 35 and 36 is in River and corner cannot therefore be established at true point.

82.25 To point on left bank on line from which I run North 145 links thence East 2.25 chs.

to a point on line between secs 35 and 36 and 145 lks. North of the true point for corner to secs. 1, 2, 35 and 36 at which point I Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for Witness Corner to secs 1, 2, 35 and 36 Drove marked Red Cedar Stake 3 x 3 x 30 in. in S E pit Surface rough & broken Soil Thirdrate

Between Tps 30 & 31 N R 43 W.

S 89°39' West on true line between secs 2 & 35
Va 16° 00' E.

2,25 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 × 24 × 12 in deep for Witness Corner to secs 1, 2, 35 and 36
Drove marked Red Cedar stake 2 × 2 × 30 in SE pit

1200 Leave valley and enter Upland bears NE & SW.

38.30 Agency road bears NE & SW.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for 1/4 sec cor

7910 Rush Creek dry or line course N E.

8000 Deposit charred stake, and raised

mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to secs 2, 3, 34 and 35
~~Surface rock~~
Drove marked Red Cedar stake 2 × 2 × 30 in in SE pit
Surface rolling
Soil third rate

Between Tps 30 & 31 N R 43 W

S 89° 39' West on true line
between secs 3 & 34
Va 16° 12' E.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in deep for
1/4 sec cor.

59.30 Rush Creek, dry on line
course S E.

80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in deep for
corner to secs. 3, 4, 33
and 34
Drove marked Red
Cedar stake 2 x 2 x 24
in in S E pit
Rolling, Sandhills
Soil Thirdrate

Between Tps 30 & 31 N R 43 W

S 89° 39' West on true line
between secs 4 & 33
Va 16° 05' E.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in deep for
1/4 sec cor

80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in deep for
corner to secs. 4, 5, 32
and 33
Drove marked Red Cedar
stake 2 x 2 x 24 in in
S E. pit
Gently rolling surface
Dark sandy loam
Soil secondrate

Between Tps 30 & 31 N R 43 W

S 89° 39' West on true line
between secs 5 and 32
Va 15° 57' E

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
+ 24 × 12 in deep for
1/4 sec cor.

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for
corner to secs. 5, 6, 31
and 32
Drove marked Red Cedar
stake 2 × 2 × 24 in in
S E pit
Surface rolling
Dark sandy loam
Soil 2nd rate

Between Tps 30 & 31 N R 43 W

S 89° 39' West on true line
between secs 6 & 31
Va 15° 48' E

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for
1/4 sec cor.

78.53 The corner to Townships
30 & 31 N Ranges 43
and 44 West
Surface gently rolling
Dark clayey loam
Soil first rate

Township 30 N R 43 W.

General Description

This township is watered by the Niobrara river in the South part. There is some very good land in the South West part of the township and along the South side of the Niobrara river North of the river the surface is high and rolling with soil somewhat sandy of secondrate and thirdrate qualities Some scattering willows Cottonwood, Elm and Ash along the river and Pine & Cedar along river bluffs & high banks This is poor township for Agriculture

Between Ranges 43 & 44 W & 30 N

From the established corner to Townships 30 & 31 North Ranges 43 & 44 W. I run North on the range line between sec 31 & 36 Va 14° 35' E.

4000 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec. cor.

8000 Deposit charred stake and raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 30, 31, 25 and 36 Drove marked Red cedar stake 2 x 2 x 24 in in SE pit Surface gently rolling Soil dark clay loam Good secondrate

Between Ranges 43 & 44 W.T. 30 N.

North between secs 25 & 30
Va 14° 38' E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 114 sec cor.

57.00 Drain course NE.

69.60 Drain course NE.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to secs. 19, 30, 24 & 25
Drove marked Red Cedar stake 2 × 2 × 24 in. in SE pit
South half clay loam gently rolling, fistrate
North half broken
Soil Thirdrate

Between Ranges 43 & 44 W.T. 30 N

North between secs. 19 & 24
Va 14° 38' E.

1.50 Enter Drain bears N & SE.

18.40 Wagon road bears NW & SE

19.00 Leave drain bears NW & S.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for 114 sec cor.

44.00 Drain course West

73.00 Drain course West

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to secs 18, 19, 13 & 24
Drove marked Red Cedar stake ~~2~~ × 2 × 24 in in SE pit
Surface broken
Soil Thirdrate

Between Ranges 43 & 44 W T. 31 N

North between secs 13 & 18
Va 14° 45' E.

35.00 Drain course West

4000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 × 24 × 12 in deep for corner to secs. 7, 18, 12 and 13
Drove marked Red Cedar stake 2 × 2 × 24 in in SE pit
Surface gently rolling
Land Clay loam
Soil Fistrate

Between Ranges 43 & 44 W T. 31 N.

North between secs. 7 and 12
Va 14° 51' E.

4000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 × 24 × 12 in deep for 1/4 sec. cor.

8000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 × 24 × 12 in deep for corner to secs. 6, 7, 1 and 12
Drove marked Red Cedar stake 2 × 2 × 24 in. in S E pit
Surface rolling
Land dark clay loam
Soil Fistrate

Between Ranges 43 & 44 W. & 31 N

North between Secs 1 & 6
Va 14° 58' E.

4000 Deposit Charred stake
raised mound of earth
2 1/2 ft. high from pits 18 + 24
+ 12 in deep for 1/4 sec cor.

8000 Deposit Charred stake
raised mound of earth
2 1/2 ft. high from pits
18 + 24 + 12 in deep for
corner to Townships 31
and 32 N Ranges 43 &
44 West
Set Limestone 30 × 14 ×
5 inches at corner
point as per instructions
Surface gently rolling
Dark clay & sandy loam
Soil fertile

Between Tps 31 & 32 N. R 43 W.

From the established corner
to Townships 31 & 32 N
Ranges 43 & 44 W. I run
East on a random line
between said Townships
Va 15° E.
I set temporary half mile
and mile posts at
every 40 and 80 chains
and at 5 miles 77 chains
and 5 links to a point
342 chains South of
the corner to Townships
31 and 32 N. Ranges 42 and
43 West
The correction for
the true line will
therefore be 2.95 chains
West and 57 links
North per mile and
my true course S. 89° 36' West
October 12th 1878

Between Tps. 31 & 32 N R 43 W

From the established Corner to Townships 31 & 32 North Ranges 42 & 43 W. Run S89°36' West on true line between secs. 1 and 36
Va 15°21' E.

40.00 Deposit charred stake
Set Limestone 12+4+3 in marked as per instructions raised mound of Earth 2 1/2 ft. high from pits 18+22+12 in deep for 1/4 sec cor.

80.00 Deposit charred stake
Set Limestone 16+4+3 in marked as per instructions raised mound of earth 2 1/2 ft high from pits 18+22+12 in deep for Corner to secs. 1, 2, 35 and 36
Surface gently rolling
Soil Fine loam

Between Tps. 31 & 32 N R 43 W

S89°36' West on true line between secs 2 & 35
Va 15°18' E.

40.00 Deposit charred stake
Set Limestone 12+5+3 in marked as per instructions raised mound of Earth 2 1/2 ft. high from pits 18+22+12 in deep for 1/4 sec cor.

80.00 Deposit charred stake
Set Limestone 18+8+4 marked as per instructions raised mound of earth 2 1/2 ft high from pits 18+22+12 in deep for corner to secs 2, 3, 34 and 35
Land gently rolling
Clay soil fine loam

Between Tps 31 & 32 N R 43 W

S 89° 36' West on true line
between secs 3 & 34
Va 15° 12' E.

4000 Deposit charred stake
Set Limestone 14 x 6 x 3 in
marked as per instructions
raised mound of earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for 1/4 sec
corner

8000 Deposit charred stake
~~Set~~ Set Limestone 14 x 6 x 5
marked as per instructions
raised mound of earth
2 1/2 ft. high from pits 18 x
24 x 12 in deep for corner
to secs 3, 4, 33 and 34
Surface rolling
Clayey land
Soil fine loam

Between Tps 31 & 32 N R 43 W.

S 89° 36' West on true line
between secs 4 & 33
Va 15° 09' E.

4000 Deposit charred stake
Set Limestone 18 x 6 x 4 in
marked as per instructions
raised mound of earth 2 1/2
ft. high from pits 18 x 24 x
12 in deep for 1/4 sec cor

8000 Deposit charred stake
Set Limestone 13 x 5 x 3
marked as per instructions
raised mound of earth
2 1/2 ft high from pits 18 x 24
x 12 in deep for corner
to secs 4, 5, 32 and 33
Land gently rolling
Good Clayey land
Soil fine loam

Between Tps 31 & 32 N R 43 W

S 89°36' West on true line between secs 5 & 32
Va 15° 03' E,

4000 Deposit charred stake raised Set Limestone 16+6+5 marked as per instructions, raised mound of earth 2½ ft high from pits 18+2+4+12 in deep for 1/4 sec cor

8000 Deposit charred stake Set Limestone 16+6+4 in marked as per instructions raised mound of earth 2½ ft high from pits 18+2+4+12 in deep for corner to secs 5, 6, 31 & 32
Gently rolling
Good Clay land
Soil fine loam

Between Tps 31 and 32 N, R 43 W.

S 89°36' West on true line between secs 6 and 31
Va 15° 03' E,

4000 Deposit charred stake Set Limestone 16+4+3 in marked as per instructions raised mound of earth 2½ ft high from pits 18+2½+12 in deep for 1/4 sec cor

7705 The corner to Townships 31 and 32 N Ranges 43 and 44 West
East half level 1st rate
West half broken 3rd rate

T. 31 N R 43 W

General Description

This is a fair township
The surface is in general
gently rolling dark
clay and sandy soil
There are some sandy
hills along the South
boundary
Rush creek, with water
in holes courses
East through the
township. Near the East
boundary it becomes
a running stream
The Niobrara river runs
through section 36
There is a small amount
of timber, Willow
Boxelder and Ash
along the river

Between Ranges 43 & 44 W T. 32 N

From the established corner
to Townships 31 & 32 North
Ranges 43 & 44 W. I run
North on the range line
between secs. 31 & 36
Va 15° E.

4000 Deposit charred stake
set Limestone 10 x 4 x 4 in.
marked as per instructions
raised mound of earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for 1/4
sec cor

8000 Deposit charred stake
raised mound of earth 2 1/2
ft. high from pits 18 x 24 x 12
in deep for corner to secs
30, 31, 25 and 36
Drove marked Red Cedar
stake 2 x 2 x 24 in in S. Pit
Rolling Clay land
Soil first rate

Between Ranges 43 & 44 W. T. 32 N.

North between secs 25 & 30
Va 15° 06' E

4000 Deposit charred stake
Set Limestone 12 x 6 x 3 in
marked as per instructions
raised mound of earth
2 1/2 ft. high from pits 18 x 24 x
12 in. deep for 1/4 sec cor

8000 Deposit charred stake
~~raised mound of earth~~
~~2 1/2 ft high from pits~~
Set Limestone 20 x 6 x 6,
marked as per instructions
raised mound of earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for corner
to secs. 19, 30, 24 & 25
Surface rolling & broken
Soil clay third rate

Between Ranges 43 & 44 W. T. 32 N.

North between secs. 19 & 24
Va 15° 06' E

4000 Deposit charred stake and
~~raised mound of earth~~
Set Limestone 10 x 6 x 4 in
marked as per instructions
raised mound of earth 2 1/2
ft high from pits 18 x 24
x 12 in deep for 1/4 sec cor

8000 Deposit charred stake
raised mound of earth 2 1/2
ft high from pits 18 x 24 x
12 in deep for corner to
secs 18, 19, 13 and 24
Drove marked Red Cedar stake
2 x 2 x 24 in in S E pit
Surface rolling & broken
Soil third rate

Between Ranges 43 & 44 W. B. 32 N.

North between Secs. 13 & 18
Va 15° 12' E.

4000 Deposit charred stake
~~Set~~ Set Limestone 10+8+3
marked as per instructions
raised mound of earth
2½ ft high from pits 18+24
+12 in deep for 1/4 sec cor.
4200 Drain course West
6500 Canon course West
8000 Deposit charred stake
Set Limestone 24+16+3
marked as per instructions
raised mound of earth
2½ ft high from pits 18+24
+12 in deep for corner to
Secs. 7, 18, 12 and 13
Surface broken & hilly
Soil thirdrate

Between Ranges 43 & 44 W. B. 32 N.

North between Secs. 7 & 12
Va 15° 18' E.

4000 Deposit charred stake
Set Limestone 10+4+3 in
marked as per instructions
raised mound of earth
2½ ft high from pits
18+24+12 in. deep for
1/4 sec cor.
7100 Canon course West
8000 Deposit charred stake
Set Limestone 38+7+3 in
marked as per instructions
raised mound of earth 2½
ft high from pits 18+24+12
in deep for corner to secs
6, 7, 1 and 12
Surface broken & hilly
Soil Limestone land
Thirdrate

Between Ranges 43 & 44 W. T. 32 N

North between secs 1 and 6
Va 15° 21' E.

4000 Deposit charred stake
Set Limestone 12 x 5 x 3 in
marked as per instructions
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for 1/4
sec cor

5775 Intersect 8th Standard
Parallel N. 197 East of the
Standard corner to secs. 31 & 32
T. 33 N R. 43 W at which point
Deposit charred stake
Set Red Cedar post 3 x 3 x 4½
ft. 1 ft. deep raised mound
of earth 2½ ft high from
pits 18 x 24 x 12 in deep for
Closing Corner to Townships 32 N Ranges 43 & 44 W.
Surface Broken & hilly
Soil third rate
October 13th 1878

T. 32 N R. 43 W.

General Description

This Township is rolling and Broken along the North and West sides. The S E part is gently rolling dark Sandy and Clayey loam, good land for farming purposes The township is destitute of timber and there are no springs or streams of living water

Between Ranges 44 & 45 W. T. 29 N.

