General Land Office • Original Field Notes

Book Number

273

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.

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T. 33-35 N.
R. 41-48 W.
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Field Notes
of the
Exterior Lines of Townships
33, 34 and 35 North of
Ranges 41 and 42 West
and
T. 33 N. R 44 West of the
6th Principal Meridian Neb
Surveyed by Robert Harvey
under Contract No. 109 dated
July 31 1878

Survey Commenced Nov 9 1878
Survey Completed Nov 20 1878

North Bound ½ of State.

	48.	47.	46.	45.	44.	43.	42.	41.
T. 35		283.	220.	177	141	111	63.	29.
	275	265	211	174	109	100	56.	22.
T. 34		258	204	166	132	91.	49.	16.
	259	241.	193.	158	124	74	42	8
T. 33		232	183.	147.	118	67.	35.	1

Frank Simons Contract No 6 1882

Contract No 7 H. Fairfield 1882

Joseph Contract No. 109 Harvey 1878

Contract 42 Roberts

Red = Harvey
Blue – Fairfield
Black -- Wood

Ranges 47 + 48 W
see page 229 B

Between Ranges 41 + 42 W.B.M.

From the established Cor
to Townships 33 North
Ranges 41 and 42 W on the
8th Standard Parallel I ru
North on the range li
between secs 31 + 3 6
Va 14° 19' 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. 30, 31, 25
and 36. Drove marked
Cedar Stake 2 + 2 + 24 in.
in S E pit
South half rolling
Soil good second dra
North half undulatin
Black, sandy loam
Soil first rate

Between Ranges 41 + 42 W T 33 N

North between secs 25 + 30
Va 14° 31' E

20.25 Grand Island + Black Hills
road bears NW + SE

32.75 West branch of Antelope
creek, 20 lks wide runs 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.~~ 19, 30
24 and 25. Drove
marked Cedar stake, 2 + 2 +
24 in in S E pit
Dark clay + sandy loam
Soil first rate

Between Ranges 41 & 42 W.T. 33 N

North between Secs. 19 & 24
Va 14° 19' E.

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

6800 Drain course SE

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 x 2 x 24 in. in S E pit
South half rolling
Soil good second rate
North half black loam
Soil first rate

Between Ranges 41 & 42 W.T. 33 N

North between Secs. 13 & 18
Va 14° 16' E

29.50 Dry creek 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

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 S E pit
Surface undulating
Soil, black loam, 1st rate

Between Ranges 41 and 42 W.P. 33 N

North between Secs. 7 & 12
Var 14° 10' E.

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

8000 Deposit chained stake and
raised mound of earth
2½ ft high from pits 18
+ 2 + 12 in. deep for corner
to secs 6, 7, 1 and 12
Surface rolling
Dark loam first rate

Between Ranges 41 & 42 W.P. 33 N

North between Secs 1 & 6
Var 14° 16' E

.35 Drain course S.E.
4000 Deposit chained stake
raised mound of earth 2½
ft high from pits 18 + 2 ft +
12 in. deep for 1/4 sec cor
8000 Deposit chained stake and
raised mound of earth
2½ ft high from pits 18
+ 2 + 12 in. deep for
corner to Township 33
and 34 N Ranges 41 & 42
W. Drove marked Red
Cedar stake 2 + 2 + 2 + in
in S.E. pit
Rolling dark clay soil
Land first rate

Between Tps 33 & 34 N Ranges 41 W

From the established corner to Townships 33 & 34 North Ranges 41 & 42 W. I run East on a random line between said Townships

Va 14° 18' E.

I set temporary half mile and mile posts at every 40 and 80 chs. and at 6 miles and 26 links to a point 21.64 chs South of the corner to Townships 33 & 34 N Ranges 40 and 41 W.

The Correction for the true line will therefore be 26 chs E. & 44 chs. North per mile w/ my true Course S. 89° 41' W.

Between Tps 33 & 34 N R 41 West

From the established corner to Townships 33 & 34 North Ranges 40 & 41 West I run S 89° 41' West on true line between Secs 1 and 36

Va 14° 45' E.

4000 Deposit charred stake raised mound of earth 2 1/2 ft. high from pits 18 + 24 + 12 in. deep for 114

see 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 30, 31, 25 and 36

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

East 15 chs. Sandy Knolls

Soil third rate

balance level first rate

Between Tps 33 & 34 N R. 41 W.

S 89°41' West on true line
between secs. 2 & 35
Va 14°45' 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. 2, 3, 34
and 35. Drove marked
Red Cedar stake 2 + 2 + 24 in
in S E pit
Surface level
Dark loam. Soil fistrate

Between Tps. 33 & 34 N R 41 W.

S 89°41' West on true line
between secs. 3 & 34
Va 14°42' E'

950 Drain course S E
1600 Drain course S E
3300 Drain course S 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. 3, 4, 33 & 34
Drove marked Red Cedar stake
2 + 2 + 24 in. in S E pit
Surface gently rolling
Dark Clay Soil 2nd rate

Between Tps 33 & 34 N, R 41 W.

S 89°41' West on true line
between Secs 4 & 33
Va 14°42' E.

4000 Deposit chamed stake
raised mound of earth
2½ ft high from pits 18 x
2½ + 12 in deep for 114
See cor.

6875 Drain course S E.

8000 Deposit chamed stake
raised mound of earth
2½ ft high from pits 18
x 2½ + 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
Surface gently rolling
Dark soil, secondrate

Between Tps 33 & 34 N, R 41 W

S 89°41' West on true line
between Secs 5 & 32
Va 14°39' E.

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

6030 Ravine course S E

8000 Deposit chamed stake
raised mound of earth
2½ ft high from pits 18 x 2½
+ 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
Gently rolling surface
Dark Clay loam
Soil first rate

Between Tps. 33 & 34 N R 41 W.

S 89°41' West on true line between secs 6 & 31
Va 14°39' E.

1,50 Drain course SE
24,00 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
80,26 The corner to Townships 33 and 34 N, Ranges 41 and 42 West.
Land gently rolling
Soil clay, Secondrate

T. 33 N R 41 W

General Description

This is an excellent township the surface is undulating or gently rolling, with a gentle South slope. The South half is deep rich, black loamy soil. The North half is not so good but has dark soil with clay subsoil and is good secondrate land generally. Antelope creek in this township is a deep ravine with many deep holes of good clear water. Banks smooth and grassy ~~and easily~~. There is no timber in the township but a few small bunches of White Willow along the creek. There is but little waste land in the township and it would support a large settlement and should be subdivided.

Between Ranges 41 & 42 W. T. 34 N.

From the established corner
to townships 33 and 34 N
Ranges 41 & 42 W. I run
North on the range line
between secs. 31 & 36
Va 14° 10' 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 & 36
Drove marked Pine stake
2 + 2 + 24 in. in S.E. pit
Gently rolling surface
Soil good secondrate

Between Ranges 41 & 42 W. T. 34 N.

North between secs. 25 & 30
Va 14° 25' 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. 19, 30, 24
and 25, Drove marked
Pine Stake 2 + 2 + 24 in
in S.E. pit
Gently rolling surface
Dark clay loam
Soil good secondrate

Between Ranges 41 & 42 W. T. 34 N

North between secs 19 & 24
Va 14° 35' E

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

4350 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. 18, 19, 13 and 24 - Drove marked Red Cedar stake 2 + 2 + 24 in in SE pit
Gently rolling Clayland Soil, good second rate

November 9th 1878

Between Ranges 41 & 42 W. T. 34 N

North between secs. 13 & 18
Va 14° 35' 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 and raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for ~~44~~ ~~Corner~~ to secs. 7, 18 12 and 13. Drove marked Red Cedar stake 2 + 2 + 24 in, in SE pit
Gently rolling Clayland Soil second rate

Between Ranges 41 & 42 W. T. 34 N.

North between Secs 7 & 12
Va 14° 35' E

700 Drain course SE
3200 Leave upland and enter
valley bears NW & 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. 6, 7, 1 and 12
Drove marked Hackberry
stake 2 × 2 × 24 in in SE pit
Valley land clay and
sandy loam. 1st rate
Upland gently rolling
Soil good second rate

Between Ranges 41 & 42 W. T. 34 N.

North between Secs 1 and 6
Va 14° 30' E

35.00 Leave valley and enter low
rolling hills 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
8000 Deposit charred stake
raised mound of earth 2½
ft high from pits 18 × 24
× 12 in deep for corner
to townships 34 & 35 N.
Ranges 41 and 42 W.
Drove marked Red Cedar
stake 2 × 2 × 24 in. in SE pit
Valley first rate
balance sandy second rate

Between Tps 34 & 35 N. R 41 W.

From the established corner to townships 34 & 35 North Ranges 41 & 42 W. I run East on a random line between said Township Va 14° 30' E.

I set temporary half mile and mile posts at every 40 and 80 chs and at 5 miles 79 chains and 25 links to a point 43 links North of the corner to Tps 34 and 35 N. Ranges 40 & 41 W. Found P in M township corner Cottonwood post 4 x 4 inches

The correction for the true line will therefore be 75 links West and 7 links South per mile new my true Course N. 89° 57' W

Between Tps. 34 & 35 N R 41 W.

From the established corner to townships 34 & 35 North Ranges 40 & 41 W. I run N. 89° 57' West on true line between sees 1 & 36 Va 14° 30' E

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

8000 Deposit chanedstake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to sees. 1, 2, 35 and 36, Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit Rough broken Sandhills Soil worthless thirdrate

Between Tps 34 & 35 N R 41 W.

N 89° 57' West on true line between secs. 2 & 35
Va 14° 30' 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

50.00 Leave hills and enter valley bears N & South

77.00 Leave valley and enter low hills bears N & S.

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 SE pit. Valley, firstrate rich dark loam. tall grass. Soil on upland thirdrate

Between Tps. 34 & 35 N R 41 W.

N 89° 57' West on true line between secs 3 & 34
Va 14° 24' 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 raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for corner to secs. 3, 4, 33 & 34 Drove marked Red Cedar post 2 × 2 × 24 in in SE pit. Surface gently rolling medium dark soil thirdrate

Between Tps. 34 & 35 N R 41 W

N 89° 57' West on true line
between Secs 4 & 33
Va 14° 15' E

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

5 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 Red Cedar stake
2 x 2 x 24 in. in S.E. pit
Surface gently rolling
Medium dark
Clay soil 2nd rate

7
8

Between Tps. 34 & 35 N R 41 W.

N 89° 57' West on true line
between Secs 5 & 32
Va 14° 12' 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 & 32
Drove marked Red Cedar stake
2 x 2 x 24 in. in N.E. pit
Gently rolling surface
Medium dark sandy
soil third rate

25. 27.

Between Tps. 34 and 35 N R 41 W

N 89° 57' West on true line between secs 6 and 31
Va 14° 12' E.

4	40	4000	Deposit charred stake, raised mound of earth 2 1/2 ft. high from pits 18 24 x 12 in deep for 114 sec cor
5	80	79.25	The corner to township 34 and 35 N Ranges 41 and 42 West Gently rolling surface Medium dark sand soil, thin drate

T. 34 N R 41 W

General Description

This township is destitute of wood and water. The soil on the West half of the township is dark clay, and of good quality The surface is gently rolling

A range of Sandhills extends from the Southeast to the Northwest — these are of poor quality and unfit for agriculture, but produce a good growth of grass —

Between Ranges 41 & 42 W T 35 N

From the established corner to Townships 34 & 35 N Ranges 41 and 42 West I run North on the range line between secs. 31 & 36
Va 14° 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.