From the established Standard Corner to Townships 29 North Ranges 44 & 45 W. on the Standard Parallel I run North on the range line between secs. 31 & 36

Va 15° 09' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Corner to secs 30. 31 25 and 36

Drove marked Cottonwood stake 2 x 2 x 24 in. in SE pit

Undulating Surface Clay Soil first rate

Between Ranges 44 & 45 W. T. 29 N.

North between Secs. 25 & 30

Va 15° 09' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec. cor.

8000 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 19, 30, 24 & 25

Drove marked Willow 2 x 2 x 24 in. in SE pit

South 50 chs. rolling Sandy, Soil 3rd rate

North 30 chs. undulating Clayey soil first rate

Between Ranges 44 & 45 W.P. 29 N

North between Secs. 19 & 24
Va 15° 09' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 114 see cor

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for Corner to secs 18, 19, 13 and 24
Drove marked Willow stake 2 × 2 × 24 in in S E pit
Smooth undulating Surface
Clay Soil first rate

Between Ranges 44 & 45 W. P. 29 N

North between Secs. 13 & 18
Va 15° 09' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 114 see cor

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for Corner to secs 7, 18, 12 & 13
Drove marked Willow stake 2 × 1 × 2 ft. in S E pit
South half undulating Surface
Clay land, Soil 1st rate
North half broken Clay hills
Soil third rate

Between Ranges 44 & 45 W. & 29 N.

North between secs 7 & 12
Va 15° 09' E.

4.75 Canon course NW.
12.50 Canon course NW.
20.00 Canon course NW.
40.00 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 11 4 sec cor.
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 6, 7, 11 & 12
Drove marked willow stake 2 x 2 x 24 in. in S E pit
South 25 chs broken Soil Third rate,
North 55 chs. rolling Soil second rate

Between Ranges 44 & 45 W. & 29 N.

North between secs 1 & 6
Va 15° 09' E.

16.75 Wagon road bears NE & SW.
40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1 4 sec cor.
70.35 Wagon road bears NE & SW.
80.00 Deposit charred stake Set Red Cedar post 3 x 3 in 4½ ft 18 in deep raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to Townships 29 & 30 N Ranges 44 & 45 West
Undulatory Surface
Soil good second rate

Between Tps 29 & 30 N R 44 W.

From the established corner to Townships 29 & 30 North Ranges 44 & 45 W. I run East on random line between said Townships Va 15° 12' E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 6 miles and 59 links to a point 3.24 chains South of corner to Townships 29 & 30 North Ranges 43 & 44 West The correction for the true line will therefore be 59 links East and 54 links North per mile and my true course S. 89° 37' West.

Between Tps 29 & 30 N R 44 W

From the established corner to Townships 29 & 30 N Ranges 43 & 44 West I run S 89° 37' West on true line between secs. 1 and 36 Va 15° 18' E.

40.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs. 1, 2, 35 and 36 Drove marked Red Cedar stake 2 x 2 x 24 in. in. Pit Undulating surface Dark Clay soil 1st rate

Between Tps 29 & 30 N R 44 W.

S 89° 37' West on true line between secs 20 & 35
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 2, 3, 34 and 35
Drove marked Cottonwood stake 2 + 2 + 24 in in S E pit
Undulating surface
Clay, soil first rate

Between Tps 29 & 30 N R 44 W

S 89° 37' West on true line between secs. 3 & 34
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

45.30 Gulch course S E.

50.40 Pino creek 15 lks wide 1 ft deep runs North

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs 3, 4, 33 and 34
Drove marked Cottonwood post 2 + 2 + 24 in in S E pit
Surface rolling & broken
Soil Third rate

Between Tps 29 & 30 N R 44 W

S 89° 37' West on true line between secs 4 & 33
Va 15° 18' E.

26.10 Chain course North
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 1/4 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 1/4 corner to secs. 4, 5, 32 and 33
Drove marked Cottonwood stake 2 × 2 × 24 in. in SE pit
Surface rolling
Soil sandy thirdrate

Between Tps 29 & 30 N R 44 W

S 89° 37' West on true line between secs 5 and 32
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for 1/4 sec cor
74.35 Wagon road bears N & S
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to secs. 5, 6, 31 and 32
Drove marked Cottonwood stake 2 × 2 × 24 in in SE pit
Surface gently rolling
Soil sandy thirdrate

Between Tps 29 & 30 N R 44 W

S 89° 37' West on true line
between secs 6 & 31
Va 15° 18' E.

23.80 Drain course North
26.40 Same drain course SW
29.20 Same drain course N E.
40.00 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
x 24 x 12 in deep for 1/4
sec cor
80.59 The corner to Townships
29 & 30 North Ranges
44 and 45 West
Surface gently rolling
Soil sandy thirdrate

T. 29 N R 44 W.

General Description
This Township is
watered by Pine
creek in the N E.
part which becomes
a stream with well
defined channel and
firm banks as it
enters this Township
The surface is high
and rolling in the
Eastern part and
Sandy Soil
In the Western part
the surface is gently
rolling with dark
Clay and sandy Soil
and fair land
for farming
purposes
There is no timber
except a little along
Pine Creek

Between Ranges 44 & 45 W. T. 30 N

From the established Corner to Townships 29 & 30 North Ranges 44 & 45 W. I. run North on the range line between secs 31 & 36
Va 15° 09' E.

32.00 Leave upland and enter river bottom bears N E & S W

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 114 sec cor.

4050 Niobrara river 3 chains wide on line runs East

45.00 Leave valley and enter hills bears N E & S W.

64.50 Canon course S E

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Corner to secs. 30, 31, 25 and 36
Drove marked Red Cedar stake 2 x 2 x 24 in. in S E pit
Rolling broken, third rate

Between Ranges 44 & 45 W. T. 30 N

North between secs. 25 & 30
Va 15° 09' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 114 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to secs. 19, 30 24 and 25
Drove marked Red Cedar stake 2 x 2 x 24 in. in S E pit
Land rolling Sandhills
Soil Third rate

Between Ranges 44 & 45 W. R. 30 N.

North between secs. 19 & 24
Va 15° 09' E.

4000 Deposit charred stake and raised mound of Earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 18, 19 13 and 24
Drove marked Red Cedar stake 2 x 2 x 24 in in SE pit
Land rolling Sandhills
Soil thin drift

Between Ranges 44 & 45 W. R. 30 N

North between secs. 13 & 18
Va 15° 15' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

8000 Deposited charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 7, 18, 12 and 13
Drove marked Red Cedar stake 2 x 2 x 24 in in SE pit
Land Rolling Sandhills
Soil Thin drift

October 15th 1878.

Between Ranges 44 and 45 W. 30 N

North between secs 7 & 12
Va 15° 18' E.

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 + 24 × 12 in deep for
1/4 sec cor

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for
corner to secs 6, 7, 1 & 12
Drove marked Red Cedar
stake 2 × 2 × 24 in in SE pit

Land Rolling Sandhills
Soil Third rate

Between Ranges 44 & 45 W. 30 N

North between secs 1 & 6
Va 15° 18' E.

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 24 × 12 in deep for
1/4 sec cor

8000 Deposit charred stake
Set Red Cedar post 3 × 3
in. 4½ ft. 1 ft. deep raised
mound of earth 2½
ft high from pits 18
+ 24 + 12 in deep
for corner to Townships
30, 31 N Ranges 44 & 45 W.
Land rolling Sandhills
Soil Third rate

Between Tps 30 & 31 N R 44 W

From the established corner to Townships 30 & 31 N Ranges 44 & 45 W I run East on a random line between said Townships Va 15°15' E.

I set temporary half mile and mile posts at every 40 and 80 ch. and at 6 miles 1 chain and 84 links to a point 3.06 chains South of the corner to Townships 30 & 31 N Ranges 43 & 44 West.

The correction for the true line will therefore be 1.84 ch. East and 51 links North per mile and my true course S 89° 38' West

From the established corner to Townships 30 & 31 North Ranges 43 & 44 W. I run S 89° 38' West on the line between sees 6 & 36 Va 14° 55' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor

5500 Leave Sandhills and enter Undulating tableland bears N & S

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 1, 2, 35 and 36

Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit

Sandhills third rate

Tableland Second rate

Between Tps 30 & 31 N R 44 W

S89°38' West on true line between secs 2 & 35
Va 14°57' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 2, 3, 34 and 35
Drove marked Red Cedar Stake 2 × 2 × 24 in in S E pit
Surface gently rolling
Soil dark sandy loam second rate

Between Tps 30 & 31 N R 44 W

S89°38' West on true line between secs 3 & 34
Va 15°03' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 3, 4, 33 and 34
Drove marked Red Cedar Stake 2 × 2 × 24 in. in S E pit
Gently rolling surface
Dark sandy loam soil, good second rate

Between Tps 30 & 31 N R 44 W

S 89° 38' West on true line between secs 4 & 33
Va 15° 09' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 2 + 4 × 12 in deep for 1/4 sec cor

8000 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 + 2 + 4 × 12 in deep for Corner to secs 4, 5, 32 and 33
Drove marked Red Cedar stake 2 + 2 × 24 in in SE pit
Surface gently rolling Dark sandy loam Soil first rate

Between Tps 30 & 31 N R 44 W

S 89° 38' West on true line between secs 5 & 32
Va 15° 12' E.

1000 Leave clay land and enter sandhills bear NW & SE

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 2 + 4 × 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 + 2 + 4 × 12 in deep for Corner to secs 5, 6, 31 and 32
Drove marked Red Cedar stake 2 × 2 × 24 in in SE pit
Clay land first rate
Sandhills third rate

Between Tps 30 & 31 N R 44 W

S 89° 38' West on true line between secs 6 & 31
Va 15° 15' E.

4 4000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8 8184 The corner to Townships 30 & 31 N Ranges 44 and 45 West

Land Sandhills

Soil, Third rate

T. 30 N R 44 W

General Description

This is not a very good township. The Niobrara river runs through the Southern part. The bluffs are high and abrupt inclosing a very narrow valley. The surface is generally rolling and sandy. There are however some small tracts of excellent clay land and small valleys of rich dark sandy loam. Pine creek runs through ~~North~~ South east part. Here it is a beautiful stream of clear cold water, and from 15 to 25 lks. wide. Some willow, Boxelder & ash of poor quality scattered along the river.

Between Ranges 44 & 45 W. & 31 N.

From the established Corner to Townships 30 & 31 N Ranges 44 & 45 W. Drew North on the range line between Secs. 31 & 36 Va 15° 15' E,

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for 1/4 sec cor,

5000 Leave Sand hills and enter Clay table land bears E & W

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for Corner to secs 30, 31, 25 and 36

Drove marked Red cedar stake 2 x 2 x 24 in in S E pit

Sand hills Thin drift

Clay table land first rate

Between Ranges 44 & 45 W. & 31 N.

North between Secs 25 & 30 Va 15° 15' E,

4000 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for Corner to secs. 19, 30, 24 and 25

Drove marked Red Cedar stake 2 x 2 x 30 in in S E pit

Surface Undulating

Dark Clayey loam

Soil first rate

Between Ranges 44 & 45 W. P. 31 N.

North between Secs. 19 & 24
Va 15° 18' E.

2400 Drain course SE.
2900 Same drain course SE
3500 Same drain course SE.
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to Secs 18, 19 13 and 24
Drove marked Red Cedar stake 2 x 2 x 24 in in SE pit
Surface gently rolling
Dark Clay loam
Soil fine trate

Between Ranges 44 & 45 W. P. 31 N.

North between Secs. 13 & 18
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to Secs. 7, 18 12 and 13
Drove marked Red Cedar stake 2 x 2 x 24 in. in SE pit
Gently rolling surface
Clay land
Soil fine trate

Between Ranges 44 & 45 W. T. 31 N

North between secs 7 & 12
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 114 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 6, 7 1 and 12

Drove marked Red Cedar Stake 2 x 2 x 24 in. in S E pit

Surface gently rolling

Dark clay loam

Soil first rate

Between Ranges 44 & 45 W. T. 31 N

North between secs 1 and 6
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 114 sec cor

7800 Ravine course N E

8000 Deposit charred stake Set Red Cedar post 3 x 4 in 4 ft. 1 ft. deep raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to Townships 31 & 32 N Ranges 44 & 45 W

Surface gently rolling

Dark clay land

Soil first rate

October 16th 1878

Between Tps 31 & 32 N R 44 W

From the established corner to Townships 31 and 32 N Ranges 44 and 45 W. I run East on random line between said Townships
Va 15° 18' E
I set temporary half mile and mile posts at every 40 and 80 chains and at 6 miles 1 chain and 45 links to a point 3,45 chains South of the corner to Townships 31 & 32 N Ranges 43 & 44 W
The correction for the true line will therefore be 1 chain and 45 links East and 5 7/2 links North per mile
by my true course S. 89°35' West

Between Tps 31 & 32 N R 44 W

From the established corner to Townships 31 & 32 N Ranges 43 and 44 West I run S 89°35' West on true line between Secs 1 & 36
Va 15°09' E.

4000 Deposit charred stake
Set limestone marked as per instructions 10 x 7 x 3 and raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake
Set limestone 13 x 8 x 3 marked as per instructions and raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to Secs 1, 12, 35 & 36
Surface gently rolling
Soil second rate

Between Tps 31 & 32 N R 44 W

S 89°35' West on true line
between secs. 2 & 35
Va 15°09' E

40.00 Deposit charred stake
Set Limestone 12 x 5 x 3
marked as per instruction
raised mound of earth
2 1/2 ft high from pits 18
x 24 x 12 in deep for
1/4 Sec cor

41.90 Ravine course SW

80.00 Deposit charred stake
Set Limestone 12 x 8 x 3 in
marked as per instructions
raised mound of Earth
2 1/2 ft high from pits
18 x 24 x 12 in deep for
corner to secs 2, 3, 34
and 35
Surface gently sloping
Clay land good
Second rate

Between Tps 31 & 32 N R 44 W

S 89°35' West on true line
between Secs 3 & 34
Va 15°06' E.