5000 Leave gently rolling clay land and enter sand hills bears East and West

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 Adar stake 2 × 2 × 24 in. in S Epit
Valley gently rolling third rate
Upland Sand hills worthless - third rate

Between Ranges 41 and 42 W T 35 N

North between Secs. 25 and 30
Va 14° 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.

4500 Leave Upland and enter valley bears E and W.

51.70 Wet boggy marsh bears East and West. I cannot continue line across the marsh therefore I offset 23.00 chs. West to a point thence

91.50 North to a point thence 23.00 chs. East to line between secs 19 and 24 and to 51.70 add 39.80 the distance on offset makes 91.50 chs. the point for corner to secs. 19, 30, 24 and 25 falling in marsh, it cannot, therefore be established, hence at

this point I
Deposit charred stake
raised mound of earth
2½ ft. high from pits
18 x 24 x 12 in. deep for ~~corne~~
Witness corner to secs
19, 30, 24 and 25. Drove
marked Red cedar stake
2 x 2 x 24 in in S E pit. 11.50
Valley land third rate
Sandhills, worthless
Marsh lies mostly
in secs. 19 & 30

Between Ranges 41 & 42 W T. 35 N.

North between secs 19 & 24
Va 14°05' E,
To 11,50 chs. distance in
Marsh add 28.50 chs. makes
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, Entr
Sandhills at 1/4 sec cor
60,64 Intersect North Boundary
of the State at a point
14.05 chains East of the
130th mile post, which
I found to be a Cottonwood
post in mound, Post
rotted off. I reset stake
and rebuild the mound
At point of intersection
Deposit charred
stake raised
mound of earth 2½
ft. high, from pits
18 x 24 x 12 in deep

for Closing Corner
to Townships 35 North
Ranges 41 & 42 West
on the North boundary
of the State &
Drive marked Red Cedar
stake 2 x 2 x 24 in in
S & pit.
Sand hills worthless
Third rate
Balance good
soil third rate

November 10th 1878

T. 35 N R 41 W

General Description

This township has a
rolling uneven surface
about One half the
township is good
for farming purposes
the best being in the
Southern part of the
township. There are
Sand hills in the North
East corner and along
the North boundary

Between Ranges 42 & 43 W. P. 33 N.

From the established corner
to township 33 N Range 42
& 43 W. I run
North on the range line
between Secs 31 and 36
Va 15° 07' 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. 30, 31, 25 and 36
Drove marked Red Cedar post
2+2+24 in. in S. pit
Rolling clay & sandy land
Soil fine loam

Between Ranges 42 & 43 W. P. 33 N.

North between Secs. 25 & 30
Va 15° 07' E.
40.00 Deposit charred stake
raised mound of earth
2½ ft high from pits 18+
24+12 in. deep for 1/4
Sec corner
72.10 Drain course East
75.75 Same drain course East
77.50 Same 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+2+24 in. in S. pit
South half rolling 2nd rate
North half level good 2nd rate

Between Ranges 42 & 43 W. 3rd P.

North between Secs. 19 & 24
Va 14° 57' 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
54.50	Dry bed of Antelope Creek course East
80.00	Deposit chained 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 S E pit

South half gently rolling 2nd rate
North half level Black Soil, first rate, tall heavy Blue joint grass. Along the Creek, good hay

Between Ranges 42 & 43 W. 3rd P. N

North between Secs. 18 & 19
Va 14° 43' 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 the corner to Secs. 7, 18, 12 and 13. Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit.

Surface level
Black Soil 1st rate
Good tall grass

Between Ranges 42 & 43 W. T. 33 N.

North between secs 7 & 12
Va 14° 43' E.

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

5100 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 6, 7, 1 and 12
Drove marked Red Cedar stake 2 × 2 × 24 in. in S.E. pit
Surface gently undulating
South half Pistrule
North half Second rate

Between Ranges 42 & 43 W. T. 33 N.

North between secs 1 & 6
Va 14° 40' E.

800 Ravine course S.E.

33.00 Same raine 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

78.77 Grand Island and Black Hills road bears NW & S.E.

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in deep for corner to Townships 33 and 34 N. Ranges 42 & 43 West. Drove marked Red Cedar stake 2 × 2 × 24 in. in S.E. pit
Surface gently rolling

Between Tps. 33 & 34 N R 42 W

From the established Corner to townships 33 & 34 North Ranges 42 & 43 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 chs and at 5 miles 79 chains and 65 links to a point 102 links South of the corner to townships 33 & 34 N Ranges 41 and 42 W.

The correction for the true line will therefore be 35 links West and 17 links North per mile and my true Course S 89° 53' West.

Between Tps 33 & 34 N R 42 W

From the established corner to townships 33 & 34 N. Ranges 41 and 42 W. I run S. 89° 53' West on true line between secs. 1 & 36 Va 14° 39' E

2800 Ravine course SW

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

6880 Drain course SW

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 & 2 & 24 in in & Epit Surface rolling & broken, Soil 2nd rate

Between Tps. 33 & 34 N R 42 W.

S. 89°53' West on true line between sees 2 and 35
Va 14°45' E.

1.15 Ravine 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.
58.80 Drain course South
6840 Drain course South
8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for corner to sees. 2, 3, 34 and 35. Drove marked Red Cedar stake 2 + 2 + 24 in in S E pit
Surface rolling & broken
Soil secondrate.

Between Tps. 33 & 34 N R 42 W.

S. 89°53' West on true line between sees 3 & 34
Va 14°51' E.

2240 Drain course South
3900 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
53,40 Drain course South
8000 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to sees. 3, 4, 33 and 34
Drove marked Red Cedar stake 2 + 2 + 24 in. in S E pit
Surface rolling
Soil secondrate

November 13th 1878

Between Tps 33 & 34 N. R 42 W

S 89° 53' West on true line
between Secs 4 & 33
Va 15° E.

2325	Drain course SE
3800	Drain course SE
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. 4, 5, 32 and 33. Drove marked Red Cedar stake 2 + 2 + 24 in. in SE pit

Rolling & broken by ravines
Soil dark loam
Second rate

Between Tps 33 & 34 N. R 42 W.

S. 89° 53' West on true line
between Secs. 5 & 32
Va 15° E.

2330	Drain course SE.
4050	Deposit charred stake and raised mound of earth 2½ ft high from pits 18 + 2½ + 12 in deep for 1/4 sec cor.
4780	Drain course SE
6180	Drain course SE
8000	Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 2½ + 12 in deep for Corner to secs. 5, 6, 31 and 32 Drove marked Red Cedar stake 2 + 2 + 24 in in SE pit

Rolling, some broken by Ravines. Soil good second rate

Between Tps. 33 & 34 N R 42 W

S. 89° 53' West on true line between secs. 6 & 31
Va 15° E.

23.50 Drain course South
2920 Drain course SE
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
6120 Drain course SW
6330 Drain course SE
79.65 The corner to townships 33 and 34 N Ranges 42 and 43 West
Rolling Clay land
Soil good 2nd rate

November 14th 1878

T. 33 N R 42 W.

General Description

This township is watered by Antelope Creek which courses East through the middle of the township
It has running water in the Eastern part, but in the Western part only large holes of good water fed by Springs. The land stopes from the North and South towards the creek. The soil is generally a deep rich clay and will make excellent farming
The township is destitute of timber

Between Ranges 42 & 43 W. T. 34 N.

From the established Corner to townships 33 & 34 North Ranges 42 & 43 W. I run North on the range line between secs 31 & 36
Va 15° E.

30.43 The grave of G. C. Forsdick killed by Indians June 11th 1877 Veons West 4.92 chains

40.00 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~~ 1/4 sec. cor.

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 30, 31, 25 & 36 Drove marked Red Cedar stake 2 x 2 x 24 in. in S Epit Rolling Clay land Soil, good Secondrate

Between Ranges 42 & 43 W. T. 34 N.

North between secs 25 & 30
Va 14° 51' E.

4.40 Drain course East

34.70 Drain course N E

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

55.30 Drain course N E

66.10 Drain course East

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. 19, 30 24 and 25. Drove marked Red Cedar stake 2 x 2 x 24 in deep in S Epit Rolling & broken by ravines Soil Clay loam Secondrate

Between Ranges 42 & 43 W. T. 34 N.

North between Secs. 19 & 24
Va 14° 39' E.

23.00 Drain course East
39.00 Drain course S. E.
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 in. deep for 114 sec cor.
76.00 Ravine course NW.
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 Red Cedar stake 2 & 2 & 24 in. in S E pit
Surface rolling
Good Clay soil 2nd rate

Between Ranges 42 & 43 W. T. 34 N.

North between Secs. 13 & 18
Va 14° 39' E.

23.00 Drain course NW.
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 in. deep for 114 sec cor
68.50 Drain course 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 Red Cedar stake 2 & 2 & 24 in. in S E pit
Rolling Clay land
Soil, good second rate

Between Ranges 42 & 43 W.T. 34 N.

North between secs. 7 & 12
Va 14° 39' E.

8.00 Ravine course N.W.
31.70 Wounded Knee creek course East. water found only in holes
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 114 sec cor
64.40 Dry creek 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. 6, 7, 1 and 12. Drove marked Red Cedar stake in S.E. pit.
Surface valling & broken Soil Third rate

Between Ranges 42 & 43 W.T. 34 N.

North between secs. 1 & 6
Va 14° 36' E.

~~49.70 Creek 25 lks wide runs E.~~
~~51.40 Wounded Knee creek 20 lks wide runs N.W.~~
~~52.40 Same creek 10 lks wide runs N.E.~~
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for 114 sec cor.
49.70 Creek 25 lks. wide runs E.
51.40 Wounded Knee creek, 20 lks wide runs N.W.
52.40 Same creek 10 lks wide runs N.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 Townships 34 & 35 North Ranges 42 & 43 West, Drove marked Red Cedar stake 2 x 2 x 24 in in S.E. pit. Surface broken 3rd rate

Between Tps 34 & 35 N R 42 W

From the established corner to Townships 34 & 35 North Ranges 42 & 43 W. I run East on a random line between ~~and~~ townships
Va 14° 40' E.

I set temporary half mile and Mile posts at every 40 and 80 chs and at 5 miles 79 chains and 90 lks to a point 1.26 chains South of the corner to townships 34 and 35 North Ranges 41 and 42 West

The correction for the true line will therefore be 10 links West and 21 lks North per mile on my true course S. 89° 57' West.

Between Tps 34 & 35 N R 42 W.

From the established corner to townships 34 & 35 North Ranges 41 and 42 W. I run S 89° 57' West on true line between ~~Secs.~~ 1 and 36
Va 14° 05' 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.
60.65	Drain Course Wet
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 and 36.
	Bore marked Red Cedar stake 2 + 2 + 24 in. in S E pit.
	Undulating surface dark sandy loam soil second rate

Between Tps. 34 & 35 N R 42 W.

S 89°51' West on true line between secs 2 & 35
Va 14°20' 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. 2, 3, 34 and 35 ~~Drove marked Red Cedar 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 Red Cedar stake 2 x 2 x 24 in ~~deep for~~ in S.E. pit.
Surface gently rolling
Dark sandy soil 2nd rate

Between Tps. 34 & 35 N R 42 W.