40.00 Deposit charred stake
Set Limestone 12 x 6 x 3
raised mound of Earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for 1/4
Sec cor

42.00 Drain course SW

80.00 Deposit charred stake
Set Limestone 12 x 7 x 3.
marked as per instructions
raised mound of Earth
2 1/2 ft high from pits
18 x 24 x 12 in deep for
Corner to Secs 3, 4, 33
and 34
Surface sloping & broken
Soil Third rate

Between Tps. 31 & 32 N R 44 W

S 89° 35' West on true line
between secs. 4 & 33
Va 15° 03' E.

7.20 Dry Branch course SE
4000 Deposit charred stake
~~raised~~ Set Limestone
marked as per instructions
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in deep for
1/4 sec cor.
49.40 Wagon road bears N & S.
8000 Deposit charred stake
Set Limestone 13 + 6 + 3 in
marked as per instructions
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for
corner to secs 4, 5, 32
and 33
Surface rolling
East 40 chs third rate
West half first rate

Between Tps. 31 & 32 N R 44 W.

S 89° 35' West on true line
between secs 5 and 32
Va 15° 03' E.

30.80 Drain course SE.
4000 Deposit charred stake
Set Limestone 10 + 4 + 3
marked as per instructions
raised mound of Earth
2½ ft high from pits
18 + 24 + 12 in deep for
1/4 sec cor
8000 Deposit charred stake,
~~raised mound of earth~~
Set Limestone 16 + 6 + 3
in. marked as per instruction
raised mound of Earth
2½ ft high from pits 18
+ 24 + 12 in deep for
corner to secs. 5, 6, 31 & 32
Surface rolling
Land clay soil
Second rate

Between Tps 31 & 32 N R. 44 W.

S 89° 35' West on true line
between secs. 6 & 31
Var 15° 03' E.

40.00 Deposit charred stake
Set Limestone 12 x 5 x 3 in
marked as per instructions
raised mound of Earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for 1/4
sec cor

60.00 Ravine course North
74.50 same ravine course SE,
79.00 Same ravine course N
80.40 Drain course SE
81.45 The Corner to Townships
31 and 32 N Ranges 44 &
45 West
Surface undulating
& broken by ravines
Soil secondary
producing heavy
growth of tall grass

T. 31 N R 44 W

General Description

This is a good township
The surface is gently
rolling dark clay
Soil. A creek with
water in holes runs
Southeast through the
township. Its tributaries
embrace nearly all
the land in the township
which is a broad
undulating plain
The soil is of excellent
quality, deep, dark and
rich. There is some
excellent hay land
along the creek
The township is
destitute of timber

Between Ranges 44 & 45 W. S. 32 N.

From the established corner to Townships 31 & 32 N Ranges 44 & 45 W I run North on the range line between secs 31 & 36 Va 15° 15' E,

100 Drain course S E,

1600 Ravine course East

4000 Deposit charred stake, raised mound of earth 2 1/2 ft high from pits 18 + 2 + 4 + 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 + 2 + 4 + 12 in deep for corner to secs. 30, 31, 25 & 36 Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit

Rolling Clay land

Soil second rate

Between Ranges 44 & 45 W. S. 32 N

North between secs 25 & 30 Va 15° 15' E,

4000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 + 2 + 4 + 12 in deep for 1/4 sec cor.

65,185 Wagon trail bears NW & SE.

8000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 + 2 + 4 + 12 in deep for corner to secs. 19, 30, 24 & 25 Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit

Surface gently rolling

Dark rich land

Soil first rate

Between Ranges 44 & 45 W. T. 32 N

North between secs. 19 & 24
Va 15° 15' E.

4000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

53.10 Wagon trail bears NW & SE

8000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to secs. 18, 19, 13 & 24
Drove marked Red Cedar stake 2 x 2 x 24 in. in SE pit
Surface gently rolling
Dark rich soil 1st rate

Between Ranges 44 & 45 W. T. 32 N

North between secs 13 & 18
Va 15° 15' E.

33.80 Drain course East

4000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for corner to secs 7, 18, 12 and 13
Drove marked Red Cedar stake 2 x 2 x 24 in in SE pit
Surface rolling, broken
Soil second rate

Between Ranges 44 & 45 W T. 32 N

North between Secs 7 & 12
Va 15° 18' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

8000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to Secs. 6, 7 and 12

Drove marked Red Cedar stake 2 x 2 x 24 in in SE pit

Surface gently rolling

Soil Second rate

Between Ranges 44 & 45 W T. 32 N

North between Secs. 1 & 6
Va 15° 21' E

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

62.93 Intersect the 8th Standard Parallel 2.27 chs. East of the Standard Corner to Secs 31 and 32 T 33 N R 44 W

Deposit charred stake ~~Set a Red~~ Cedar post 3 x 4 in 4½ ft, 18 in deep raised mound of Earth 2½ ft high from pits 18 + 24 + 12 in deep for closing corner to Townships 32 N Ranges 44 & 45 West

Surface gently rolling

Dark loamy Soil 1st rate

October 17th 1878

T. 32 N R 44 W.

General Description

This is a good township with gently rolling surface and dark clay loam with clay subsoil and is excellently adapted to farming purposes. The drains are quite shallow with smooth sloping sides. There is a good heavy growth of buffalo grass and in many places there is tall heavy grass suitable for hay. There is no living water but it can be easily obtained at 4 to 10 ft depth. The Township is destitute of timber

Between Ranges 45 & 46 W. T. 29 N

From the established Standard corner to Tps. 29 N Ranges 45 & 46 W. on 7th Standard Parallel I run North on range line between Secs 31 & 36

Va. 15° 30' E.

4000	Deposit chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
5490	Creek 15 lks wide 2 ft. deep runs East
8000	Deposit chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for corner to secs 30, 31, 25 and 36

Drove marked willow stake 2 + 2 + 24 in in SE pit

Surface rolling & broken

Soil Secondrate

Between Ranges 45 & 46 W 5, 29 N

North between Secs. 25 & 30
Va 15° 30' E.

4000 Deposit Charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

8000 Deposit Charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to Secs 19, 30, 24 and 25
Drove marked Willow stake 2 x 2 x 24 in. in S E pit
Undulating Surface
Clay land
Soil second rate

Between Ranges 45 and 46 W 5 29 N

North between Secs. 19 & 24
Va 15° 39' E

50 Leave upland and enter river bottom bears E & W,
20,75 Neobrara river 8 chs wide 3 inches deep runs East
32,00 Leave bottom and enter Upland bears E & W
40,00 Deposit Charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in Deep for 1/4 sec cor.
69,00 Wagon road bears E & W
80,00 Deposit Charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for Corner to Secs. 18, 19, 30 & 24
Drove marked Willow stake 2 x 2 x 24 in. in S E pit
River bottom Black loam tall grass, first rate
Upland undulating Clay land soil first rate

Between Ranges 45 and 46 W. D. 29 N.

North between secs 13 & 18
Va 15° 45' E.

4000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to secs 7, 18 & 12 and 13
Drove marked Willow stake 2 x 2 x 24 in in S E pit
Level surface
Clay land
Soil fistrate

Between Ranges 45 & 46 W. D. 29 N.

North between Secs 7 & 12
Va 15° 55' E.

4000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for corner to secs 6, 7, 1 and 12
Drove marked Willow stake 2 x 2 x 24 in S E pit
Undulating surface
Clay land
Soil fistrate

Between Ranges 45 & 46 W. T. 29 N

North between Secs 1 & 6
Va 16° 03' E.

40 00 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in. deep for 1/4
sec cor

80 00 Deposit charred stake
set below post 3 x 3 in
4½ ft, 1 ft deep raised
mound of earth 2½ ft
high from pits 18 x 24 x
12 in deep for corner
to Townships 29 & 30 N.
Ranges 45 & 46 West
Gently rolling clay land
Soil fine loam

Between Tps 29 & 30 N
~~Ranges~~ 45 & 46 W R 45 W.

From the established corner
to Townships 29 & 30 N Ranges
45 and 46 W. I run
East on a random line
between said Townships
Va 16° 03' E.
I set temporary half mile
and mile posts at every
40 and 80 chains and
at 6 miles and 70 links
to a point 9.12 chains
South of the corner to
Townships 29 & 30 N
Ranges 44 & 45 W.
The correction for
the true line will
therefore be 70 links
East and 52 links
North per mile or
my true course S. 89° 38' East

Between Tps 29 & 30 N R 45 W.

From the established corner to Townships 29 & 30 N Ranges 44 & 45 West I run S 89° 38' West on true line between secs 1 and 36 Va 15° 15' E.

11,00 Canon course North
15,75 Road bears NE & SE
34,50 Leave Upland and enter River bottom bears NE & SE
39,45 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for Witness 1/4 sec cor. on Right bank of River
40,00 The point for 1/4 sec cor is in Niobrara river and the corner cannot therefore be established
48,90 Left bank of Niobrara river 4,50 chs wide and 6 in deep on line
48,00 Leave bottom and enter Upland bears NE & SW

Between Tps. 29 & 30 N R 45 W.

79,65 Canon course North
80,00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 1, 2, 35 & 36 Drove ~~Th~~ marked Cottonwood stake 2 + 2 + 24 in. in SE pit
Surface broken
Soil third rate

Between Tps. 29 & 30 N R 45 W.

S 89° 38' West on true line
between secs 2 & 35
Va 15° 27' E

1100 Ravine course N E
4000 Deposit Charred stake
raised mound of earth
2½ ft. high from pits 18 +
2 + 12 in deep for 1/4 sec Cor
6100 Ravine course North
8000 Deposited charred stake
raised mound of earth
2½ ft high from pits 18
+ 2 + 12 in deep for Corner
to secs. 2, 3, 34 and 35
Drove marked Cottonwood
stake 2 × 2 × 24 in in SE pit
Surface broken & hilly
Soil third rate

Between Tps. 29 & 30 N R 45 W.

S 89° 38' West on true line
between secs 3 & 34
Va 15° 36' E

2000 Ravine course N E.
4000 Deposit Charred stake
raised mound of earth 2½
ft high from pits 18 + 2 +
+ 12 in deep for 1/4 sec Cor
5050 Ravine course SE
8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 +
2 + 12 in. deep for Corner
to secs 3, 4, 33 & 34
Drove marked Cottonwood
stake 2 × 2 × 24 in. in SE pit
Surface broken
Soil third rate

Between Tps 29 & 30 N R 45 W.

S 89° 38' West on true line
between secs 4 & 33
Va 13° 45' E,

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 & 24
& 12 in deep for 1/4 sec cor
6250 Ravine course N E
7550 Same ravine course S E
7975 Same Ravine course North
8000 Deposit charred stake
raised mound of Earth
2½ ft high from pits 18 & 24
& 12 in deep for corner
to secs 4, 5, 32 and 33
Drove marked Cottonwood
stake 2 & 2 & 2½ in, in S E pit
Surface broken
Soil Third rate

Between Tps 29 & 30 N R 45 W.

S 89° 38' West on true line
between secs 5 and 32
Va 16° 00' E

2215 Ravine (Same) course S E.
3220 Same Ravine course N E
3510 Same Ravine course S E
4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 & 24
& 12 in. deep for 1/4 sec cor
5285 Same Ravine course N E
5635 Same Ravine course S E
6350 Same Ravine course N E
7150 Same Ravine course S E
8000 Deposit charred stake, raised
mound of earth 2½ ft. high from pits
18 & 24 & 12 in deep for corner to secs
5, 6, 31 and 32, Drove marked Cotton
wood stake 2 x 2 x 2½ in in S E. pit
Shallow ravine runs
along the line Surface
gently rolling
Soil, clayey, good
Second rate

Between Tps 29 & 30 N R 45 W.

S 89° 38' West on true line
between secs 6 & 31
Va 16° 03' E,

120 (Same) Ravine course NE,
22.50 Same Ravine course SE.
40.00 Deposit chained stake, raised
mound of earth 2½ ft
high from pits 18 + 24 + 12
in deep for 1/4 sec cor
45.70 Same Ravine course NE,
49.50 Same Ravine course SE,
55.60 Same Ravine course N~~E~~
66.50 Same Ravine course South
80.70 The corner to townships
29 & 30 North Ranges
45 and 46 West
Shallow Ravine runs
along the line
Surface nearly level
Soil good Second rate

T. 29 N R 45 W.

General Description

This township is watered by the Niobrara River which runs Eastward through the township and a creek in the Southwest corner. The surface in general is gently rolling. The bluffs on the South side of the river from the mouth of the creek to the Township line is broken by numerous Ravines and short deep gulches. Above and on the North side the tableland slopes gradually to the river. Generally the river valley is narrow but in places there are tracts of good hay land. The land South is gently good dark soil first and second rates There is some Pine in gulches on South side at Big bend of River. Willow along River

Between Ranges 45 and 46 W.P. 30 N.

From the established corner to Townships 29 & 30 North Ranges 45 and 46 W. I run North on the range line between secs. 31 & 36
Va 16° 12' E.

11,00 Same Drain course SE,
40,00 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor,
80,00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 30, 31, 25 & 36
Drove marked Red Cedar stake 2 x 2 x 24 in. in SE pit
Undulating Clay land
Soil First rate

Between Ranges 45 & 46 W.P. 30 N.

North between secs. 25 & 30
Va 16° 12' E,
40,00 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor,
48,00 Drain course East
80,00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 19, 30, 24 & 25
Drove marked Red cedar stake 2 x 2 x 24 in. in SE pit
Land, South half, level
North half, Undulating
Clayey loam first rate

Between Ranges 45 & 46 W. T. 30 N

North between secs 19 & 24
Va 16° 06' E,

80 Drain course SE,

40,00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 4 & 12 in deep for 1/4 sec cor.