S 89°51' West on true line between secs. 3 & 34
Va 14°30' E.

27.25 Ravine course N 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.
6445 Ravine 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. 3, 4, 33 & 34
Drove marked ~~Red Cedar~~ Bar Elder stake 2 x 2 x 24 in in S E pit
Undulating surface
Clay & sandy soil
Good second rate

Between Tps 34 & 35 N. R 42 W.

S 89°51' West on true line between secs. 4 & 33
Va 14°27' E.

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

78.25 Drain 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 & 33
Drove marked Pine stake 2 + 2 + 24 in. in S E pit
Rolling Clay & Sandy Soil good second rate

Between Tps 34 & 35 N R 42 W.

S 89°51' West on true line between secs. 5 and 32
Va 14°27' E.

21.60 Ravine course N E
28.90 Ravine course N E
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 114 sec. cor.

73.80 Ravine course NW
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 & 32
Drove marked Pine stake 2 + 2 + 24 in in S E pit. from this corner A Pine 16 in diam bears S. 25½° E. 30 lks. dist. A Pine 20 in in diam bears S 13° W. 83 lks. dist. A Pine 14 in. diam. bears N. 38° E 138 lks. dist - A Pine 8 in diam bears N 73° W. 75 lks dist
Rolling & broken, third rate

Pine trees in gulches

Between Tps 34 & 35 N R 42 W.

S 89°51' West on true line between secs. 6 & 31
Va 14°21' E.

11.35 Dry creek course NW
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 in. deep for 1/4 sec cor
49.75 Wounded Knee creek 10 lks wide runs N E
69.40 A creek 10 lks wide runs North
73.70 Same creek 7 lks wide runs SE
79.90 The corner to township 34 and 35 N Ranges 42 & 43 West
Surface rolling & broken by creeks and Cañons
Soil third rate

November 16th 1878

T. 34 N R 42 W

General Description

This township is rolling dark Clay loam There is a high Divide extending East and West for four miles through the Northern part of the township forming the water shed between Antelope and Wounded Knee creeks. The township is watered in the North Western part by Wounded Knee creek There is some Elm Ash and Pine timber along the creek

Between Ranges 42 & 43 W. T. 35 N

From the established corner to townships. 34 & 35 N, Ranges 42 & 43 W. I run North on the range line between secs. 31 & 36
Va 14°12' E.

11,50 Cañon course SE
4000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 114 sec cor.
44,20 Cañon 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 Pine stake 2 × 2 × 24 in in SE pit
Surface broken by Cañons
Soil third rate

Between Ranges 42 & 43 W. T. 35 N

North between secs. 25 & 30
Va 14°12' E.

13,70 Drain course East
18,90 Wagon trail bears NW & SE
40,00 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. 19, 30, 24 & 25
Drove marked Pine stake 2 × 2 × 24 in in SE pit
South 11 chs rolling, 3rd rate
North 69 chs gently rolling dark clay & sandy
Soil good second rate

Between Ranges 42 & 43 W, T 35 N.

North between Secs, 19 & 24
Va 14° 12' E.

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

61.38 Intersect the North boundary of the State 10.61 chs East of the 136th mile post Deposit charred stake raised mound of earth 2½ ft high from pits 18 & 24 x 12 in deep for Closing Corner to Townships 35 N. Ranges 42 & 43 West Drove marked Pine stake 2 x 2 x 24 in in S & pit

November 19. 1878

T 35 N R 42 W

General Description

This township is watered by Wounded Knee Creek which runs North East through the township The surface is gently rolling with a few level valleys. The soil is sandy & clayey The Sandhills in the North East and along the North boundary afford good grazing There is Boxelder Elm Ash and Pine along the creek. About One third of this township is adapted to farming and the remainder is good for grazing

Between Ranges 43 & 44 W. T. 33 N.

From the established corner to townships 33 North on the 8th Standard to Parallel N. T. Ranges 43 & 44 W. Mid run North on the range line between secs 31 & 36
Va 14° 40' 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. 30, 31, 25 and 36. Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit.
Gently rolling Clay land
Soil Secondrate

Between Ranges 43 & 44 W. T. 33 N.

North between secs. 25 & 30
Va 14° 40' E.

12.00 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.

80.00 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 and 25
Drove marked Red Cedar stake 2 x 2 x 24 in. in S E pit
Surface rolling
Soil Secondrate

Between Ranges 43 & 44 W. T. 33 N

North between Secs. 19 & 24
Va 14° 40' E.

33.70 Drain course NW.
40.00 Deposit charred stake raised mound of earth 2½ ft high from pits 18 × 24 × 12 in. deep for 1/4 sec. cor.
41.35 Same Drain course NE.
50.70 Creek course NE. water only in holes, none on line
59.40 Same creek course NW.
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 Red Cedar stake 2 × 2 × 24 in in SE pit
Surface rolling & broken
Soil Thirdrate

Between Ranges 43 & 44 W. T. 33 N

North between Secs. 13 & 18
Va 14° 40' E.

4.50 Gulch course West
21.00 Gulch course West
34.50 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.
56.40 Drain course West
80.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for ~~1/4 cor. near~~ to secs. 7, 18, 12 & 13 Drove marked Red Cedar stake 2 × 2 × 24 in in SE pit
Surface broken by short gulches
Soil Thirdrate

Between Ranges 43 & 44 W. P. 33 N.

North between secs 7 & 12
Va 14° 40' E

4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18 x 24
42 in. deep for corner
to ~~secs~~ 1/4 sec

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 E & pit
Land rough & broken
fine. runs along the
heads of short Gulches
Soil third rate

Between Ranges 43 & 44 W. P. 33 N.

North between Secs 1 & 6
Va 14° 40' 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.

6700 Track bend of creek course
~~South W~~ N ~~W~~ E

7540 Same creek 10 lks wide course ~~W~~

8000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in. deep for corner
to Townships 33 & 34 N
Ranges 43 & 44 West
Drove marked Red Cedar stake
2 x 2 x 24 in in E. pit
Valley Black loam
Soil first rate
Hills broken, third rate
Pine trees scattered
on hills

Between Tps 33 & 34 N. R 43 W.

From the established Corner to townships 33 & 34 N Ranges 43 & 44 W I run East on a random line between said Townships Vn 14° 45' E.

I set temporary half mile and mile posts at every 40 and 80 chains and at 5 miles 77 chains and 67 links to a point 1.26. chains South of the corner to Townships 33 & 34 N, Ranges 42 & 43 West

The correction for the true line will therefore be 2 chains and 33 links West and 21 links North per mile

Course S. 89° 51' West

Between Tps. 33 & 34 N. R 43 W.

From the established corner to townships 33 & 34 N Ranges 42 & 43 W. I run S 89° 51' West on true line between secs 1 & 36 Vn 14° 45' E.

45 Grand Island & B.H. road veers N W & S E

18.65 Dead mans gulch Course S W

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

42.80 Canon course S E

58.95 Canon 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 & 36

Drove marked Red Cedar stake 2 × 2 × 24 in. in S E pit

Surface broken by ravines

Soil good second rate

Between Tps. 33 & 34 N R 43 W.

S 89° 51' West on true line
between Secs. 2 & 35
Va 14° 55' E.

2.65	Cañon course S E
21.65	Cañon course S W
37.65	Cañon course S W
40.50	Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 2 + 12 in deep for 1/4 sec cor.
66.15	Cañon course S E
80.00	Deposit 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 Red Cedar stake 2 + 2 + 2 4 in, in S E pit
	Rolling & broken by cañons and gulches
	Soil, Clay, third rate

Between Tps. 33 & 34 N R 43 W.

S 89° 51' West on true line
between Secs. 3 & 34
Va 14° 54' E.

39.50	Cañon course N W
40.00	Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 2 + 12 in deep for 1/4 sec cor.
80.00	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 Red Cedar stake 2 + 2 + 2 4 in in S E pit
	Surface rolling
	Clay soil good 2nd rate

Between Tps. 33 & 34 N. R 43 W.

S 89° 51' West on true line between secs 4 & 33
Va 14° 54' E.

1.85 Canon course NW
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 114 sec cor.
64.25 Dry creek course South
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 & 32. Drove marked Red Cedar stake 2 × 2 × 24 in. in SE pit Rolling & broken soil thirdrate West half, sandy

Between Tps. 33 & 34 N R 43 W.

S 89° 51' West on true line between secs. 5 & 32
Va 14° 54' E.

2.15 Canon course SE
40.00 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in. deep for 114 sec cor
49.15 Dry creek course South
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. Drove marked Red Cedar stake 2 × 2 × 24 in. in SE pit From this corner A Pine tree 14 in. diam. bears N. 26° W. 40 lks distant, A Pine 20 in. diam bears S 71° W. 78 lks. distant A Pine 12 in. diam bears S 77½ E 86 links distant A Pine tree 10 in diam bears N 39° E 86 lks dist over

Surface rough & broken
by gulches & Canons
Soil thin & rate
Pine trees in gulches
at and about this
Section Corner

Between Tps. 33 & 34 N R 43 W.

S 89° 51' West on true line
between Secs. 6 & 31
Va 14° 54' E.

20,15 Gulch course South
40,00 Deposit charred stake
Set Pine post 2 x 2 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 tree 14 in. diam. bears
S 85° E 53 lks. distant
A Pine 11 in. diam. bears
N 52½° E. 53 lks. distant
45,00 Canon course S.E.
*62,65 Creek 4 lks. wide, 8 in.
deep runs N.E.
*62,70 Leave Upland and enter
Valley bears N & S.
62,95 Same creek 5 lks. wide
10 in. deep runs South
77,67 The corner to townships
33 & 34 N. Ranges 43 & 44 W.
Valley black sandy soil

good firstrate,
upland rough, & broken
Soil thirdrate
Pine trees on hills
and in gulches
Elm timber along
creek

November 20 1878

T. 33 N R 43 W

General Description

This township is
watered by small creek
in the Northwestern
part. The surface
generally gently-rolling
clay soil, and well
make good farm
land. It is somewhat
broken by canons
but the divides are
broad & rich
There is some excellent
farm land in the township
Timber: Pine in Canons
& gulches in Nev. part
also Elm and Ash
along creek in North
western part

List of Names

A list of the names of the individuals employed to assist in running & measuring the lines and corners, described in the foregoing field notes of the Exterior lines of Townships 29, 30, 31 and 32 of Ranges 41, 42, 43, 44, 45, 46, 47 and 48, Townships 33, 34 and 35 of Ranges 41 and 42, and township 33 Range 43, all North of the base line and West of the 6th Principal Meridian, showing the respective capacities in which they acted

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

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We hereby certify that we assisted Robert Harvey Deputy Surveyor in surveying and Establishing the Exterior boundaries of Townships No. 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, Township No. 33 of Range 43, All North of the Base Line and West of the 6th Principal Meridian in Nebraska, And that said Exterior Boundaries have been in all respects — To the best of our knowledge and belief — Well and faithfully surveyed and the bounda- Monuments planted according to the instructions furnished by the Surveyor General, of dimensions character Construction and Marking and in the Manner as specifically described in the foregoing field Notes

William Culbertson Chainman
David Davis Chainman
Samuel Mitton Moundsman

Max Lamende Moundsman
Elwin Turner Flagman

Signed in my presence and sworn to before me this 16th of Dec 1878
A G Kendall
Clerk Dist Court
Howard Co Nebr

I, Robert Harvey, Deputy Surveyor, do solemnly swear that in pursuance of a joint contract, wherein Nicholas J. Paul, Robert Harvey and Charles R. Starkweather are joint contractors with John R. Clarke, Surveyor General for the District of Nebraska and Iowa, bearing date the 31st day of July 1878, I have well faithfully and truly in my own proper person and in strict conformity to the Instructions furnished by the Surveyor General the Surveying Manual, and the laws of the United States, surveyed and established the Exterior lines and boundaries of townships 29, 30, 31, 32 Ranges 41, 42, 43, 44, 45, 46, 47 and 48 and Townships 33, 34 and 35 of Ranges 41 and 42 and township 33 of Range 43, all North of the Base line and West

of the Sixth Principal Meridian in Nebraska, as are represented in the foregoing field notes, as having been surveyed under my direction. And I do further solemnly swear, that all the corners of said survey, have been established and perpetuated, in strict accordance with the Surveying Manual, Printed Instructions, and Special Instructions of the Surveyor General of dimensions, character, construction and marking, and in the manner as specifically described in the foregoing field notes and that the foregoing are the true and original field notes of said survey

Robert Harvey

Subscribed in my presence and sworn to before me this 10th day of February A.D. 1879

A. G. Kendall
Clerk Disk Court

Surveyor General's Office
Plattsmouth Neb. Mar. 31st 1879

The foregoing field notes of the Survey of the Exterior lines and boundaries of Townships 29. 30. 31 and 32 Range 41 42. 43 44. 45. 46. 47 and 48 and Townships 33. 34 and 35 of Range 41 and 42 and Township 33 of Range 43. all North of the Base Line and West of the 6th Principal Meridian in the State of Nebraska executed by Robert Harvey Deputy Surveyor under Joint Contract No. 109 dated July 31st 1878 in the month of September October & November 1878. having been critically examined, the necessary corrections and explanations

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made, the said field notes
and the surveys they
describe, are hereby approved.

Wm R. Clark
Surveyor Genl.

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Contract No. 7

Field Notes
of
the Exterior Lines of
Townships 34 and 35 North
Range 43 West and
Townships 33. 34 and 35 North
Range 44 West of
the sixth Principal Meridian
by
Joseph H. Fairfield Deputy Surveyor.
Under his contract of June 6th 1882
Survey commenced June 20th 1882
Survey completed June 24th 1882

Preliminary Oath of Assistants.

I, Henry F. Baer, do solemnly swear that I will well and truly perform the duties of Axeman according to instructions given me, and to the best of my skill and ability.

Henry F. Baer

Subscribed and sworn to, before me, this 18th day of June A.D., 1882.

Charles W. Brown
Notary Public

We William H Gingery and William Picket do solemnly swear that we will faithfully execute the duties of Chain carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines; that we will assist in measuring, to the best of our skill and ability.

William H. Gingery
his
William X Picket
mark

Witness. Owen E. Ford

Subscribed and sworn to, before me, this 18th day of June A.D., 1882.

Charles W. Brown
Notary Public

I, Michael Cribbins

do solemnly swear that I will well and truly perform the duties of Moundman according to instructions given me, and to the best of my skill and ability.

Michael Cribbins

Subscribed and sworn to, before me, this 18th day of June A.D., 1882.

Charles H. Brown
Notary Public

No. 34 N. Between Ranges 43rd and 44 W. of the 6th P.M.

Chains

Before commencing the survey of the Exterior Lines in my contract I set my compass, Which is Burts Patent Improved Solar. Made by W. and L. E. Burley in 1880; At the corner to Townships 33rd and 34 North Ranges 43rd and 44 West and carefully tested it. particularly the latitude and reversing apparatus found it to be in perfect adjustment. At noon I observed for Latitude and obtained 42° 55' N.

I found the corner to Townships 33rd and 34 N. Ranges 43rd and 44 W. destroyed. The Post was gone and the pits nearly filled. I set a sandstone 26 × 10 × 6 ins. 18 ins. in the ground. For corner to Townships 33rd and 34 N. Ranges 43rd and 44 W. marked with 6 notches on each edge. dug pits

Tp. 34 N. Between Ranges 43 and 44 W. of the 6th P. M.

Chains

24×18×12 ins. lengthwise on each line N. S. E. and W. of Stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside. Thence I run ——

North Between Sections 31 and 36.

Variation 14° 22' East.

Running on creek bottom.

7.00 Leave creek bottom. Ascend S.W. slope and enter Sparse pine timber brs. E. & W.

31.00 Leave Sparse pine timber brs. E. and W.

40.00 Set a sandstone 16×12×6 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of stone. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

45.00 Top of spur from E. and descend.

51.00 Bottom of ravine descends N.W. and Ascend. enter Sparse pine timber brs. E. & W.

69.00 Top of spur from E. and descend.

Tp. 34 N. Between Ranges 43 and 44 W. of the 6th P. M.

Chains

79.00 Bottom of mountain, in Creek 2 lks. wide runs S.W. and ascend. over E. slope.

80.00 Set a Sand stone 16×10×8 ins. 11 ins. in the ground, for cor. to Secs 25. 30. 31 and 36. marked with 1 notch on S. and 5 on N. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land 73 Chs mountainous. and 7.00 level ~~broken~~

Soil 2nd rate.

Vegetation grass. Sparse pine timber.

~~73. Chs mountainous.~~ 7 Chs. ~~broken~~

North Between Sections 25 and 30.

Variation 14° 22' East.

Ascend over E. slope.

13.00 Bottom of ravine descends S.E. and ascend over W. slope.

19.00 Bottom of ravine descends S.W. and Ascend S. slope.

Do. 34 N. Between Ranges 43 and 44 W. of the 6th P. M.

Chains	
40.00	Set a sandstone 24×14×10 ins. 18 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×15×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
75.00	Top of spur from E. descend and leave sparse pine timber brs. E. and W.
80.00	Set a sandstone 22×10×4 ins. 16 ins. in the ground. for cor. to secs. 19.24. 25 and 30. marked with 2 notches S. and 4 on W. edges. dug pits 18×15×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land mountainous.

Soil 3rd rate.

Vegetation grass. sparse pine timber.

~~Sec. 6 land mountainous.~~

Do. 34 N. Between Ranges 43 and 44 W. of the 6th P. M.

Chains.	
	North Between Sections 19 and 24.
	Variation 14° 22' East.
	Descend.
16.00	Bottom of ravine descended & W. and ascend.
33.00	Top of spur from S.E. and descend.
40.00	Set a sandstone 12×12×6 ins. 9 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
64.00	Enter sparse pine timber brs. E. and W.
73.90	Bottom of mountain in creek 2 lks. wide runs N.W. and ascend & W. slope.
79.50	Top of spur from E. and descend.
80.00	Set a sandstone 16×10×4 ins. 11 ins. in the ground. for cor. to secs. 13.18.19. and 24. marked with 3 notches on S. and W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft.

Fr. 34 W. Between Ranges 43 and 44 W. of the 6th P.M.

Chains

base alongside. From which a pine 10 ins. in diam. brs. N. 33° W. 88 lks. dist. marked T. 34 R. 44 S. 13 B.T. no other trees within limits.

Land ~~rolling~~ mountainous.

Soil 3rd rate.

Vegetation grass. Sparse pine timber.

North Between Sections 13 and 18.

Variation 14° 22' East.

Descend.

7.50 Bottom of spur in creek 2 lks. wide runs W. and ascend.

30.00 Leave sparse pine timber brs. E. and W.

39.00 Top of spur from E. and descend.

40.00 Set a Limestone 10 x 10 x 5 ins. 7 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth

Fr. 34 W. Between Ranges 43 and 44 W. of the 6th P.M.

Chains

1 1/2 ft. high 3 1/2 ft. base alongside.

54.00 Enter sparse pine timber brs. E. and W.

58.50 Bottom of ravine descends W. and ascend.

65.00 Leave sparse pine timber brs. E. and W.

80.00 Set a Limestone 20 x 10 x 8 ins. 15 ins. in the ground. For cor. to secs. 7. 12. 13 and 18. marked with 4 notches on S. and 2 on N. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land mountainous.

Soil 2nd rate.

Vegetation grass. Sparse pine timber.

~~80 Chains mountainous.~~

North Between Sections 7 and 12.

Variation 14° 25' East.

Ascend.

16.00 Top of divide brs. E. and N.W.

26.50 Drain 30 lks. wide descends N.W. and ascend

Pg. 34 M. Between Ranges 43 and 44 W. of the 6th P.M.

Chains	
	S.W. slope.
37.00	Top of spur from S.E. and descend.
40.00	Set a sand stone 14×10×6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
42.50	Bottom of ravine descends N.W. & ascend.
53.00	Top of divide brs. N.W. and S.E.
75.00	Ascend S.E. slope.
80.00	Set a sand stone 22×12×10 ins. 16 ins. in the ground. for corner to sections 1. 6. 7 and 12. marked with 5 notches on S. and 1 on W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land ~~rolling and broken~~ 58.00 mountainous, 22.00 flat.
	Soil 2nd rate.

Pg. 34 M. Between Ranges 43 and 44 W. of the 6th P.M.

Chains.	
	Vegetation grass.
	North. Between Sections 1 and 6.
	Variation 14° 30' East
	Ascend.
18.00	Top of spur from N.W. and descend.
28.00	Enter sparse pine timber brs. E. and W.
34.50	Bottom of ravine descends N.E. and ascend
36.00	Leave sparse pine timber brs. E. and W.
40.00	Set a sand stone 20×12×6 ins. 15 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
43.00	Top of spur from S.W. and descend.
50.00	Enter sparse pine timber brs. E. and W.
55.00	Bottom of deep gulch descends N.W. and ascend over W. slope
60.50	Bottom of deep gulch descends N.
63.50	Leave gulch descends N.W. and ascend

Tps. 34 N. between Ranges 43rd and 44th W. of the 6th P.M.

Chains

S.W. slope.

80.00 Set a sand stone 20 x 14 x 8 ins. 15 ins. disk for cor. to Tps. 34 and 35 N. Ranges 43 and 44 W. marked with 6 notches on each edge. From which a pine 10 ins. in diam. bes. S. 10° E. 86 lks. dist. marked "T.34 R.43 S.6 B.T." A pine 3 ins. in diam. bns. S. 48° W. 38 lks. dist. marked "T.34 R.44 S.1 B.T." A pine 26 ins. in diam. bss. N. 12° E. 25 lks. dist. marked "T.35 R.43 S.31 B.T." no other trees within limits. dug pit in cor. 36. 24 x 18 x 12 ins. and raised a mound of earth along side stone.

Land mountainous.

Soil 2nd rate.

Vegetation grass & sparse pine timber.

~~80. lks. mountainous.~~

J. H. Fairfield June 20th 1882.

Between Tps. 34 and 35 N. Range 43 W. of the 6th P.M.

Chains

From the corner to Townships 34 and 35 N. Ranges 43 and 44 W. I run East on a random line between said townships, the variation of my compass being 14° 50' E. I set temporary half mile and mile corners at each 40 and 80 chains, and find the township line 5 miles 79 lks. and 16 lks. long and the falling to be 152 lks. S. of corner to Townships 34 and 35 N. Ranges 42 and 43 W. The correction for the true line will therefore be 25 lks. N. and 84 lks. W. bes. mile and its course will be S. 89° 49' W.