6900 Drain course SE,

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 4 & 12 in deep for corner to secs, 18, 19, 13 and 24 Drove marked Red Cedar stake 2×2×24 in in SE pit Rolling clay land Soil good Second rate

October 29th 1878

Between Ranges 45 & 46 W. T. 30 N

North between Secs 13 & 18
Va 16° 06' E,

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 4 & 12 in deep for 1/4 sec cor

6000 Drain course SE,

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 & 12 in. deep for Corner to secs. 7, 18, 12 and 13 Drove marked Red Cedar stake 2×2×24 in. in SE pit Rolling Clay land Soil Second rate

Between Ranges 45 & 46 W. & 30 N.

North between secs 7 & 12
Va 16° 00' E.

12,50 Drain course East
40 00 Deposit Charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec Cor.
60 00 Drain course East
80 00 Deposit Charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for Corner to secs 6, 7, 1 and 12 Drove marked Red Cedar stake 2 + 2 + 24 in, in S E pit Undulating Clay land Soil second rate

Between Ranges 45 & 46 W. & 30 N.

North between secs 1 & 6
Va 16° 00' E

11,00 Drain course S E,
20,50 Drain course S E,
40 00 Deposit Charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor
80 00 Deposit Charred stake Set Cottonwood post 3 x 3 in 4½ ft, 1 ft. deep raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for Corner to Town ships 30, 31 N Ranges 45 and 46 West Surface gently rolling Soil Third rate

Between Tps. 30 & 31 N R 45 W

From the established corner to Townships 30 & 31 N Ranges 45 & 46 W. I run East on random line between said Townships Va 16° 00' E,

I set temporary half mile and mile posts at every 40 and 80 chs and at 5 miles 78 chains and 7 links to a point 2,70 chs. South of the corner to Townships 30 and 31 N Ranges 44 and 45 West

The correction for the true line will therefore be 1.97 chains West and 45 links North per mile

as my true course S. 89° 41' West

Between Tps 30 & 31 N R 45 W.

From the established corner to Townships 30 & 31 N Ranges 44 and 45 West I run S 89° 41 West on true line between secs 1 and 36 Va 15° 15' E,

40.00 Deposit charred stake raised mound of Earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor

75.00 Leave sandy and enter Clay land bears N & S

80.00 Deposit charred stake and raised mound of earth 2 1/2 ft. high from pits 18 + 24 + 12 in deep for corner to secs 1, 2, 35 & 36

Between Tps. 30 & 31 N R 45 W.

S 89° 41' West on true line between secs 2 & 35
Va 15° 21' E,

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 × 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 × 12 in deep for corner to secs. 2, 3, 34 and 35
Drove marked Red Cedar stake 2 X 2 X 24 in in SE pit
Surface gently rolling
Soil secondrate

Between Tps 30 & 31 N R 45 West

S 89° 41' West on true line between secs 3 & 34
Va. 15° 32' E

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 × 12 in deep for 1/4 sec cor.

8000 Deposit charred stake, raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to secs 3, 4, 33 and 34
Drove marked Red Cedar stake 2 × 2 × 24 in. in SE pit
Rolling Clay land
Soil secondrate

Between Tps 30 & 31 N R 45 W

S 89° 41' West on true line
between secs 4 & 33
Va 15° 45' E.

4000 Deposit charred stake
raised mound of earth 2½
ft high from pits 18 x 24 x
12 in deep for 1/4 sec cor

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for corner
to secs. 4, 5, 33 and 32
Drove marked Cottonwood
stake 2 x 2 x 24 in. in S Pit
Land Rolling Surface
Soil, good secondrate

Between Tps. 30 & 31 N R 45 W.

S 89° 41' West on true line
between secs 5 & 32
Va 15° 55' E.

4000 Deposit charred stake
and raised mound of earth
2½ ft. high from pits 18 x 24 x 12
in deep for 1/4 sec cor

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
x 24 x 12 in deep for
corner to secs. 5, 6, 31
and 32 Drove marked
Red Cedar post 2 x 2 x 24
in. in S Pit
East 60 chs undulating
Clay, soil firstrate
West 20 chs. Therdrate

Between Tps 30 & 31 R 45 W.

S 89° 41' West on true line between secs 6 & 31
Va. 16° 00' E.

4000 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in. deep for 114 sec cor.

78.07 The Corner to Townships 30 and 31 N Ranges 45 and 46 West
Surface gently rolling
Soil Secondrate

T. 30 N R 45 W

General Description

This is a good township Surface gently rolling table land. Soil is dark clay loam, all firstrate and good secondrate except about half a section in the SE corner, which is sandy thirdrate. A dry branch of Rush creek comes from the West to the East through the township. The soil along the dry branch is fine black loam. There is no living water or timber in the Township

Between Ranges 45 and 46 W. P. 31 N

From the established corner to Townships 30 and 31 North Ranges 45 & 46 West I run North on the range line between secs 31 & 36

Va 16° 00' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for 1/4 sec Cor.

62.50 Drain course East

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 30, 31, 25 and 36

Drove marked Cottonwood stake 2 × 2 × 24 in. in S.E. pit

Surface gently rolling

Soil second rate

Between Ranges 45 & 46 W. P. 31 N

North between secs 25 & 30

Va 16° E.

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

61.60 Drain course East

8000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 19, 30, 24 & 25

Drove marked Cottonwood stake 2 × 2 × 24 in. in S.E. pit

Surface undulating

Soil Clay 2nd rate

Between Ranges 45 & 46 W. T. 31 N.

North between Secs. 19 & 24
Va. 16° E.

2.00 Ravine course West
40.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 18, 19 13 and 24
Drove marked Cottonwood stake 2 + 2 + 24 in. in S E pit.
South 30 chs poet Alkali flat. thirdrate
North 50 chs. rolling Soil secondrate

Between Ranges 45 and 46 W. T. 31 N.

North between Secs. 13 & 18
Va. 16° E.

40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs 7, 18, 12 and 13
Drove marked Cottonwood stake in S E pit. 2 + 2 + 24 inches long.
Rolling Clay land Soil secondrate

Between Ranges 45 & 46 W. T. 31 N

North between secs 7 & 12
Va 16° E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 114 sec cor,

75.40 Drain course S E,

79.30 Same Drain course S W,

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 6, 7, 1 & 12 Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit Rolling Clay land Soil Secondrate

Between Ranges 45 & 46 W. T. 31 N

North between Secs. 1 & 6
Va 16° E,

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 114 sec cor,

46.30 Same Drain course East

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Also Set Red Cedar post in mound 3 x 3 in, 4½ ft 1 ft. deep for corner to Townships. 31 & 32 North Ranges 45 & 46 West South 60 chs level dark loam soil first rate North 20 chs rolling Clay land, soil Secondrate

October 20th 1878

Between Tps. 31 & 32 N R 45 W.

From the established corner to Township 31 & 32 North Ranges 45 and 46 West, I run East on a random line between said Townships
Va 16° E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 78 chains and 24 links to a point 3.00 chains South of the corner to Townships 31 & 32 North Ranges 44 & 45 West
The correction for the true line will therefore be 1.76 chs. West and 50 links North per mile
from my true Course S. 89° 39' West

Between Tps. 31 & 32 N. R 45 W.

From the established corner to Townships 31 & 32 North Ranges 44 & 45 W. I run S 89° 39' West on true line between secs. 1 & 36
Va 15° 12' E.

40.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.
62.60 Ravine course S.E.
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 1, 2, 35 & 36
Drove marked Red Cedar stake 2 x 2 x 2 ft. in S E pit.
Surface gently rolling
Clayey soil good
second rate

Between Tps. 31 & 32 N R 45 W.

S 89° 39' West on true line between secs. 2 & 35
Va 15° 21' E.

5.00 Same Ravine course N E
10.20 Same ravine course S E.
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 1/4 sec cor
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to secs. 2, 3, 34 and 35. Drove marked Red Cedar stake 2 × 2 × 24 in. in S E pit surface gently rolling Soil, clay. Second rate

Between Tps. 31 & 32 N R 45 W

S 89° 39' West on true line between secs. 3 & 34
Va 15° 27' E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 1/4 sec cor
80.00 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to secs. 3, 4 33 and 34
Drove marked Red Cedar stake 2 × 2 × 24 in. in S E pit
Undulating Clay land
Soil first rate

Between Tps. 31 & 32 N R 45 W.

S. 89°39' West on tme line
between secs. 4 & 33
Va 15°39' E.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
x 24 x 12 in. deep for 1/4
sec cor.

80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in deep
for corner to secs. 4,
5, 32 & 33, Drove marked
Red Cedar stake 2 x 2 x 24 in
in S E pit
Undulating Surface
Soil Clay, first rate

Between Tps. 31 & 32 N R 45 W

S 89°39' West on tme line
between secs 5 & 32
Va 15°45' E

40.00 Deposit charred stake and
raised mound of earth
2½ ft. high from pits 18 x
24 x 12 in. deep for 1/4 sec cor.

45.10 Drain Course S E.

80.00 Deposit charred stake and
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for corner
to secs. 5, 6, 31 and 32
Drove marked Red Cedar
stake 2 x 2 x 24 in. in S E pit
Rolling surface, clay land
Soil Good Second rate

Between Tps 31 & 32 N R 45 W.

S89°39' West on true line
between secs 6 & 31
Va 15°57' E.

33.20 Drain course South
40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+24+12 in deep for 1/4
sec. cor.

78.24 The corner to Townships
31 and 32 North Ranges
45 & 46 West
Rolling Clay land
Soil, good secondrate

Township 31 N R 45 W

General Description

This is a good township
The soil is a dark
Clay loam and of good
quality. Rush Creek
which courses East
through the township
has only water in
deep holes. Water can
be obtained in the
creek valley at
moderate depths
The soil in this valley
is black and rich
The surface is gently
rolling & has but
little waste land
The land can all be
made available for
agricultural purposes
The Township is
entirely destitute
of timber

Between Ranges 45 & 46 W. T. 32 N.

From the established corner to Townships 31 & 32 North Ranges 45 & 46 West I run North on the range line between secs. 31 & 36
Va. 15°55' E.

2.00 Drain course S.E.
13.30 Drain course S.E.
40.00 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
79.50 Ravine course East
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 30, 31, 25 & 36
Drove marked willow stake 2 x 2 x 24 in. in S.E. pit
Rolling prairie land
Soil Second rate

Between Ranges 45 & 46 W. T. 32 N.

North between secs 25 & 30
Va. 15°51' E.

11.80 Ravine course S.E.
40.00 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to secs. 19, 30, 24 & 25
Drove marked willow stake 2 x 2 x 24 in. in S.E. pit
Rolling Clay land
Soil good Second rate

Between Ranges 45 & 46 W T. 32 N

North between Secs. 19 & 24
Va 15° 45' E.

20.90 Drain course SE
40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 x 12 in deep for 1/4 sec cor
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 x 12 in. deep for corner to secs. 18, 19, 13 & 24. Drove marked willow 2 x 2 x 24 in. in SE pit Rolling clay land Soil good secondrate

Between Ranges 45 & 46 T. 32 N

North between Secs. 13 & 18
Va 15° 35' E

3.00 Drain course West
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 x 12 in deep for 1/4 sec corner
50.00 Ravine course W
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 x 12 in. deep for corner to secs. 7, 18, 12 & 13 Drove marked willow stake 2 x 2 x 24 in. in SE pit Rolling clay land Soil secondrate

Line betw. 7 & 12 left out
see forward page 247½

Copy this mile after page 247½

Between Ranges 45 & 46 W. S. 32 N

Between secs 1 & 6 see ~~next page~~

North between secs. 1 & 6
Va 15° 27' E.

5.40	Ravine course N. E.
22.00	Ravine course E
32.70	Wagon Road bears E & W.
40.00	Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
50.90	Ravine course East
66.59	Intersect the 8th Standard Parallel North 3.48 chains East of Standard corner to secs. 31 & 32 in Tp. 33 North Range 45 W. and Dep charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for Closing Corner to Tps. 32 North Ranges 45 & 46 W Drove marked Red Cedar stake 3 + 3 + 30 in East pit Rolling Clay land Soil secondrate

October 21st 1878

Between Ranges 45 & 46 W. S. 32 N.

North between secs 7 & 12
Va 15° 27' E.

37.25	Drain course West
40.00	Deposit charred stake raised mound of Earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 Sec cor
80.00	Deposit charred stake raised mound of Earth 2½ ft high from pits 18 + 24 + 12 in. deep for Corner to secs 6, 7, 1 and 12 Drove marked Willow stake 2 + 2 + 24 in. in S.E. pit Rolling Clay land Soil Secondrate

T 32 N R 45 W

General Description

This is a fair township
The surface is rolling
dark rich clay loam
The greater portion of
the township is
well adapted to
farming purposes
Two creeks having
water in holes
rise in the North
part of the township
The township is
entirely destitute
of timber

Between Ranges 46 & 47 W. T. 29 N.

From the established Standard Corner to Townships 29 North Ranges 46 & 47 W. on 7th Standard Parallel North I run North on the range line between secs. 31 & 36
Va 14° 45' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 30, 31, 25 and 36
Drove marked Red cedar stake 2 + 2 × 24 in. in S E pit
Surface rolling
South half. first rate
North half secondrate

Between Ranges 46 & 47 W. T. 29 N.

North between secs. 25 & 30
Va 14° 45' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

7800 Leave upland and enter River bottom bears E & W.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to secs. 19, 30, 24 & 25
Drove marked Cottonwood stake 2 × 2 × 24 in in S E pit
Rolling Surface
Soil Secondrate

Between Ranges 46 & 47 W. T. 29 N.

North between secs. 19 & 24
Va 14° 45' E

10,90 Niobrara River 165 links wide runs East

20,00 Leave bottom and enter upland bears E & W.

27,00 Wagon road bears E & W.

34,00 Ravine course SW.

40,00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

47,00 Same Ravine course East

80,00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 18, 19, 13 and 24
Drove marked willow stake 2 + 2 + 24 in. in SE pit
Surface rolling
Soil sandy third rate

Between Ranges 46 & 47 W. T. 29 N.

North between secs. 13 & 18
Va 14° 48' E.

21,00 Ravine course SE.

40,00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for 1/4 sec. cor.