From the corner to Townships 34 and 35 N. Ranges 42 and 43 W. recently rebuilt. I run S. 89° 49' W. on a true line between sections 1 and 36.

Variation 14° 50' East.

Between Sec. 34 and 35 N. Range 43 W. of the 6th P.M.

Chains	
29.00	Drain 30 lks. wide descends S.
40.00	Set a sandstone 24×12×8 inc. 18 inc. in the ground. for 1/4 sec. cor. marked 1/4 on W face. dug pits 18×18×12 inc. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.00	Set a Limestone 24×16×8 inc. 18 inc. in the ground. for cor. to secs. 1. 2. 35 and 36. marked with 1 notch on E. and 5 on W. edges. dug pits 18×18×12 inc. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 2nd rate
	Vegetation grass.

S. 89° 49' W. on a true line between sections 3 and 35.

Variation 14° 50' East.

6.50	Drain 30 lks. wide descends S.

Between Sec. 34 and 35 N. Range 43 W. of the 6th P.M.

Chains	
29.75	Drain 20 lks. wide descends N.E.
40.00	Set a sandstone 20×12×4 inc. 15 inc. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 inc. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.00	Set a sandstone 22×10×6 inc. 15 inc. in the ground. for cor. to Secs. 2. 3. 34 and 35. marked with 2 notches on E. and 4 on W. edges. dug pits 18×18×12 inc. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

S. 89° 49' W. on a true line between sections 3 and 34.

Variation 14° 50' East.

40.00	Set a sandstone 20×12×8 inc. 15 inc. in

Between Rgs. 34 and 35 W. Range 43 W. of the 6th P. M.

Chains

the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18x18x12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 Set a sandstone 22x14x6 ins 16 ins. in the ground, for cor. to Secs. 3. 4. 33 and 34 marked with 3 notches on E. 1/2 & W. edges. dug pits 18x18x12 ins in each sec. 5½ ft dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

S. 89° 49' W. on a true line between sections 4 and 33.

Variation 14° 50' East.

12.50 Wagon road to Pine Ridge Agency bs. S. and N. W.

33.00 Descend W. slope of divide bra N. W. to S. E.

Between Rgs. 34 and 35 W. Range 43 W. of the 6th P. M.

Chains

40.00 Set a sand stone 14x10x4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18x18x12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

66.00 Bottom of ravine descends S. and ascend

74.50 Top of spur from W. and descend.

80.00 Set a sandstone 20x12x10 ins. 15 ins. in the ground, for cor. to Secs. 4. 5. 32 and 33 marked with 4 notches on E. and 2 on W. edges. From which a pine 24 ins. in diam. bs. N. 18° W. 90 lks dist. marked "B. 35 R. 43 S. 32 B.T."

no other trees within limits.

I dug pits in Secs. 4. 5 and 33. 18x18x12 ins. 5½ ft. dist. and raised a mound of earth alongside stone.

Land rolling.

Soil 2nd rate.

Vegetation grass sparse pine timber.

Between Tps. 34 and 35 N. Range 43 W. of the 6th P. M.

Chains

S. 89° 49' W. on a true line between Sections 5 and 32.

Variation 14° 50' East.

Descend.

2.00 Enter sparse pine timber brs. W. and S. in bottom of ravine descends S.W. and ascend.

11.25 Leave sparse pine timber brs. W. and S.

14.25 Wood road brs. W.N.W. and S.E. on Bench.

26.00 Top of spur from W. and descend.

40.00 Set a sand stone 14 x 8 x 5 ins. 10 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

61.00 Cross gulch from N.E. descend S.W. ascend and enter sparse pine timber brs. W. and S.

72.50 Top of spur from W. and descend.

Between Tps. 34 and 35 N. Range 43 W. of the 6th P. M.

Chains

80.00 Set a sand stone 14 x 10 x 7 ins. 10 ins. in the ground, for corner to Sections 5. 6. 31 and 32. marked with 5 notches on E. and 1 on W. edges. From which a pine 8 ins. in diam. brs. N. 12° W. 34 lks. dist. marked "B.35 R.43 S.31 B.T."

A pine 14 ins. in diam. brs. S. 72° W. 60 lks. dist. marked "B.34 R.43 S.6 B.T."

A pine 16 ins. in diam. brs. S. 53° E. 24 lks. dist. marked "B.34 R.43 S.5 B.T."

A pine 6 ins. in diam. brs. N. 38° E. 67 lks. dist. marked "B.35 R.43 S.32 B.T."

Land mountainous.

Soil. 2nd rate.

Vegetation grass sparse pine timber.

~~Lo chains mountainous~~.

S. 89° 49' W. on a true line between Sections 6 and 31.

Variation 14° 50' East.

Between Tps. 34 and 35 N. Range 43 W. of the 6th P. Mn.

Chains	
	Descend
10.00	Bottom of ravine descends S. and ascend.
12.00	Top of spur from N. and descend.
26.50	Bottom of mountain in Wolf creek 5 lks. wide runs N. W.
27.50	Wolf Creek 5 lks. wide runs S. W.
29.00	Wolf Creek 5 lks. wide runs N. W. and ascend.
36.00	Top of spur from S. and descend.
40.00	Set a sand stone 16 x 10 x 4 ins. 11 ins. deep. for 1/4 sec. cor. marked 1/4 on W. face. From which a pine 4 ins. in diam. brs. N. 68° E. 32 lks. dist. marked "1/4 S. B.P." A pine 28 ins. in diam. brs. S. 70° W. 120 lks. dist. marked "1/4 S. B.P."
42.00	Bottom of ravine descends S.E. and ascend.
58.00	Top of spur from S.E. and descend.
79.16	The corner to Townships 34 and 35 N. Ranges 43 and 44 W. Land mountainous.

Between Tps. 34 and 35 N. Range 43 W. of the 6th P. Mn.

Chains	
	Soil 2nd rate.
	Vegetation grass. Sparse pine timber
	~~79.16 Chs. mountainous~~

General Description

The land in Tp. 34 N. Range 43 W. is mostly broken and portions are mountainous. There is considerable pine timber of value in the southern portion. The wagon road from Sidney to Pine Ridge Agency crosses the Eastern part. Mr. Fisher has a Ranch in the N.E. part and there are several settlers in the central portion. The Vegetation consists chiefly of good grass.

Note. I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus and found it to be in perfect adjustment. Jales

Between Dps. 34 and 35 N. Range 44 W. of the 6th P. M.

Chains

observed for Latitude and obtained 42° 58' N.

From the corner to Township 34 and 35 N. Ranges 43 and 44 W. I run West on a true line between Townships 34 and 35 N. Range 44 W. as per instruction West on a true line between sections 1 and 36.

Variation 14° 40' East.

Descend.

2.00 Bottom of gulch descends N. 10° E. and ascend

8.00 Leave sparse pine timber brs. N. and S.

30.25 Wood road brs. N. and S. on bench

38.00 Top of divide from N. and descend.

40.00 Set a sandstone 20 x 8 x 4 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

Between Dps. 34 and 35 N. Range 44 W. of the 6th P. M.

61.50 Bottom of ravine descends S. and ascend.

70.00 Top of spur from N. and enter sparse pine timber brs. N. and S.

71.55 Intersect East Boundary of Pine Ridge Reservation 14. 80 Chains. N. of mile post No. 9 and at point of intersection Set a Pine Post 4 ft. long 4 ins. square 2 ft. deep. For Closing Corner to fractional Townships 34 and 35 N. Range 44 W. Marked "C. C. R. 44" on the E. "T. 34" on S. and "T. 35" on N. sides. dug pits 30 x 24 x 18 ins. E. N. and S. of post 6 ft. dist. and raised a mound of earth around post.

Land mountainous.

Soil 3rd rate.

Vegetation grass. Sparse pine timber.

~~71.55 Chains mountainous.~~

T. 35 N. Between Ranges 43 and 44 W. of the 6th P.M.

Chains

From the corner to Townships 34 and 35 N. Ranges 43 and 44 W. I run North on a true line between sections 31 & 36.

Variation 14° 15' East.

Descend.

1.00 Bottom of gulch descends N.

11.00 Leave gulch descends N.E. and ascend.

30.00 Top of spur from W. and descend.

40.00 Set a sandstone 14 x 6 x 6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

55.50 Bottom of gulch descends N.

66.00 Leave gulch descends N.E. and ascend.

69.50 Top of spur from W. and descend.

72.00 Bottom of gulch descends N.E. & ascend.

80.00 Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground. for cor. to Secs. 25 & 30

T. 35 N. Between Ranges 43 and 44 W. of the 6th P.M.

Chains

31 and 36. marked with 1 notch on S. and 5 on N. edges. From which a pine 30 ins. in diam. bears N. 65° E. 25 lks. dist. marked "T. 35 R. 43 S. 30 B.T." no other trees within limits. Ch. decs 25. 31 and 36 dug pits 15 x 15 x 12 ins. 5½ ft. dist. and raised a mound of earth alongside stone.

Land mountainous.

Soil 2nd rate.

Vegetation grass. Sparse pine timber.

~~80 Chains. mountainous.~~

North. Between Sections 25 and 30.

Variation 14° 15' East.

Ascend.

12.00 Top of spur from W. and descend.

27.00 Bottom of ravine descends N.E. and ascend.

33.00 Top of spur from W. and descend.

37.00 Bottom of ravine descends N.E. and ascend.

Tp. 35 N. Between Ranges 43 and 44 W. of the 6th P.M.

Chains	
40.00	Set a sand stone 14×10×5 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside
60.00	Top of mountain brs. N. and S. and descend Leave sparse pine timber brs. N.E. & S.W.
80.00	Set a sand stone 20×12×8 ins. 15 ins. in the ground. for cor. to secs. 19. 24. 25 and 30. marked with 2 notches on S. and 4 on N. edges. From which an ash 4 ins. in diam. brs. N. 15° W. 34 lks. dist. Marked "T. 35 R. 44 S. 24 B.T." an Elm 8 ins. in diam. brs. S. 8° E. 29 lks. dist. Marked "T. 35 R. 43 S. 30 B.T." An ash 5 ins. in diam. brs. N. 50° E. 7 lks. dist. Marked "T. 35 R. 43 S. 19 B.T." no other trees within limits. dug a pit 18×18×12

Tp. 35 N. Between Ranges 43 and 44 W. of the 6th P.M.

Chains	
	ins. in Sec. 25. 5½ ft. dist. and raised a mound of earth alongside stone.
	Land mountainous.
	Soil 2nd rate.
	Vegetation grass. Sparse pine, Elm and ash timber
	~~80. Chains mountainous.~~

North Between Sections 19 and 24.

Variation 14° 15' East.

	Descend.
13.00	Enter bottom land brs. N.W. and S.E.
15.00	Godfrey's Ranch brs E. about 10 chs. dist.
32.50	Wolf creek 10 lks. wide runs N.W.
40.00	Set a sand stone 14×10×4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
47.00	Wolf creek 10 lks. wide runs N.E.

Tp 35 N. Between Ranges 43 and 44 W. of the 6th P. M.

Chains

53.00 Wolf creek 10 lks. wide runs N. W.

60.00 Wolf creek 10 lks. wide runs N. E.

65.47 Intersect the N. boundary of Nebraska 5.20 Chs. E. of Mile Post No 142 and at point of intersection set a sand stone 30 x 16 x 6 ins. 20 ins. deep. for Closing Corner to fractional Townships 35 N. Ranges 43 and 44 W. marked "C.C. T. 35" on S. "R43" on E and 6 notches on E and W. sides. dug pits 30 x 24 x 18 ins. E. W. and S. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside stone. Land rolling. Soil 2nd rate. Vegetation grass.

Mile Post No. 142 was destroyed. The post was gone and the pits

Tp 35 N. Between Ranges 43 and 44 W. of the 6th P. M.

Chains

nearly filled. I set a Pine Post 4 ft. long 4 ins. square for mile post No 142 marked "142 M" on the E. "N.E.B." on S and "D.A.K." on the N. sides I redug the pits and rebuilt mound.

General Description

A large portion of the land in Township 35 N. Range 43 W. is mountainous and broken. There is considerable valuable pine timber in the S.W. Portion and building stone are plentifull The general drainage is to the N.W. Mr Godfrey's Claim is in the S.W. ¼ of Section 19 There is a fine growth of grass in nearly all portions of the township.

Note. Unfavorable weather prevented me from observing for Latitude at

Th. 33 N. Between Ranges 44 and 45 W. of the 6th P. M.

Chains

noon. From previous observations I am sure my compass is in perfect adjustment.

J. H. Fairfield June 21st 1882.

Before establishing the line between Ranges 44 and 45 W. Townships 33 N. I set my compass at the standary corner to Townships 33 Ranges 44 and 45 W. and thouroughly tested it. particularly the latitude and reversing apparatus and found it to be in perfect adjustment. I also observed for Latitude and obtained 42° 48' N.

The Standard corner to Townships 33 N. Ranges 44 and 45 W. is an Ash Post 4 ft. long 3 ins. square, properly marked. which I found standing in a mound of earth with pits.

Th. 33 N. Between Ranges 44 and 45 W. of the 6th P. M.

Chains

I redug the pits and raised mound of earth around post. Thence I run

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North Between Sections 31 and 36.

Variation 14° 20' East.

16.00 Drain 20 lks. wide descends N.W.

37.00 Drain 35 lks. wide descends N.W.

40.00 Set a sand stone 12 x 12 x 6 ins. 9 ins. in the ground. For 1/4 Sec. cor. marked on W. face, dug pits 18 x 18 x 12 ins N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 Set a sand stone 20 x 10 x 6 ins 15 ins. in the ground. for cor. to Secs. 25. 30: 31 and 36. marked with 1 notch on S. and 5 on N. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 2½ ft. base alongside.

Land rolling. Soil 1st rate.

Vegetation grass.

Tp. 33 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

North Between Sections 25 and 30.

Variation 14° 20' East.

40.00 Set a Sandstone 14×12×6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

45.50 Spring Branch 2 lks. wide runs N.W.

80.00 Set a Sand Stone 20×10×6 ins. 15 ins. in the ground. for cor. to Secs. 19. 24. 25 and 30 marked with 4 notches on N. and 2 on S. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 1st and 2nd rate.

Vegetation grass Sparse pine timber.

North Between Sections 19 and 24.

Variation 14° 20' East.

Tp. 33 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

40.00 Set a Sandstone 16×10×8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

60.00 Enter Sparse pine timber brs. E. and W.

79.00 Ravine 150 lks. wide descends N.W.

80.00 Set a sandstone 16×10×8 ins. 11 ins. in the ground. for cor. to Secs. 13. 18. 19 and 24 marked with 3 notches N. and S. edges. From which a Pine 10 ins. in diam. brs S. 34° W. 85 lks. dist. Marked "T. 33 R. 45 S. 24 B.T." a pine 20 ins. in diam. brs. N. 8° E. 153 lks. dist. Marked "T. 33 R. 44 S. 18 B.T." no other trees within limits. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside stone.

Land broken.

Tps. 33 N. Between Ranges 44 and 45 W. of the 6th P. M.

Chains	
	Soil 1st and 2nd rate.
	Vegetation grass. Sparse pine timber
	North Between Sections 13 and 18.
	Variation 14° 20' East.
13.00	Ravine 75 lks. wide descends N.W.
40.00	Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
80.00	Set a sand stone 36 x 24 x 10 ins. 20 ins. in the ground for cor. to Secs. 7. 12. 13 and 18 marked with 4 notch S. and 2 on N. edge. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.
	Land Hilly.
	Soil 1st rate.
	Vegetation grass. Sparse pine timber.

Tps. 33 N. Between Ranges 44 and 45 W. of the 6th P. M.

Chains	
	North Between Sections 7 and 12.
	Variation 14° 20' East.
3.00	Bottom of ravine descends N.W.
12.00	Drain 75 lks. wide descends S.W. and ascend
33.00	Ascend S. Slope of bluff brs. E. and W.
36.00	Top of bluff brs. E. and W.
40.00	Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
50.00	Ascend S. Slope of stony spur brs. E. and W.
56.00	Top of W. End of mountain and descend W. Slope.
75.00	Descend N.W. Slope of mountain
80.00	Set a sand stone 20 x 20 x 10 ins. 15 ins. in the ground for corner to Sections 1. 6. 7. and 12 marked with 5 notches on S. and 1 on N. edges. dug pits in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.
	Land 68.00 Mountainous 12.00 broken.
	Soil 2nd rate.
	Vegetation grass. Sparse pine timber
	~~68 Chs. Mountainous 12 Chs. broken.~~
	North Between Sections 1 and 6.
	Variation 14° 20' East
	Descend N.W. Slope
40.00	Set a sand stone 14 x 10 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
47.00	Leave Pine timber brs. E. and W.
50.00	Bottom of ravine descends N.E. at Foot of mountain brs. N.E. and S.W.
80.00	Set a sand stone 20 x 12 x 6 ins. 15 ins. deep for corner to Townships 33 and 34 N. Ranges 44 and 45 W. marked with 6 notches on each edge. dug pits 24 x 18 x 12 ins. lengthwise on each line N.S. E. and W. of stone 6 ft. dist. and raised a mound of earth 2 1/2 ft.

Between Tps. 33 and 34 N. Range 44 W. of the 6th P.M.

Chains

high 5 ft. base alongside.

Land 50.00 mountainous 30.00 & broken.

Soil 1st and 2nd rate.

Vegetation grass & pine timber.

~~5000 lks. mountainous 30 lks. broken~~

Note. I thoroughly tested the adjustment of my solar compass today. particularly the latitude and reversing apparatus and found it to be in perfect adjustment. I also observed for Latitude and obtained 42° 53' N.

From the cor. to Tps. 33 and 34 N. Ranges 44 and 45 W. I run East on a random line between said Townships. The variation of my compass being 14° 15' E. I set temporary half mile and mile corners at each 40 and 80 lks. and find the township line to be

Between Tps. 33 and 34 N. Range 44 W. of the 6th P.M.

Chains

6 miles 2 lks. and 20 lks. long and the falling to be 2.20 lks. S. of the cor. to townships 33 & 34 N. Ranges 43 and 44 W. The correction for the true line will therefore be 37 lks. W. and 2.20 lks. E. per mile and its course will be S. 89° 44' W.

From the Cor. to Tps. 33 and 34 N Ranges 43 and 44 W. I run S. 89° 44' W on a true line between Sections 1 and 36.

Variation 14° 40' East

12.00 E. branch of White Clay Creek 25 lks wide runs N. E.

39.00 Leave bottom land brs W. and S.

40.00 Set a sandstone 22 x 14 x 3 ins. 17 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside

Between Tps. 33 and 34 N. Range 4 W. of the 4th P. M.

Chains	
41.50	Water in Pools 20 lks. wide bes. N.
80.00	Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground, for corner to Sections 1, 2, 35 and 36 marked with 1 notch on E. and 5 on W. edges dug pits 18 x 18 x 12 ins. in each Section 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land broken and rolling.
	Soil 2nd rate.
	Vegetation grass and weeds.

S. 89° 44' W. on a true line between Sections 2 and 35.

Variation 14° 40' E.

40.00	Set a sand stone 14 x 12 x 4 ins. 10 ins. in the ground for ¼ section corner

Between Tps. 33 and 34 N. Range 4 W. of the 4th P. M.

Chains	
	marked W. on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
41.00	Top of bluff bes. N. W. and S. E. & descend
52.00	Pitch 20 lks. wide descends N. W. at base of bluff.
80.00	Set a sandstone 24 x 15 x 8 ins. 18 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35 marked with 2 notches on E. and 4 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling & broken.
	Soil 2nd rate.
	Vegetation grass, sparse pine timber.

S. 89° 44' W. on a true line between Sections 3 and 34.

Variation 14° 45' East.

Between Tps. 33 and 34 N. Range 44 W. of the 6th P.M.

Chains

3.00 Drain 26 lks. wide descends N.E.

11.00 Top of divide brs. N. and S. descend W. slope and enter sparse pine timber brs. N. and S.

30.00 Bottom of deep cañon descends N.W. Dense pine timber brs. N. W. ascend.

40.00 Set a sandstone 24 × 18 × 8 ins. 18 ins in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 × 18 × 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

45.00 Top of spur from S. and descend.

75.50 Bottom of ravine descends N.E. and ascend.

80.00 Set a Limestone 16 × 12 × 6 ins. 11 ins. in the ground, for cor. to Secs. 3. 4. 33 and 34 marked with 3 notches on E. and W. edges. dug pits 18 × 18 × 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft high 4½ ft. base alongside.

Between Tps. 33 and 34 N. Range 44 W. of the 6th P.M.

Chains

Land mountainous ~~& broken~~.

Soil 2nd rate.

Vegetation grass. Sparse pine timber.

~~80 Chs Mountainous.~~

S. 89° 44' W. on a true line between Sections 4 and 33.

Variation 14° 45' East.

Ascend.

4.00 Top of spur from S. and descend.

14.00 Bottom of ravine descends N.E. and ascend.

23.00 Top of spur from S. and descend.

28.50 Bottom of cañon descends N. and ascend.

40.00 Set a sandstone 14 × 10 × 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 × 18 × 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

61.00 Top of divide brs. N. and S. & Leave pine timber brs. N. and S.

Between Tps 33 and 34 N. Range 44 W. of the 6th P.M.

Chains

66.00 Ravine 60 lks. wide descends W.E.

80.00 Set a sandstone 32 x 20 x 10 ins. 20 ins. in the ground, for cor to Secs. 4. 5. 32 and 33 marked with 4 notches on E. and 2 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land 61.00 mountainous & broken 19.00

Soil 2nd rate.

Vegetation grass. & sparse pine timber.

61. Chs. mountainous. 19 Chs. broken

S. 89°44' W. on a true line between Sections 5 and 32.

Variation 14°45' East

32.00 Top of divide brs W. and S. & descend W. slope.

40.00 Set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x

Between Tps 33 and 34 N. Range 44 W. of the 6th P.M.

Chains

18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

45.00 Bottom of ravine descends W. and ascend.

53.00 Top of ridge brs. W. and S. and descend.

62.00 Bottom of ravine descends S.

80.00 Set a sandstone 24 x 12 x 6 ins. 18 ins in the ground, for cor to Secs. 5. 6. 31 and 32. marked with 5 notches on E. and 1 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land ~~broken~~ 62.00 Mountainous and 18.00 Broken.

Soil 2nd rate.

Vegetation grass. & sparse pine timber.

South of line.

S. 89°44' W. on a true line between Sections 6 and 31.

Variation 14°45' East.