80,00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 7, 18, 12 and 13
Drove marked willow stake 2 + 2 + 24 in. in SE pit
South 20 chs. rolling 3rd rate
North 60 " level. dark rich soil first rate

Between Ranges 46 & 47 W. T. 29 N

North between secs 7 & 12
Va 14° 51' E.

2500 Leave level and enter
Upland bears NW & SW.

3925 Ravine course S E

4000 Deposit charred stake and
raised mound of earth 2½
ft high from pits 18 + 24 +
12 in. deep for 1/4 sec cor.

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in deep for
corner to secs. 6. 7. 1 & 12
Drove marked Willow
Stake 2 + 2 + 24 in. in S E pit
South 25 chs rich level
Soil Firstrate
Balance rolling
Soil Firstrate

Between Ranges 46 & 47 W. T. 29 N

North between secs 1 & 6
Va 14° 57' E

2140 Drain course East

2810 Drain course S E

4000 Deposit charred stake and
raised mound of earth 2½ ft
high from pits 18 + 24 + 12
in deep for 1/4 sec cor.

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 +
24 + 12 in. deep for corner
to Townships 29 & 30 N
Ranges 46 & 47 West
Drove marked Willow stake
2 + 2 + 24 in East pit
Rolling Surface
Soil rich Firstrate

Between Tps. 29 & 30 N R 46 W

From the established corner to Townships 29 & 30 North Ranges 46 & 47 W. I run East on a random line between said townships Va 14° 54' E.

I set temporary half mile and mile posts at every 40 and 80 chains and 5 miles 79 chains and 90 links to a point 2.64 chains South of the corner to Townships 29 & 30 North Ranges 45 & 46 West The correction for the true line will therefore be 10 links West and 44 links North per mile

Every true Course is S. 89° 41' West

Between Tps 29 & 30 N R 46 W.

From the established corner to townships 29 & 30 N Ranges 45 & 46 W. I run S 89° 41' West on true line between sees 1 and 36 Va 16° E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 114 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to sees 1, 2, 35 and 36 Drove marked willow stake 2 × 2 × 24 in in S E pit Surface gently rolling Dark Clay Soil fir strate

Between Tps 29 & 30 N, R 46 West

S 89°41' West on true line
between secs 20 & 35
Va 15°51' E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to secs. 2, 3, 34 and 35 Drove marked Willow stake 2 + 2 + 24 in. in S E pit Surface gently rolling Dark clay soil, fine trees

Between Tps 29 & 30 N R 46 W

S 89°41' West on true line
between secs. 3 & 34
Va 15°42' E.

16.70 Drain course S E.

4000 Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec corner

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 3, 4, 33 and 34 Drove marked Willow stake 2 + 2 + 24 in in S E pit Gently rolling, dark Clay loam fine trees

Between Tps. 29 & 30 N R 46 W.

S 89° 41' West on true line
between secs 4 & 33
Va 15° 30' E.

4000 Deposit charred stake and
raised mound of earth
2½ ft high from pits 18 +
2 + 4 + 12 in deep for 1/4
sec cor

42.80 Drain course SE,

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 2 + 4 + 12 in. deep for
corner to secs 4, 5, 32
and 33
Drove marked Willow
stake 2 + 2 + 2 + 4 in in SE pit
Surface gently rolling
Clay soil Jirstrate

Between Tps. 29 & 30 N R 46 W

S 89° 41' West on true line
between secs 5 & 32
Va 15° 18' E.

14.75 Drain course SE,

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+ 2 + 4 + 12 in deep for 1/4
sec cor.

80.00 Deposit charred stakes
raised mound of Earth
2½ ft high from pits 18 + 2 +
+ 12 in deep for corner
to secs. 5, 6, 31 and 32
Drove marked Willow stake
2 + 2 + 2 + 4 in. in SE pit
Surface gently rolling
Dark Clay loam
Soil. Jirstrate

Between Tps 29 & 30 N R 46 W

S 89° 41' West on true line
between secs 6 & 31
Va 14° 54' E.

4000 Deposit charred stake
raised mound of Earth
2½ ft high from pits
18 × 24 × 12 in. deep for
1/4 sec cor

63.50 Ravine course SE

79.90 The corner to Townships
29 & 30 North Ranges
46 & 47 West
East 50 chs rolling
Soil first rate
West 30 chs broken
Soil third rate

October 23d 1878

This morning in a dense fog "Dull Knife's" band of N. Cheyennes crossed my line between me and my flagman while we were waiting for the fog to rise. About 150 Indians going in a N.W. direction

T. 29 N R 46 W.

General Description

This, in general, is a good township It has a rolling surface and a clay soil except along the river where it is sandy. In the Southeast part and ~~along the~~ North of the river there is some excellent land, well adapted to farming Niobrara river runs East through the township. There is a small creek in sec. 36. There is no timber except some willow bushes along the river

(Terrific snow storm set in this evening)

Between Ranges 46 & 47 W. T. 30 N.

From the established
corner to townships 29 & 30
N Ranges 46 & 47 W. I run
North on the range line
between secs 31 & 36
Va 14° 54' E.

5.70 Ravine course SE.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+ 24 × 12 in. deep for
1/4 sec cor.

80.00 Deposit charred stake
and raised mound of earth
2½ ft high from pits 18 +
24 × 12 in. deep for corner
to secs. 30, 31, 25 & 36
Drove marked Willow
Stake 2 × 2 × 24 in. in SE pit
Rolling tableland
Soil Clay loam 1st rate

Between Ranges 46 & 47 W. T. 30 N.

North between secs 25 & 30
Va 14° 54' E

5.00 Leave Upland and enter
Valley bears NW & SE

30.40 Ravine course SE.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 + 24 × 12 in. deep for 1/4
sec Cor.

48.00 Leave valley and enter
Upland bears NW & SE

80.00 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
+ 24 × 12 in deep for
corner to secs. 19, 30
24 and 25
Drove marked Willow
stake 2 × 2 × 24 in. in SE pit
Valley land Black loam
first rate
Upland Second rate

Between Ranges 16 & 17 W.S. 30 N.

North between secs 19 & 24
Va 14°54' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor

5400 Drain course East

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 18, 19, 13 & 24
Drove marked Red Cedar stake 2 x 2 x 24 in. in SE pit
Surface rolling
Dark soil, fine strata

Between Ranges 16 & 17 W.S. 30 N.

North between secs. 13 & 18
Va 14°54' E.

1210 Ravine course S.E.

3590 Drain course East

4000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec Cor.

8000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to secs 7, 18, 12 and 13
Drove marked willow stake 2 x 2 x 24 in in SE pit
Surface gently rolling
Dark Clay loam first strata

Between Ranges 46 & 47 W. B. 30 N.

North between secs 7 & 12
Va 14° 57' E.

40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec Cor

58.70 Drain course East

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep corner to secs 6, 7, 1 and 12 Drove marked Willow stake 2 x 2 x 24 in. in S E pit.

Surface Rolling
Soil dark clay first rate

Between Ranges 46 & 47 W. B. 30 N.

North between secs 1 & 6
Va 14° 57' E.

39.10 Drain course East

40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to Townships 30 & 31 N Ranges 46 & 47 W Drove marked Willow stake 2 x 2 x 24 in. in E. pit

South 10 chs. rolling
Soil Second rate
North 70 chs Undulating
dark clay loam
Soil first rate

Between Tps 30 & 31 N. R 46 W

From the established corner to Townships 30 & 31 N Ranges 46 and 47 W. I run East on random line between said Townships
Va 14° 54' E.
I set temporary half mile and mile posts at every 40 and 80 chains, and at 5 miles 79 chains and 75 links to a point 294 chains South of the corner to townships 30 & 31 N. Ranges 45 & 46 West
The correction for the true line will therefore be 25 links West and 49 links North per mile
my true Course S. 89° 39' West

Between Tps 30 & 31 N R 46 W

From the established corner to Townships 30 & 31 North Ranges 45 & 46 W. I run S 89° 39' West on true line between secs 1 & 36
Va 15° 12' E.

38.50 Drain course SE
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 14 x 12 in deep for 1/4 sec c.
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 2 x 12 in deep for corner to secs. 1, 2, 35 and 36
Drove marked Willow stake 2 x 2 x 24 in. in SE pit
Rolling Clay land
Soil Second rate

Between Tps. 30 & 31 N R 46 W.

S 89° 39' West on true line
between secs 2 & 35
Va 15° 12' E.

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
x 24 x 12 in deep for
1/4 sec cor.

44.80 Drain course N. East
47.75 Same Drain course S E

8000 Deposit charred stake
raised mound of earth
2½ ft. high from pits,
18 x 24 x 12 in. deep
for corner to secs
2, 3, 34 and 35
Surface level
Clay land, Soil 2nd rate

Between Tps 30 & 31 N R 46 W

S 89° 39' West on true line
between secs 3 & 34
Va 15° 12' E

4000 Deposit charred stake and
raised mound of earth 2½
ft high from pits 18 x 24 x 12
in. deep for 1/4 sec cor

8000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 x
24 x 12 in deep for corner
to secs. 3, 4, 33 and 34
Drove marked W yellow
stake 2 x 2 x 24 in. in S E pit
Level clay land
Soil secondrate

Between Tps 30 & 31 N R 46 W

S 89° 39' West on true line between secs 4 & 33
Va 15° 09' E.

39.80 Ravine course S E.

40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 4, 5, 32 and 33
Drove marked Willow stake 2 x 2 x 24 in in S E pit
Level clay land
East half, Second rate
West half First rate

Between Tps 30 & 31 N R 46 W

S 89° 39' West on true line between secs 5 & 32
Va 15° 03' E

37.50 Drain course South

40.00 Deposit charred stake and raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor

80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to secs. 5, 6 31 and 32, Drove marked Willow stake 2 x 2 x 24 in in S E pit
East 66 chs level 1st rate
West 14 " rolling 2nd rate

Between Tps 30 & 31 N R 46 W.

S 89°39' West on true line
between secs 6 & 31
Va 14°55' E

4000 Deposit chained stake
raised mound of earth
2 1/2 ft. high from pits 18 +
24 + 12 in deep for 1/4
sec cor

72.55 Ravine course SE
79.75 The corner to Township
30 & 31 N Ranges 46 &
47 West
East half rolling clay
land soil secondrate
West half, level, soil
firstrate

October 27th 1878

(Terrific blizzard of wind and
snow continued for 3 days
from evening of the 23rd)

T. 30 N R 46 W

General Description

The surface in this
township is gently
rolling with dark
rich clay soil
Along the Western
side of the township
there is some Excellent
lands deep fine black
Clayey loam
The Township is well
suited to farming
and will produce
all kinds of small
grain adapted to
the Climate
The township is destitute of timber and
living water

Between Ranges 46 & 47 W. T. 31 N.

From the established Corner to Townships 30 & 31 N Ranges 46 and 47 W. I run North on the range line between Secs. 31 & 36
Va 14° 57' E.

390 Ravine course SE
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for 1/4 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 30, 31, 25 and 36
Drove marked Willow stake 2 + 2 + 24 in. in SE pit
South 50 chs level
Soil flinty
Balance rolling
Soil secondrate

Between Ranges 46 and 47 W. T. 31 N.

North between Secs. 25 & 30
Va 14° 57' E.

38.10 Drain course SE
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor
4800 Drain course ~~S~~ East
6400 Drain course SE.
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to Secs. 19, 30, 24 and 25. Drove marked Willow stake 2 + 2 + 24 in in SE pit
Rolling prairie
Soil secondrate

Between Ranges 46 & 47 W. P. 31 N.

North between Secs 19 & 24
Va 14° 56' E.

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8000 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs. 18, 19, 13 and 24
Drove marked Willow stake 2 x 2 x 24 in in S E pit
High rolling land
Soil secondrate

Between Ranges 46 & 47 W. P. 31 N

North between Secs. 13 & 18
Va 14° 53' E.

33.00 Drain course NW

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 sec cor

5040 Ravine course NW.

77.85 Ravine course East

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 7, 18, 12 and 13.
Drove marked Willow stake 2 x 2 x 24 in in S E pit
Surface rolling
Soil secondrate

Between Ranges 46 & 47 W. P. 31 N.

North between Secs 7 & 12
Va 14° 56' E

3.80 Sidney and Spotted Tail Road bears NE & SW.
33.85 Drain course SE.
40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
46.70 Ravine course East
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to Secs 6, 7, 1 and 12
Drove marked willow stake 2 + 2 + 24 in in Pit
Surface rolling
Soil Second rate

Between Ranges 46 & 47 W. P. 31 N.

North between Secs 1 & 6
Va 15° 06' E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
48.50 Drain course East
59.10 Drain course SE
68.50 Drain course SE
80.00 Deposit charred stake Set Willow post 3 + 3 in 4½ ft. 18 ft. deep raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to Townships 31 & 32 N Ranges 46 & 47 West
Rolling Clay land
Soil Second rate

Between Tps. 31 & 32 N. R 46 W.

From the established corner to Townships 31 & 32 N Ranges 46 & 47 W. I run East on a random line between said townships
Va 15° E.
I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 78 chains and 91 links to a point 3.42 chains South of the corner to Townships 31 & 32 N. Ranges 45 & 46 W.
The correction for the true line will therefore be 1 chain and 9 links West and 57 links North per mile and my true Course will S. 89° 36' West

Between Tps 31 & 32 N R 46 W

From the established corner to Townships 31 and 32 N Ranges 45 & 46 West I run S. 89° 36' West on true line between secs 1 & 36
Va 15° 09' E.

3040 Drain course South
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor
6320 Drain course S E
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 1, 2 35 and 36 –
Drove marked Willow stake 2 x 2 x 24 in in S E pit
Surface rolling & broken
Soil second rate

Between Tps. 31 & 32 N R 46 W.