Between Rs. 33 and 34 N. Range 44 W. of the 6th P.M.

Chains	
40.00	Set a sandstone 18 x 10 x 8 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 inc. S. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
46.90	Ranch Road to Pine Ridge Agency bra. N. W. and S.E.
57.50	Dry creek bed 20 lks. wide descends N.W.
63.50	Wagon road bra. N.W. and S.E.
82.20	The cor. to Tps. 33 and 34 N. Ranges 44 and 45 W.

Land Rolling.

Soil 1st rate.

Vegetation grass.

General Description

The land in township 33 N. Range 44 W. is mostly rolling and nearly all of it good farming land there are a number of settlers

Rs. 34 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains	
	on White Clay Creek and several of them have well improved farms. There is some pine timber of value in the southern portion

J. H. Fairfield June 23rd 1882.

From the corner to Townships 33 and 34 N. Ranges 44 and 45 W. Snow North between sections 31 and 36.

Variation 14° 20' East.

Descend

34.00	Ranch road to Pine Ridge Agency bra. N.W. and S.E.
35.00	Dry creek bed 20 lks. wide descends N.W.
40.00	Set a sandstone 14 x 10 x 4 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 inc. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. ~~high~~ 3½ ft. base alongside.
42.00	Wagon road bra. N.W. and S.E.

Ps 34 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains	
57.10	Drain 20 lks. wide descends S.W. and ascend.
61.50	Top of spur from N.E. and descend.
75.00	Bottom of ravine descends S.W. & ascend.
80.00	Set a sandstone 18×14×3 ins. 12 ins. in the ground, for corner to Sections 25, 30, 31 and 36, marked with 1 notch on S. and 5 on N. edges, dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling & broken.
	Soil 2nd rate.
	Vegetation grass.

North Between Sections 25 and 30.

Variation 14°20' East.

	Ascend.
29.00	Top of divide brs. S.E. and S.W. and descend.
33.00	Descend N. slope.
40.00	Set a sandstone 14×8×5 ins. 10 ins.

Ps 34 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains	
	in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
43.00	Enter Pine timber brs. N.E. and S.W.
51.00	Bottom of ravine descends N.E. and Ascend.
54.00	Leave pine timber brs. N.E. and S.W.
74.00	Top of divide brs. N.E. and S.W.
80.00	Set a sandstone 16×16×5 ins. 11 ins. in the ground, for cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 on N. edges, dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land broken & rolling.
	Soil 2nd rate.
	Vegetation grass. Sparse pine timber.

Tp. 34 N. Between Ranges 44 and 45 W. of the 6th P. M.

Chains.

North Between Sections 19. and 24.

Variation 14° 20' East.

Running on W. slope.

30.00 Descend N.W. slope of divide

34.00 Enter Pine timber brs. E. and W.

40.00 Set a sandstone 14 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked "1/4 on W. face. From which a pine 24 ins. in diam. brs. S. 40° W. 65 lks. dist. marked "1/4 S. B.T." a pine 28 ins. in diam. brs. N. 20° E. 140 lks. dist. marked "1/4 S.B.T."

75.00 Bottom of ravine descends N.E. & ascend.

80.00 Set a sandstone 22 x 12 x 4 ins. 16 ins. in the ground for cor. to Secs. 18. 19. 19 and 24. marked with 3 notches on N. and S. edges. From which a pine 24 ins. in diam. brs. S. 4° E. 39 lks. dist. Marked "T. 34 R. 44 S. 19 B.T." a pine 26 ins.

Tp. 34 N. Between Ranges 44 and 45 W. of the 6th P. M.

Chains

in diam. brs. N. 5° W. 124 lks. dist. Marked "T. 34 R. 45 S. 13 B.T." a pine 20 ins. in diam. brs. N. 46° E. 126 lks. dist. Marked "T. 34 R. 44 S. 18 B.T." no other trees within limits. dug pit 18 x 18 x 12 ins. in Sec. 24. 5½ ft. dist. and raised a mound of earth alongside stone.

Land rolling.

Soil 2nd rate.

Vegetation grass. & sparse pine timber.

North Between Sections 13. and 18.

Variation 14° 20' East.

ascend S.E. slope.

80.00 Top of divide brs. N.E. and S.W.

40.00 Set a sandstone 18 x 12 x 4 ins. 12 ins. in the ground. for 1/4 sec. cor. marked "1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and E. of stone

Tp 34 W Between Ranges 44 and 45 W. of the 6th P.M.

Chains	
	5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
53.50	Wood road brs N.W. and S.E. and descend N. Slope.
64.00	Bottom of bluff in drain 20 lks. wide descends N.W. and leave timber brs. E. and W.
67.03	Intersect S.B. of Pine Ridge Reserve 7.20 lks W. of Port No 16
80.00	Set a sand stone 24×20×4 ins. 18 ins. in the ground for cor. to Secs. 7. 12. 13 and 18. marked with 4 notches on S. and 2 on W. edges. dug pits 18×18×12 ins. in each Section 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land broken & rolling.
	Soil 2nd rate.
	Vegetation grass. sparse pine timber.

North Between sections 7 and 12.

Variation 14° 20' East.

8.00	Drain 20 lks. wide descends N.W.

Tp 34 W. Between Ranges 44 and 45 W. of the 6th P.M.

Chains	
40.00	Set a sandstone 15×10×4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 W. face. dug pits 18×18×12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
48.75	Wagon road brs. E. and W.
51.50	Enter brush & Timber brs. E. & W.
53.00	White Clay Creek 25 lks. wide runs E.
55.75	Leave brush & Timber brs. E. & W.
58.75	Enter garden brs. E. and W.
72.75	Leave garden. Fence brs. E. and W. and enter timber brs. E. and W.
73.00	White Clay Creek 30 lks. wide runs N.W.
80.00	Set a sand stone 18×12×3 ins. 12 ins. in the ground for cor. to Secs. 1. 6. 7 and 12. marked with 5 notches on S. and 1 on W. edges. From which a Box Elder 4 ins. in diam. brs. N 45° W. 44 lks. dist. marked "T. 34 R 45 S. 1 B.T."

Tp. 34 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

an Elm 8 ins. in diam. brs. S. 79° W.
98 lks. dist. Marked "T. 34 R. 45 S 12 B.T."
a Bos Elder 14 ins. in diam. brs.
N. 86½° E. 80 lks. dist. marked
"T. 34 R. 44 S. 6 B.T." no other trees
within limits, dug pit in Sec. 7
18 × 18 × 12 ins. 5½ ft. dist. and
raised a mound of earth
alongside stone.
Land rolling.
Soil 1st and 2nd rate.
Vegetation grass. Sparse pine. Elm
and Bos Elder timber.

North Between Sections 1 and 6.
Variation 14° 20' East.

2.75 White Clay Creek 25 lks wide runs E.
5.00 Leave brush & timber brs E & W. Enter field.
36.00 Post and Pole fience brs. N.W. & S.E. Leave field.
40.00 Set a sand stone 24 × 12 × 6 ins.

Tp. 34 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

18 ins in the ground, for ¼ sec. cor.
marked ¼ on W. face. dug pits
18 × 18 × 12 ins. N. and S. of stone 5½ ft.
dist., and raised a mound of earth
1½ ft. high 3½ ft. base alongside.
50.00 Enter brush & timber brs E. & W.
57.50 White Clay creek 30 lks wide runs N.W.
68.00 Leave brush & timber brs N.W. & S.E.
80.00 Set a sand stone 18 × 12 × 10 ins. 12 ins.
in the ground. for Cor. to Tps. 34 and 35 N.
Ranges 44 and 45 W. marked with 6
notches on Each edge dug pits
24 × 18 × 12 ins. lengthwise on each
line N.S. E and W. of stone 6 ft. dist.
and raised a mound of earth 2½ ft.
high 5 ft. base alongside.
Land level.
Soil 1st and 2nd rate.
Vegetation grass, brush and
timber on Creek

Tp. 34 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

Note. Unfavorable weather prevented me from observing for Latitude at noon. From previous observations I am sure my compass is in perfect adjustment.

General Description

Considerable of the land in Township 34 N. Range 44 W. is broken and the greater portion of it is rolling. Soil of good quality and fit for cultivation there are several settlers on White Clay Creek a number of whom are within the boundaries of the Sioux Indian Reservation There is some pine timber of value in the Township.

From the corner to Townships 34 and 35 N. Ranges 44 and 45 W.

Tp. 35 N. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

Inn

North Between Sections 31 and 36.

Variation 14° 10' East.

9.50 Enter brush brs. N.E. and S.W.

14.25 White Clay Creek 30 lks. wide runs. E.

22.50 Same Creek 30 lks. wide runs. N.W.

40.00 Set a sand stone 14 x 10 x 3 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of Stone 3 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft base along side.

43.00 Leave brush brs. N.W. and S.E.

46.25 Wagon road brs N.W. and S.E.

60.00 Wagon road brs. N.E. and S.W.

80.00 Set a sand stone 20 x 14 x 4 ins. 15 ins. in the ground. for Cor. to Secs. 25. 30. 31 and 36. marked with 1 notch on S. and 5 on W. edges

Ph. 35 W. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

dug pits 18 × 18 × 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land level.

Soil 1st and 2nd rate.

Vegetation grass, brush + timber on creek.

North Between Sections 25 and 30.

Variation 14° – East

26.00 Creek 15 lks wide runs W.W.

40.00 Set a sand stone 12 × 12 × 5 ins. 9 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18 × 18 × 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 4½ ft. base alongside

53.00 Wagon road brs N.E. and S.W.

63.50 Wagon road brs. W.W. and S.E.

80.00 Set a sand stone 15 × 10 × 6 ins.

Ph. 35 W. Between Ranges 44 and 45 W. of the 6th P.M.

Chains

10 ins. in the ground for cor. to Secs. 19, 24, 25 and 30. marked with 2 notches on S. and 4 on W. edges. dug pits 18 × 18 × 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside,

Land level.

Soil 2nd rate.

Vegetation grass brush + timber on creek.

North Between Sections 19 and 24.

Variation 14° – East.

40.00 Set a sand stone 14 × 8 × 3 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18 × 18 × 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high

Tp 35 N Between Ranges 44 and 45 W. of the 6th P.M.

Chains

3½ ft. base along side.

42.00 Wagon road brs. N.W. and S.E.

63.00 Wagon road brs. N.E. and S.W.

67.13 Intersect the N boundary of Nebraska 11.62 Chs. E. of Mile Post No 148. At point of intersection set a Red Cedar Post 4 ft. long 6 ins. square, for closing corner to fractional Tps 35 N. Ranges 44 and 45 W. marked "C.C. T. 35 N on the S. "R 44 W." and 6 notches on the East. "R 45 W" + 6 notches on the west side. Dug pits 30 x 24 x 18 ins. E.W. and S. of Stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base along side The Initial point for the survey of the Sioux Indian Reservation Land rolling.

Tp 35 N Between Ranges 44 & 45 W. of the 6th P.M.

Chains

Soil 1st and 2nd rate.

Vegetation grass.

General Description

Nearly all the land in Township 35 N. Ranges 44 and 45 W. is included in the Sioux Indian Reservation.

The Townships comprises a portion of the best farming land in this vicinity and a number of settlers have well improved farmes within the Reservation Boundaries.