S 89° 36' West on true line between secs. 2 & 35
Va 15° 03' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for 1/4 sec cor

5750 Ravine course SW

6900 Ravine course SW

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to secs. 2, 3, 34 and 35
Drove marked willow stake 2 × 2 × 24 in. in S E pit
Rolling & broken Clay land
Soil soil Secondrate

Between Tps 31 & 32 N R 46 W

S 89° 36' West on true line between secs 3 & 34
Va 14° 57' E

4.20 Ravine course SW.

9.50 Ravine course SW.

40.00 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec cor.

42.50 Ravine course SW

51.50 Wagon road bears N E & S W

67.80 Ravine course SW

69.55 Wagon Road from Sidney to Spotted Tail bears N W & S E

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 1/4 sec cor to secs. 3, 4, 33 and 34
Drove marked Willow stake 2 × 2 × 24 in in S E pit
Rolling & broken Clay
Soil Secondrate

Between Tps 31 & 32 N R 46 W.

S 89° 36' West on true line
between secs. 4 & 33
Va 14° 55' E.

4.20 Raine course South

40.00 Deposit chained stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 sec cor

44.70 Sidney and Spotted tail road bears N E & S W.

80.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 4, 5, 32 & 33
Drove marked Willow stake 2 x 2 x 24 in. ~~deep~~ in SE pit
Surface rolling
Soil second rate

Between Tps 31 & 32 N R 46 W

S 89° 36' West on true line
between secs 5 & 32
Va 14° 51' E.

40.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.

80.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs. 5, 6, 31 and 32. Drove marked Willow stake 2 x 2 x 24 in in SE pit
East 60 chains level
Soil fine state
West gently rolling
Soil, Clay, Second rate

Between Tps. 31 & 32 N R 46 W.

S 89° 36' West on true line
between secs 6 & 31
Va. 14° 51' E.

4000 Deposit charred stake
raised mound of Earth
2½ ft high from pits 18+
7+4+12 in deep for 1/4
sec cor.

42,50 Drain course South
78.91 The corner to Townships
31 and 32 North Ranges
46 and 47 West
Rolling Clayland
Soil Second rate

S. 31 N R 46 W.

General Description

This is rather a good
township. The land
is rolling and South
of Rush Creek is
well adapted to
farming. In the
Northern part it is
more broken but
there is but little
waste land
The Soil is dark
Clay loam
No wood or water
found in this
township

Between Ranges 46 & 47 W.B.M. 32 N.

From the established Corner to Townships 31 & 32 North Ranges 46 & 47 W. I run North on the range line between Secs. 31 & 36
Va 14°48' E.

3010 Drain course East
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor
4700 Drain course East
6720 Drain course SE
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to Secs. 30, 31, 25 & 36
Drove marked Pine stake 2 x 2 x 24 in in SE pit
Surface rolling
Dark Clay loam
Soil Quartzite

Between Ranges 46 & 47 W.B.M. 32 N.

North between Secs 25 & 30
Va 14°48' E.

4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
4210 Drain course NW
5700 Drain course West
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for corner to Secs. 19, 30, 24 and 25
Drove marked Pine stake 2 x 2 x 24 in in SE pit
Rolling Clay land
Soil Secondrate

Between Ranges 46 & 47 W. P. 32 M.

North between Secs 19 & 24
Va 14° 45' E.

5.50 Indian trail bears NW & SE
27.10 Gulch course NE
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
60.50 Drain course West
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 × 12 in deep for corner to Secs. 18, 19, 13 & 24
Drove marked Pine stake 2 + 2 × 24 in. in S E pit

October 28th 1878

Between Ranges 46 & 47 W. P. 32 M.

North between Secs 13 & 18
Va 14° 45' E.

4.30 Gulch course West
30.00 Canon course West
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec. cor.
56.50 Canon course West
66.00 Canon course SW
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to Secs. 7, 18, 12 & 13
Drove marked Pine stake 2 × 2 × 2½ in in S E pit
Surface broken
Soil Thirdrate

Between Ranges 46 & 47 W. T. 32

North between Secs. 7 & 12
Va 14° 48' E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

77.90 Gulch course West.

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to Secs. 6. 7. 1 & 12 Drove marked Pine stake 2 x 2 x 24 in. in S E pit Broken Clay hills Soil Third rate

Between Ranges 46 & 47 W. T. 32 N.

North between Secs. 1 & 6
Va 14° 55' E.

34.50 Canon course East

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

71.68 Intersect the 8th Standard Parallel 2.67 chains East of Standard corner to Secs 31 & 32 T. 33 N R 46 W. Deposit charred stake, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep Set Pine post 3 x 3 in 4½ ft. in mound for closing corner to township 32 N Ranges 46 & 47 West from which a Pine tree 5 in. diam bears N 24½ W. 9 links dist Surface gulling Soil third rate

October 29th 1878

T. 32 N R 46 W

General Description
This is not a very good township. The land is high and rolling and considerably broken by ravines and Cañons
There is however some excellent land in the high plateaus and in the vales or depressions
The soil is clay
There is some pine along the west side of the Township
The North side is broken by deep Cañons and by Beaver Creek.
There is some Pine timber in the Cañons in North part of the township.

Between Ranges 47 & 48 W. & 29 N.

From the established Standard Corner to townships 29 N Ranges 47 & 48 W. I run North on the range line between secs 31 & 36
Va 14°42' E

40.00 Deposit chained stake and raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec Cor.

80.00 Deposit chained stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs. 30, 31, 25 and 36. Drove marked Willow stake 2 x 2 x 24 in in S E pit
Undulating Surface
Soil second rate

Between Ranges 47 & 48 W. B. 29 N.

North between secs. 25 & 30
Va 14° 45' E.

25.00 Leave upland and enter River bottom bears E & W.

31.30 Niobrara River runs East 4.50 chains wide and 6 in deep

40.00 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor from which a willow tree 6 in diam bears N 40° W. 80 links dist

75.00 Leave valley & enter upland bears E & W

80.00 Deposit charred stake, raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 19, 30, 24 & 25
Drove marked willow stake 2 + 2 + 24 in. in S E pit
Bottom sandy Second rate
Upland rolling Second rate

Between Ranges 47 & 48 W. B. 29 N.

North between secs. 19 & 24
Va 14° 45' E.

15.00 Wagon Road bears E & W.

40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.

80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 18, 19, 13 & 24
Drove marked willow stake 2 + 2 + 24 in. in S E pit
Surface rolling
Soil Second rate

Between Ranges 47 & 48 W. & 29 N.

North between secs 13 & 18
Va 14° 45' E.

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
+ 2½ + 12 in deep for 1/4
Sec Cor

8000 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 + 2½ + 12 in deep for
corner to secs 7, 18, 12
& 13. Drove marked
Hackberry stake 2 + 2
+ 2½ in. in S E pit
Surface rolling
Soil Secondrate

Between Ranges 47 & 48 W. & 29 N.

North between Secs. 7 & 12
Va 14° 45' E

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 +
2½ + 12 in deep for 1/4 sec
corner ~~to secs~~
Small pond of water on
West side of corner

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
+ 2½ + 12 in. deep for corner
to secs 6, 7, 1 and 12
Drove marked Hackberry stake
2 + 2 + 2½ in in S E pit
Undulating Surface
Soil Secondrate

Between Ranges 47 & 48 W. & 29 N

North between secs 1 & 6
Va 14° 51' E.

40.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 sec cor.

72.10 Gulch course S.W.

80.00 Deposit chained stake set Willow post 4 x 4 in 4½ ft. 1 ft deep, raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to Townships 29 & 30 N Ranges 47 & 48 West South 60 chs. gently rolling soil second rate North 20 chs broken soil Third rate

October 29th 1878

Between Tps 29 & 30 N R 47 W

From the established corner to Townships 29 & 30 North Ranges 47 & 48 W I run East on random line between said Townships
Va 14° 57' E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 79 chains and 61 links to a point 3.06 chs. South of the corner to Townships 29 & 30 N, Ranges 46 & 47 W.
The correction for the true line will therefore be 39 links West and 51 links North per mile
my true course S. 89° 38' West

Between Tps 29 & 30 N. R 47 W.

From the established corner to Townships 29 & 30 N, Ranges 46 & 47 W. I run S 89° 38' West on true line between secs 1 & 36 Va 14° 54' E.

3.00 Gulch course S E.

40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for 1/4 sec. cor.

67.10 Drain course S E

80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 1, 2, 35 & 36 Drove marked willow stake 2 + 2 + 24 in in S E pit

Rolling clay land

Soil first rate

Between Tps 29 & 30 N R 47 W

S 89° 38' West on true line between secs. 2 & 35 Va 14° 54' E.

40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for 1/4 sec. c o r.

50.00 Ravine course S E

80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to secs. 2, 3, 34 and 35. Drove marked willow stake 2 + 2 + 24 in in S E pit

Rolling surface

Soil second rate

Between Tps. 29 & 30 N. R 47 W.

S 89° 38' West on true line
between secs 3 & 34
Va 14° 51' E.

1.00 Gulch course South
35.50 Drain course South
40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 x
24 x 12 in. deep for 1/4
sec cor
53.00 Enter broad Ravine 10 chs.
wide course SE,
64.70 Trail course SE,
80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in. deep for
corner to secs. 3, 4, 33 & 34
Drove marked Willow stake
2 x 2 x 24 in. in SE pit
East 50 chs. 2nd rate
West 30 " 3rd rate

Between Tps 29 & 30 N. R 47 W

S 89° 38' West on true line
between secs 4 & 33
Va 14° 48' E.

7.40 Gulch course NW.
21.10 Drain course NW.
40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 x 24
x 12 in. deep for 1/4 sec cor
48.30 Ravine course South
80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 x
24 x 12 in. deep for corner
to secs. 4, 5, 32 & 33
Drove marked willow stake
2 x 2 x 24 in. in SE pit
Rolling Clay land
Soil Third rate

Between Tps. 29 & 30 N R 47 W

S 89° 38' West on true line
between Secs 5 & 32
Va 14° 51' E.

4000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
2 + 12 in deep for 1/4
sec cor.

56.00 Ravine course South

80.00 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 + 2 + 12 in deep for
corner to secs. 5, 6, 31
and 32. Drove marked
Willow stake 2 + 2 + 24 in
in S E pit
Undulating Surface
Soil sandy Thirdrate

Between Tps. 29 & 30 N R 47 W

S 89° 38' West on true line
between Secs 6 and 31
Va 14° 55' E.

36.50 Ravine course S.W.

4000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
2 + 12 in deep for
1/4 sec cor.

76.50 Short deep gulch course S.W.

79.61 The corner to Townships
29 & 30 N. R 47 & 48 West
Surface rolling & broken
East half, Second rate
West half Third rate

T. 29 N R 47 W.

General Description

This township is watered by the Niobrara river. The land slopes back gently from the stream and forms a broad undulating plain. The soil is dark sand and clay and good for farming in many places. There is no timber. Some willow brush and a few cottonwood found along the river.

Between Tps 29 & 30 N. R 48 W

From the established corner to Township 29 & 30 N Ranges 47 and 48 W. I run West on a random line between said Townships Va 14, 45' E

I set temporary half mile and mile posts at every 40 and 80 chs. and at 5 miles 79 chains and 10 links to a point 2,82 chs. North of the corner to Tps 29 & 30 N Ranges 48 & 49 W.

The correction for the true line will be therefore, 47 links South per mile and my true course N. 89°40' East

Between Tps. 29 & 30 N R 48 W

From the established Corner to Tps. 29 & 30 N, Ranges 48 & 49 W, on 6th Guide Meridian run North 89° 40' East on true line between Secs. 6 and 31
Va 14° 40' E.

8.00 Gulch course North
39.10 Deposit chained stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec Cor.
57.75 Ravine course SE
63.50 Same Ravine course North
65.00 Same ravine course SE.
79.10 Deposit chained stake raised mound of earth and soft rock 2½ ft high from pits 18 + 24 + 12 in deep for corner to Secs. 5, 6, 31 & 32 Drove marked Willow stake 2 × 2 × 24 in. in SE pit From Corner a White Earth Butte bears N 45° E 20 chs. dist Surface rough & broken Soil third rate

Between Tps. 29 & 30 N R 48 W

S 89° 40' East on true line between Secs 5 & 32
Va 14° 45' E.

40.00 Deposit chained stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec. cor.
43.00 Ravine course SE.
45.00 Old wagon road bears N & S
46.00 Ravine course SW
80.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for corner to Secs. 4, 5, 32 and 33 Drove marked Willow stake 2 × 2 × 24 in in SE pit Surface rolling & broken Soil Third rate

Between Tps. 29 & 30 N R 48 W

N S 89° 40' East on true line
between Secs 4 & 33
Va 14° 45' E.

38,70 Sidney & Spotted Tail
Road bears N & S.

40,00 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in deep for
114 see cor.

80,00 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in deep for
corner to Secs. 3, 4, 33 & 34
Drove marked willow stake
2 + 2 + 24 in. in SE pit
Rolling Surface
Medium dark soil
Second rate

Between Tps. 29 & 30 N R 48 W.

N S 89° 40' East on true line
between Secs. 3 & 34
Va = 14° 48' E

40,00 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 + 12 in deep for 114
see cor.

80,00 Deposit chained stake
raised mound of earth 2½
ft high from pits 18 + 24
+ 12 in deep for ~~114 see cor~~
to Secs. 2, 3, 34 & 35
Drove marked willow stake
2 + 2 + 24 in in SE pit
Rolling Surface
West 60 chs. 2nd rate
East 20 chs rolling
Soil sandy third rate

Between Tps. 29 & 30 N R 48 W

N 89° 40' East on true line
between secs 2 & 35
Vn 14° 48' E.

15.85 Pepper Creek, dry on
line course South

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+ 24 × 12 in. deep for
1/4 sec cor.

80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 + 24
+ 12 in deep for corner
to secs 1, 2, 35 & 36
Drove marked willow
stake 2 + 2 × 24 in. SE pit
East 40 chs undulating
dark sandy soil 2nd rate
West 40 chs. broken and
sandy soil third rate

Between Tps. 29 & 30 N R 48 W.

N 89° 40' East on true line
between secs 1 & 36
Vn 14° 55' E.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+ 24 × 12 in. deep for 1/4
sec cor

80.00 The corner to Townships
29 & 30 N Ranges 47 & 48 W.
West 60 chs undulating
and dark clay & sandy
soil — first rate
East 20 chs. rolling
sandy soil. third rate

October 30th 1878

T. 29 N R 48 W

General Description

This township is watered by the Niobrara river and a small creek runs Southeast The land slopes gradually from the river. Surface somewhat broken by Ravines in the western part There is some good farm land along the creek, and also along the dry creek in Northeast corner.

Some Cottonwood along the creek This is a good township

Between Ranges 47 & 48 W, T. 30 N.

From the established corner to Townships 29 & 30 N. Ranges 47 & 48 West I run North on range line between secs. 31 & 36 Vn 14° 50' E.

3,00 Gulch course West
19.70 Gulch course S. W.
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for 1/4 sec cor.
8000 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to secs, 30, 31, 25 & 36
Drove marked Hackberry stake 2 x 2 x 24 in. in SE pit
South 20 chs broken and rolling. Soil thirdrate
North 60 chs Clay land Soil good Secondrate

Between Ranges 47 & 48 W T. 30 N

North between Secs. 25 & 30
Va 14° 50' E,

22.40 Ravine course NE,
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for 1/4 sec. Cor,
61.20 Drain course SW,
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for corner to secs. 19, 30, 24 & 25 Drove marked Hackberry stake 2 × 2 × 24 in. in S E pit Surface rolling & broken Soil second rate

Between Ranges 47 & 48 W T. 30 N

North between Secs. 19 & 24
Va 14° 42' E,

11.90 Gulch course NE
28.60 Broad Ravine course SE
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for 1/4 sec cor
49.00 Gulch course West
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for corner to secs. 18, 19, 24 & 25 Drove marked Hackberry stake 2 × 2 × 24 in. in S E pit Surface rolling & broken Soil third rate

Between Ranges 47 & 48 W. T. 30 N.

North between Secs. 13 & 18
Va 14° 35' E.

17.20 Ravine course East
37.60 Drain course S E
40.00 Deposit Chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for 1/4 sec Corner
78.90 Sidney & Spotted Tail Roadbeds N E & S E
80.00 Deposit Chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for corner to secs. 7, 18, 12 & 13
Drove marked Hackberry Stake 2 + 2 + 24 in in S E pit
South half Broken Soil thin drift
North half undulating Soil Glacial

Between Ranges 47 & 48 W. T. 30 N.

North between Secs. 7 & 12
Va 14° 35

38.00 Sidney & Spotted Tail Road beds N E & S W.
40.00 Deposit Chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for 1/4 sec cor.
80.00 Deposit Chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for Corner to secs. 6, 7, 1 and 12
Drove marked Hackberry stake 2 + 2 + 24 in in S E pit
Surface undulating Tableland, Soil Drift

Between Ranges 47 & 48 W. T. 30 N.

North between secs 1 & 6
Va 14° 35' E.

40,00 Deposit charred stake raised mound of earth 2½ ft high from pits 18+24+12 in deep for 1/4 sec cor

63,15 Gulch course West

74,00 Ravine course N.E.

80,00 Deposit charred stake raised mound of earth 2½ ft high from pits 18+24+12 in. deep for corner to townships 30 & 31 N Ranges 47 & 48 W
Set Huckberry post 4×4 in 4½ ft. 1 ft. deep in mound as per instructions
South 40 chs. gently rolling tableland, 1st rate
North 40 chs. broken by ravines. Soil third rate

Between Tps 30 & 31 N R 47 W

From the established corner to Townships 30 & 31 N Ranges 47 and 48 W. I run East on a random line between said townships
Va 14° 35' E.
I set temporary half mile and mile posts at every 40 and 80 chs. and 5 miles 78 chains and 99 lks to a point 2,91 chains South of the corner to Tps 30 and 31 N Ranges 46 and 47 West

The correction for the true line will therefore be 1,01 chs. West and 48½ lks North per mile and my true course S. 89° 39' West

Between Tps. 30 & 31 N. R 47 W.

From the established corner to Township 30 & 31 N. Ranges 46 & 47 W. I run
S. 89° 39' West on true line between Secs. 1 & 36
Va 14° 55' E
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for 1/4 sec cor.
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for corner to Secs. 1, 2, 35 & 36
Drove marked Pine stake 2 × 2 × 24 in. in S E pit
East half undulating Dark clay soil 1st rate
West half rolling Soil first rate

Between Tps. 30 & 31 N R 47 W.

S 89° 39' West on true line between Secs. 2 & 35
Va 14° 55' E.
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for 1/4 sec cor
4800 Drain course S E
6880 Drain course N E
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in. deep for corner to Secs. 2, 3 34 and 35. Drove marked Pine stake 2 × 2 × 24 in. in S E pit
Surface rolling
Dark loam first rate

Between Tps. 30 & 31 N R 47 W

S 89° 39' West on true line
between secs. 3 & 34
Va 14° 52' E

14.50 Drain course N E
36.60 Drain course S E
40.00 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for
1/4 sec cor
80.00 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in. deep
for corner to secs. 3, 4
33 and 34
~~Reduce~~ Drove marked Pine
stake 2 x 2 x 24 in in SE pit
Rolling & somewhat broken
Dark clay loam 1st rate

Between Tps. 30 & 31 N R 47 W

S 89° 39' West on true line
between Secs. 4 & 33
Va 14° 50' E.

40.00 Deposit chained stake and
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in deep for 1/4
sec cor
58.90 Drain course SE.
80.00 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 + 12 in deep for 1/4 cor.
to secs. 4, 5, 32 and 33
Drove marked Pine stake
2 x 2 x 24 in in SE pit
Surface Rolling
Soil dark clay
loam, first rate

Between Tps 30 & 31 N R 47 W

S 89° 39' West on true line
between secs 5 & 32
Va 14° 48' E

4000 Deposit charred stake and
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for 1/4
sec cor

43,10 Trail bears N E & S W.

62,10 Drain course S E

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for
corner to secs. 5, 6, 31
and 32. Drove marked
Pine stake 2 x 2 x 24 in
in S E pit
Surface rolling
Soil dark loam & clay
first rate

Between Tps 30 & 31 N R 47 W.

S 89° 39' West on true line
between secs 6 & 31
Va 14° 45' E.

3400 Drain course South

4000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for 1/4
sec cor

57,50 Sidney & Spotted Tail
road bears N E & S W

59,70 Ravine course S E

61,60 Same ravine course N E

68,50 Same ravine course S E

79,99 The corner to townships
30 & 31 N Ranges 47
& 48 West
East half rolling
Clay soil first rate
West half Broken
Soil third rate

T. 30 N R 47 W.

General Description

This township is rolling and considerably broken by Ravines and gulches. There is however considerable good land along the dry creeks and drains also on the divides Along the East boundary there is excellent farming land, the soil, a deep black clay loam The township is destitute of wood and water

Between Tps. 30 & 31 N. R 48 W

From the established corner to townships 30 & 31 North Ranges 47 & 48 W. I run West on a random line between said Townships Va 14°45' E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 77 chains and 55 links to a point 1.71 chs. North of the corner to townships 30 & 31 N Ranges. 48 & 49 W

The correction for the true line will therefore be 2 8/12 links South per mile and my true course N. 89° 48' East.

October 31. 1878

Between Tps. 30 & 31 N R 48 W

From the established Corner to Townships 30 & 31 North Ranges 48 & 49 W I run
N 89° 48' East on true line between secs. 6 & 31
Va 15° E
1,25 Ravine course S E
37,55 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 1/4 sec cor
38,95 Cañon course South
77,55 Deposit charred stake and raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to secs. 5, 6, 31 and 32
Drove marked Pine stake 2 × 2 × 24 in in S E pit
Rolling & broken by ravines
Soil fine trash

Between Tps. 30 & 31 N R 48 W

N 89° 48' E ast on true line between Secs 5 & 32
Va 15° E
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 1/4 sec cor
42,80
80,00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to Secs. 4, 5, 32 & 33
Drove marked Pine stake 2 × 2 × 24 in. in S E pit
Surface rolling
Dark loam soil 1st rate

Between Tps 30 & 31 N R 4 8 W

N 89° 48' East on true line
between secs 4 & 33
Va 14° 57' E.

4000 Deposit chamed stake
raised mound of earth
2½ ft high from pits 18 + 24
+ 12 in deep for 1/4 sec cor.

8000 Deposit chamed stake
raised mound of earth
2½ ft high from pits 18
+ 24 × 12 in deep
for corner to secs
3, 4, 33 and 34,
Drove marked Pine
stake 2 × 2 × 24 in in
S E pit
Gently rolling surface
Dark clay loam
Soil first rate

Between Tps. 30 & 31 N R 4 8 W

N 89° 48' East on true line
between secs 3 & 34
Va. 14° 54' E.

11.30 Ravine course S E
4000 Deposit chamed stake
raised mound of earth
2½ ft high from pits 18 ×
24 × 12 in. deep for
1/4 sec cor.
41.90 Gulch course South
8000 Deposit chamed stake
raised mound of earth
2½ ft high from pits. 18 ×
24 × 12 in deep for
corner to secs. 2, 3, 34
and 35. Drove marked
Pine stake 2 × 2 × 24 in
in S E pit.
Surface rolling & broken
East half, second rate
West half Third rate

Between Tps. 30 & 31 N. R 48 W.

N 89° 48' East on true line
between Secs. 2 & 35
Va. 14° 51' E

3550 Drain course South
4000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 & 24
& 12 in deep for 1/4 sec cor
80,00 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 &
24 & 12 in deep for
corner to secs. 1, 2, 35 &
36 Drove marked Pine
stake 2 x 2 x 24 in. in S E pit
Surface gently rolling
Dark clayey loam
Soil Fistrate

Between Tps. 30 & 31 N. R 48 W

N 89° 48' East on true line
between Secs. 1 & 36
Va. 14° 45' E.

4000 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 & 24 & 12 in deep for
1/4 sec cor.
8000 The corner to townships
30 & 31 North Ranges
47 and 48 West.
Surface gently rolling
Dark clayey loam
Soil Fistrate

T. 30 N R 48 W

General Description

This township is considerably broken by canons. The land on the divides is good dark clay soil. There is a creek in the southwest part with water in holes some willow brush along the creek

Between Ranges 47 & 48 W & 31 N.

From the established corner to townships 30 & 31 North Ranges 47 & 48 W I run North on the range line between secs. 31 & 36
Va 14° 30' E.

6.10 Ravine course N E
40.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.
65.25 Drain course N E
78.00 Drain course S E
80.00 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 30, 31, 25 and 36 Drove marked Pine stake 2 x 2 x 24 in in S E pit
Surface rolling & broken Soil Thin drift

Between Ranges 47 & 48 W. T. 31 N

North between Secs. 25 & 30
Va 14°30' E.

30.40 Drain course N. E.
39.20 Drain course N E
40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 & 12 in. deep for 1/4 sec cor.
42.50 Drain course S E
70.10 Drain course N E.
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 & 12 in. deep for Corner to secs. 19. 30. 24 & 25 ~~& 30~~
Drove marked marked Pine stake 2 & 2 & 24 in in S E pit
Broken Clay land
Soil Thirdrate

Between Ranges 47 & 48 W T. 31 N

North between Secs 19 & 24
Va 14°33' E

7.90 Drain course N E
38.90 Gulch course N E
40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 & 12 in deep for 1/4 sec cor
58.00 Drain course N E
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 in deep for Corner to secs. 18, 19, 13 & 24
Drove marked Pine stake 2 & 2 & 24 in. in S E pit
Rolling & broken Clay
Soil thirdrate

Between Ranges 47 & 48 W. T. 31 N

North between Secs. 13 & 18
Va. 14° 33' E

26.15 Ravine course East
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for 1/4 sec cor
55.30 Gulch course SW
74.55 Trail bears SE & NW
80.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 × 12 in. deep for corner to secs. 7, 18, 12 and 13
Drove marked Pine stake 2 × 2 × 24 in in SE pit
Surface, rolling & broken
Soil Third rate

Between Ranges 47 & 48 W T. 31 N

North between Secs 7 & 12
Va. 14° 36' E.

10.60 Gulch course East
36.60 Canon course SE
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in. deep for 1/4 sec cor
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 × 12 in deep for corner to secs. 6, 7, 1 and 12. Drove marked Pine stake 2 × 2 × 24 in. in SE pit
South half broken, 3rd rate
North half, Cleyland 1st rate

Between Ranges 47 and 48 W. T. 31 N

North between Secs 1 & 6
Va 14° 39' E

29.50 Ravine course NW.
40.00 Deposit charred stake
Set Pine post 3 x 3 in 4 ft.
1 ft. deep raised mound of
earth 2½ ft. high from
pits 18 x 24 x 12 in deep for
1/4 sec cor. from which
A Pine 14 in diam bears
S 4½° W. 19 lks. dist
A Pine 18 in. diam bears
S 5½° E 32 links distant
43.50 Same ravine course NE
55.30 Same ravine course NW
80.00 Deposit charred stake
Set Sandstone 33 x 8 x 5 in
marked as per instructions
raised mound of earth
2½ ft high from
pits 18 x 24 x 12 in
deep for corner
to Township
31 and 32 North

Ranges 47 and 48
West.
Land rough and
broken by Canons
Soil dark Clayey
loam, forstrate
Pine timber in
Gulches

Between Tps 31 & 32 N R 47 W

From the established corner to townships 31 & 32 N, Ranges 47 & 48 W. I run East on a random line between said Tps, Va 14° 39' E,

I set temporary half mile and mile posts at every 40 and 80 chs and at 5 miles 78 chains and 25 links to a point 3,48 chs South of the corner to Townships 31 and 32 North Ranges 46 and 47 West

The correction for the true line will therefore be 1 chain and 75 lks West and 58 links North per mile and my true ~~line~~ Course will be S. 89° 35' West,

Between Tps. 31 & 32 N R 47 W,

From the established corner to Township 31 and 32 North Ranges 46 and 47 W. I run S. 89° 35' West on true line between Secs. 1 & 36 Va 14° 30' E,

4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 114 sec cor,

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for corner to secs. 1, 2, 35 and 36 Drove marked Pine stake 2 x 2 x 24 in. in S Epit Rolling, clay land Soil Firstrate

Between Tps. 31 & 32 N R 47 W

S 89° 35' West on true line
between secs. 2 & 35
Va 14° 35' E.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in. deep for 1/4
sec. cor.

46.30 Ravine course South

80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in. deep for
corner to secs. 2, 3, 34
and 35. Drove marked
Pine stake 2 x 2 x 24 in.
in S. E. pit
Surface rolling
Soil second rate

Between Tps. 31 & 32 N R 47 W.

S. 89° 35' West on true line
between secs 3 & 34
Va 14° 35' E.

24.20 Cañon course S.E.

40.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in. deep for
1/4 sec. cor.

41.80 Cañon course N.W.

80.00 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in. deep
for corner to secs
3, 4 33 and 34
Drove marked Pine stake
2 x 2 x 24 in. in S.E. pit
Surface rolling & broken
Soil third rate

November 1st 1878

Between Tps. 31 & 32 N R 47 W.

S89°35' West on true line
between secs 4 & 33
Va 14°40' E.

16.20 Ravine course SE.

4000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
+ 24 × 12 in deep for 1/4
sec cor.

8000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 × 12 in deep for
corner to secs. 4, 5, 32
& 33, Drove marked
Pine stake 2 × 2 × 24 in.
in S E pit
East half broken, 2nd rate
West half, rolling, dark
clay loam, first rate

Between Tps 31 & 32 N R 47 W

S89°35' West on true line
between secs. 5 & 32
Va 14°42' E.

4000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 × 12 in deep for 1/4 sec
corner

5090 canon course NW

6300 canon course NE.

8000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 × 12 in deep for corner
to secs. 5, 6, 31 and 32
Drove marked Pine stake
2 × 2 × 24 in. in S E pit.
Rolling Clay land
Dark Clay loam
Soil first rate

Between Tps. 31 & 32 N R 47 W.

S 89° 35' West on true line
between secs. 6 & 31
Var 14° 45' E.

31.90 Quick course NW
40.00 Deposit Chained stake
raised mound of earth
2½ ft high from pits 18+
24+12 ins. deep for 1/4
sec cor

43.90 Quick course North
76.03 Sidney & Spotted Tail road
bears NW & SE.

78.25 The corner to townships
31 and 32 North, Ranges
47 and 48 West
Surface rolling
Soil Gravelly

T. 31 N R 47 W.

General Description

This township is considerably rolling & broken on the West side. In the middle, and on the East side there is good farm land. There is a creek which courses Eastward through the S E part of the township which has water in holes.

In the NW corner, in secs. 5 and 6 is some good pine timber

Between Tps 31 & 32 N. R 48 W.

From the established corner to Townships 31 & 32 North Ranges 47 & 48 W. I run West on a random line between said Townships Va 14°45' E,

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 79 chains and 65 links to a point 3,45 chs North of the corner to townships 31 and 32 North, Ranges 48 & 49 West

The correction for my true line will therefore 5 7½ links South per mile for my true Course N. 89°35' East.

Between Tps 31 & 32 N R 48 W

From the established corner to Townships 31 & 32 North Ranges 48 & 49 W. I run N. 89°35' East on true line between Secs 6 & 31 Va 15°55' E,

6,55 Chadron creek 10 lks wide and 6 inches deep runs North

9,15 Ravine course N.W.

39,65 Deposit chained stake set a Pine post 3+3 in 4 ft 1 ft. deep, raised mound of earth 2½ ft. high from pits 18+24+12 in deep for 1/4 sec cor, from which a Pine 20 in diam bears North 32 lks. dist

79,65 Deposit chained stake set Pine post 3+3 in 4 ft. 1 ft. deep raised mound of earth 2½ ft high from pits 18+24+12 in deep for corner to Secs 5, 6, 31 and 32 from

which a Pine tree 14 in
diam bears, S 55½° East
105 links distant
Surface rolling
and broken — Soil
thirdrate
Pine trees in gulches
and on hillsides

Between Tps 31 & 32 N R 48 W

N 89° 35' East on true line
between secs 5 & 32
Va 15° 51' E.

2240 Cañon course North
4000 Deposit charred stake
Set Pine post 3 + 3 in 4 ft.
1 ft deep raised mound of earth
2½ ft high from pits 18 + 24
+ 12 in. deep for 1/4 sec cor
8000 Deposit charred stake
Set Pine post 3 + 3 in 4 ft. 1 ft
deep, raised mound of earth
2½ ft high from pits 18 +
24 + 12 in. deep for Corner
to secs. 4, 5, 32 & 33
Surface rough & broken
Soil thirdrate
Pine trees in gulches
and Cañons

32 N.

Between Tps 31 & 32 N R 48 W

N 89° 35' East on true line
between secs. 4 & 33
Va 15° 30' E.

40,00 Deposit chained stake and
~~raised mound of earth~~
Set Pine post 3+3 in 4 ft.
1 ft. deep raised mound of
earth 2½ ft high from
pits 18+24+12 in. deep for
1/4 sec cor

80,00 Deposit chained stake
Set Pine post 3+3 in 4 ft.
1 ft. deep raised mound
of earth 2½ ft high
from pits 18+24+12 in
deep for corner to secs
3, 4, 33 and 34 from
which a Pine tree
18 in. diam bears S 70° E,
136 lks distant
a Pine 10 in. diam bears
S 5½° W. 102 lks. dist.
Surface gently rolling
Dark loam, first rate

Between Tps 31 & 32 N R 48 W

N 89° 35' East on true line
between secs. 3 and 34
Va 15° 18' E.

40,00 Deposit chained stake
Set Boxelder post 2+3 in 4 ft.
1 ft deep raised mound of earth
2½ ft high from pits 18+24
+12 in deep for 1/4 sec cor
from which an Ash 8 in. diam
bears S. 72° E. 29 lks. dist

42,10 Bordeau Creek 5 lks
wide runs North

80,00 Deposit chained stake
~~raised mound of earth 2½~~
~~Set~~ Pine post 3+3 in 4 ft. 1 ft
deep raised mound of earth
2½ ft high from pits 18+24
+12 in. deep for corner
to secs. 2, 3, 34 and 35
Surface broken
Soil third rate
Pine Ash & Boxelder
trees along Cañons
and hillsides

Between Tps. 31 and 32 N. R 48 W.

N 89° 35' East on true line
between Secs. 2 & 35
Va 15° E—

8,00 Dry creek course North
water found in holes.

4000 Deposit charred stake
Set Pine post 2×3 in 4 ft. 1 ft.
deep raised mound of earth
2½ ft high from pits 18+
24+12 in deep for 114 sec. cor.
from which a Pine tree 18 in
diam bears S 13° E 95 lks. dist.

8000 Deposit charred stake
~~raised mound of earth 2~~
Set Pine post 3×3 in 4 ft. 1 ft.
raised mound of earth 2½
ft. high from pits 18+24+12
in. deep for corner to secs.
1, 2, 35 and 36
Surface broken
Soil thirdrate
Pine timber in
gulches—

Between Tps. 31 & 32 N R 48 W.

N 89° 35' East on true line
between Secs. 1 and 36
Va 14° 45' E.

1550 Indian Trail bears nearly S E.

4000 Deposit charred stake,
Set Pine post 3×3 in. 4 ft. 1 ft.
deep raised mound of earth
2½ ft high from pits 18+24
+12 in. deep for 114 sec. cor.

44.30 Cañon course North

8000 The corner to Townships
31 and 32 N Ranges. 47
and 48 West
Surface rough & broken
Soil thirdrate
Cañons filled with
Pine timber

November 2d 1878

T. 31 N R 48 W

General Description

This township is broken by deep cañons and ravines. There is some good land along the South and West boundaries on the divides, between the cañons.
There is Pine timber along the North boundary. The township is watered in the West by Chadron Creek and in the middle by Little Bordeau Creek

Between Ranges 47 and 48 W. T. 32 N.

From the established corner to Townships 31 and 32 North Ranges 47 & 48 West I run North on the range line between Secs. 31 and 36
Var. 14°45' E.

4.10	Sidney & Spotted Tail road bears NW + SE
30.50	Gulch course SE
40.00	Deposit charred stake Set Pine post 3×3 in. 4 ft. 1 ft. deep raised mound of earth 2½ ft high from pits 18×24 ×12 in. deep for 1/4 sec cor from which a Pine tree 18 in diam bears S. 25½ W. 21 lks. dist a Pine 18 in. diam bears S 61¼ W. 28 lks. dist.
54.00	Cañon course NW.
80.00	Deposit charred stake Set an Ash post 4×4 in 4 ft. 1 ft. deep raised mound of earth 2½ ft high from

pits 18×24×12 in deep
for corner to secs. 30, 31
25 and 36 from which
A Pine tree 24 in. diam.
bears S88°E. 70 lks. dist.
A. Pine tree 18 in. diam.
bears N86½°W. 54 lks. dist.
A Pine 16 in. diam bears.
S82¼°W 57 lks. distant
Surface rough & broken
White earth land
Soil thirdrate
Pine timber in
Cañons and gulches.

Between Ranges 47 & 48 W T. 32 N

North between Secs. 25 & 30
Va 14°45' E.

31.50 Cañon course SW
40.00 Deposit charred stake
Set Pine post 3×3 in 4 ft.
1 ft. deep raised mound of earth
2½ ft. deep from pits 18×24
×12 in. deep for 1/4 sec cor
80.00 Deposit charred stake
Set Pine post 4×4 in 4 ft.
1 ft. deep raised mound
of Earth 2½ ft high from
pits 18×24×12 in deep
for corner to secs. 19, 30
24 and 25
Surface rolling & broken
Soil thirdrate
Pine timber in Cañons

Between Ranges 47 & 48 T. 32 N

North between secs. 19 & 24
Va 14° 35' E.

4000 Deposit charred stake
~~raised mound of earth~~
Set Pine post 3×3 in. 4 ft
1 ft deep raised mound of
earth 2½ ft high from
pits 18+24+12 in deep
for 1/4 sec cor
4100 Cañon course NW.
5200 Cañon course NW
7600 Cañon course NW
8000 Deposit charred stake
~~raised mound of~~ Set Pine
post 4×4 in. 4 ft. 1 ft. deep
raised mound of earth
2½ ft high from pits 18
+24+12 in deep
for corner to secs. 18,
19, 13 and 24 from which a Pine
~~bears~~ 14 in diam bears
S 62° E. 76 lks. dist
Surface rough & broken
Soil third rate
Pine timber & canons.

Between Ranges 47 & 48 W. S. 32 N.

North between Secs 13 & 18
Va 14° 35' E

4000 Deposit charred stake
Set Pine post 3×3 in 4 ft.
1 ft deep raised mound of
earth 2½ ft. high from
pits 18+24+12 in deep
for 1/4 sec cor
67.75 Cañon course NW
74.75 Cañon course SW.
8000 Deposit charred stake, Set
Pine post 3×3 in 4 ft. 1 ft.
deep raised mound of
2½ ft high from pits 18+
24+12 in. deep for corner
to secs. 7, 18, 12 and 13
Surface rough & broken
Soil third rate
Gulches & canons are
full of Pine timber

Between Ranges 47 & 48 W. & T. 32 N

North between Secs 7 & 12
Va = 14°39' E

4000 Deposit chamed stake
Set Pine post 3x3 in 4 ft.
1 ft. deep raised mound
of earth 2½ ft high from
pits 18+24+12 in deep
for 1/4 sec cor

6100 Gulch course SW

7800 Gulch course SW.

8000 Deposit chamed stake
Set Pine post 4x4 in. 4 ft.
1 ft. deep raised mound of
earth 2½ ft high from
pits 18+24+12 in. deep
for corner to secs. 6.7.1 & 12
from which a Pine tree 8 in
diam. bears S 41¼° E. 57 lks. dist
A Pine 6 in. diam bears
S 85½° W. 30 lks. dist
Surface, rough & broken
Soil Third rate
Pine timber in Canons

Between Ranges 47 & 48 W. & T. 32 N

North between Secs 1 & 6
Va = 14°45' E.

4000 Deposit chamed stake
Set Pine post 3x3 in. 4 ft.
1 ft. deep raised mound of
earth 2½ ft high from
pits 18+24+12 in. deep
for 1/4 sec cor.

7 5.95 Intersect 8th Standard
Parallel 5 chains and
37 links East of the Standard
corner to secs 31 and 32 in
T. 33 N R 47 W. and
Deposit chamed stake, set
Pine post 4x4 in. 4 ft. 1 ft. deep
raised mound of earth 2½
ft high from pits 18+24
+12 in deep for Closing
corner to Townships 32
& 33 N. Ranges 47 & 48 West
Surface rolling and
broken, Soil, third rate

November 3rd 1878

T. 37 N R 47 W

General Description

This township is watered by Big Bordeaux Creek in the North part. The valley is about One half mile wide. There is some good land along the Creek. There is Pine Timber in the Cañons and on the hills in the NW part. The timber line runs from the NE to the SW. There is some good land in the prairie portion of the township. The surface is rolling

General Description

This Tp. is watered by Chadron Creek on the West boundary & by tributaries of Bordeaux Creek in the Center. The water is cool & clear, the surface is broken by deep canons with very abrupt banks which make them difficult to cross. There is a large amount of timber in this Township chiefly of Pine which is quite evenly distributed. The soil on the broad divide is of first rate quality

General Land Office • Original Field Notes

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The images in this file are photographs of the notes of the original surveys of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The original surveys in Nebraska began in the mid 1850's and were completed in the mid 1880's. The Nebraska office of the Surveyor General was closed June 30, 1886.