J. H. Fairfield. June 24th 1882.

Geo. Smith

Field Notes
of
The Exterior Lines of
Townships 33. 34 and 35 N.
Range 45 W. and
Township 33 N.
Range 46 W. of
the Sixth Principal Meridian
by
Joseph H. Fairfield Deputy Surveyor
Under his contract of June 6th 1882
Survey commenced June 29th 1882
Survey completed July 4th 1882

No. 33 N. Between Ranges 45 and 46 W. of the 6th P.M.

Chains

Before establishing the line between Ranges 45 and 46 W. Tps. 33 N. I set my compass at the Standard Corner to Tps. 33 N. Ranges 45 and 46 W. and thoroughly tested it: particularly the latitude and reversing apparatus and found it to be in perfect adjustment.

I also observed for Latitude and found 42° 48' N. to be correct.

The Standard Corner to Tps 33 N. Ranges 45 and 46 W. is a Pine Post 4 ft. long 4 ins. square, properly marked. Standing in a mound of earth with pits. I redug the pits and rebuilt mound. Thence I run North Between Sections 31 and 36.

Variation 14° 45' East.

33.00 Cross head of ravine, descend N.E.

40.00 Set a Sandstone 12 x 10 x 8 ins. 9 ins.

Rs. 33 W. Between Ranges 45 and 46 W. of the 6th P.M.

Chains	
	in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
78.00	Ravine 250 lks. wide descends S.E. Sparse pine timber brs. N.W. and S.E. in ravine.
80.00	Set a Limestone 16 x 10 x 8 ins. 11 ins. in the ground. for Corner to Sections 25. 30. 31 and 36 marked with 1 notch on S. and 5 on the N. edges. dug pits 18 x 18 x 12 ins. in each section 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside. From which a Pine 28 ins. in diam. brs. S. 6° E. 61 lks. dist. marked "T. 33 R. 45 S. 31 B.T." A Pine 8 ins. in diam. brs. N. 88° E. 20 lks. dist. marked "T. 33 R. 45 S. 30 B.T." A Pine 6 ins. in diam. brs. N. 89° W. 33 lks. dist. marked "T. 33 R. 46 S. 25 B.T."

Rs. 33 W. Between Ranges 45 and 46 W. of the 6th P.M.

Chains	
	A Pine 10 ins. in diam. brs. S. 6° W. 33 lks. dist. Marked "T. 33 R. 46 S. 36 B.T." Land rolling. Soil 1st and 2nd rate. Vegetation grass and weeds Sparse Pine timber.
	North Between Sections 25 and 30. Variation 14° 45' East.
40.00	Set a Limestone 14 x 10 x 4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside
50.00	Wagon road to Pine Ridge Agency brs. N.E. and S.W.
72.00	Enter Pine timber brs. N.W. and S.E.
79.50	Ravine 150 lks. wide descends N.W.
80.00	Set a Limestone 16 x 10 x 8 ins. 11 ins. in the ground. for Cor. to Secs. 19. 24.

Dec. 33 M. Between Ranges 45 and 46 W. of the 6th P.M.

Chains

25 and 30. marked with 2 notch on S. and 4 on W. edges. dug pits 18 x 18 x 12 ins. in Sections 19. 24 and 30. 5½ ft. dist. and raised a mound of earth alongside.

No pit in Section 25 on account of steep bank. Brow which a Pine 10 ins. in diam. brs. S. 30° E. 34 lks. dist. Marked "B.33 R.45 S.30 B.T."

A Pine 12 ins. in diam. brs. W. 35° E. 19 lks. dist. marked "B.33 R.45 S.19 B.T."

A Pine 14 ins. in diam. brs. W. 45° N. 25 lks. dist. marked "B.33 R.46 S.24 B.T."

A Pine 20 ins. in diam. brs. S. 45° W. 9 lks. dist. marked "B.33 R.46 S.25 B.T."

Land rolling.

Soil 1st and 2nd rate.

Vegetation grass and weeds. & sparse Pine Timber.

Dec. 33 M. Between Ranges 45 and 46 W. of the 6th P.M.

Chains

North Between Sections 19 and 24.

Variation 14° 45' East.

7.00 Descend W. slope of divide.

29.00 Bottom of ravine descends W. & N. and ascends.

38.00 Top of ridge brs. E. and W. and descend.

40.00 Set a Limestone 14 x 12 x 8 ins. 10 ins. in the ground. for 1/4 sec. Cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. W. and E. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

46.00 Bottom of ravine descends W. & N. and ascend.

70.00 Top of ridge brs. E. and W.

75.00 Descend N.E. slope of ridge. brs. N.W. and S.E.

80.00 Set a Sandstone 18 x 10 x 6 ins. 12 ins. in the ground. for Cor. to Secs. 13. 18. 19 and 24 marked with 3 notches on S. and W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft.

Chains.

base along side. From which a Pine 20 ins. in diam. bears S. 40° E. 77 lks. dist. marked "T.33 R. 45 S. 19 B.T."

A Pine 10 ins. in diam. bears N. 87° E. 41 lks. dist. marked "T.33 R.45 S.18 B.T."

A Pine 14 ins. in diam. bears W. 216 lks. dist. marked "T.33 R.46 S.24 B.T." on the S. and "T.33 R.46 S.13 B.T." on W. side.

73.00 Land mountainous. 7.00 and broken.

Soil 2nd 3rd rate.

Vegetation grass and weeds. Dense pine timber. ~~73 chs mountainous. 7 chs broken.~~

North Between Sections 13 and 18.

Variation 14° 45' East.

Descend.

18.00 Bottom of canon descends N.W. and ascend south slope.

25.00 Top of spur from E. and descend.

33.00 Creek 3 lks. wide runs N.W. in bottom

Chains.

of deep canon

40.00 Set a pine Post 4 ft. long 4 ins. square. Charred stake 18 ins. in the ground. For 1/4 sec. cor. marked "1/4 S" on W. face. dug pits 18x18x12 ins. N. and S. of Post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.

49.50 Descend N. slope

55.00 Bottom of ravine descends N.W. and ascend.

60.00 Top of spur from E. and descend.

68.00 Bottom of deep canon descends W. and ascend perpendicular cliff of sand stone 40 ft. high bears E. and W.

80.00 Set a sand stone 24x20x6 ins. 18 ins. in the ground. For cor. to sections 7. 12. 13 and 18 marked with 4 notch S. and on the N. edge and raised a mound of stone. This Impracticable. From which a Pine 6 ins. in diam. bears S. 10° W. 30 lks. dist. marked "T.33

Tp. 33 N. Between Ranges 45 and 46 W. of the 6th P. M.

Chains	
	R. 46 S. 13 B.T." A Pine 4 ins. in diam. brs N. 89° W. 24 lks. dist. Marked T. 33 R 46. S. 12 B.T. no other trees within limits.
	Land 68.00 mountainous. 12.00 broken.
	Soil 2nd and 3rd rate.
	Vegetation grass and weeds.
	68. Chs. mountainous - 12 Chs. broken.

North Between Sections 7 and 12.

Variation 14° 45' East.

27.00	old Wagon trail brs. E. and W.
39.00	Descend N. slope.
40.00	Set a sandstone 14×10×6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside. From which A Pine 6 ins. in diam. brs. N. 40° E.

Tp. 33 N. Between Ranges 45 and 46 W. of the 6th P. M.

Chains	
	19 lks. dist. Marked "1/4 S.B.T." A Pine 12 ins. in diam. brs. S. 10° E. 37 lks. dist. marked "1/4 S. B.T."
55.00	Head of short ravine descends W. and ascend S. slope.
60.00	Top of divide brs. E. and W. and leave Pine timber brs. E. and W.
80.00	Set a sandstone 24×16×4 ins. 18 ins. in the ground. for cor. to secs. 1, 6, 7 and 12. marked with 5 notches on S. and 1 on the N. edges. dug pits 18×18×12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.
	Land 59.00 broken and 21.00 mountainous.
	Soil 2nd and 3rd rate.
	Vegetation grass. Sparse pine timber.
	21. Chs. mountainous.
	59. Chs. broken.

Tp. 33 N. Between Ranges 45 and 46 W. of the 6th P.M.

Chains	
	North Between Sections 1 and 6.
	Variation 14° 45' East.
40.00	Set a Sandstone 20 x 14 x 6 ins. 15 ins. in the ground. For 1/4 Sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
41.50	Wagon road from Camp Sheridan to Pine Ridge Agency brs. E. and W.
42.00	Enter Sparse pine timber brs. E. and W.
75.00	Leave Sparse pine timber brs. E. and W.
80.00	Set a Pine Post 7 ft. long 6 ins. square. Charred stake 36 ins. in the ground. For Corner to Townships 33 and 34 N. Ranges 45 and 46 W. Marked "T. 34 S. 3" on N.E. "R. 45 S 31" on S.E "T. 33 S 1" on S.W. and "R. 46 S. 36" on N.W. faces. with 6 notches

Tp. 33 N. Between Ranges 45 and 46 W. of the 6th P.M.

Chains	
	on each edge. dug pits 36 x 36 x 12 ins. lengthwise on each line 6 ft. dist. and raised a mound of earth 2 1/2 ft. high 5 ft. base around post.
	Land broken and mountainous. 70.00 10.00
	Soil 2nd and 3rd rate.
	Vegetation grass. Sparse pine timber.
	~~10 Chs. mountainous.~~
	~~70 Chs. broken~~

Note I carefully examined the adjustments of my solar compass to-day. particularly the latitude and reversing apparatus. and found it to be in perfect adjustment. I also observed for Latitude and found 42° 53' N. to be correct.

Between Tps. 33 and 34 N. R 45 W. of the 6th P. M.

Chains	
	From the corner to townships 33 and 34 north Ranges 45 and 46 west I run East on a random line, between said townships. The variation of my compass being 14° 55' East. I set temporary half-mile and mile corners at each 40 and 80 chains, and find the township line to be 5 miles 79 chains and 90 lks. long, and the falling to be 50 lks. N. of the corner. to Townships 33 and 34 N. Ranges 44 and 45 W. The correction for the true line will therefore be 10 lks N. and 8.24 lks. S. per mile. and its course will be N. 89° 57' W.
	From the corner to Tps. 33 and 34 N. Ranges 44 and 45 W. I run N. 89° 57' W. on a true line between sections 1. and 36.
	Variation 15° — East.

Between Tps. 33 and 34 N. R. 45 W. of the 6th P. M.

Chains	
40.00	Set a sand stone 26 x 10 x 3 ins. 18 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
41.50	Drain 20 lks. wide descends W. W.
80.00	Set a sand stone 24 x 20 x 4 ins. 18 ins. in the ground, for cor. to Secs. 1. 2. 35 and 36. marked with 1 notch E. and 5 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.
	N. 89° 57' W. on a true line between Sections 2 and 35.
	Variation 15° — East.

Between Rs. 33 and 34 N. R. 5 W. of the 6th P. M.

Chains	
10.50	Wagon road to Pine Ridge Agency, brs. N. & S.
11.00	Enter bottom land brs. N. and S.
20.00	White Clay Creek 15 lks. wide runs N. E.
30.00	Leave bottom land brs. N. and S.
40.00	Set a Limestone 14 x 8 x 6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
80.00	Set a Sand stone 20 x 16 x 4 ins. 15 ins. in the ground. for cor. to secs. 3. 4. 34 and 35. marked with 2 notches on E. and 4 on the W. edges dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside. Land rolling and broken. Soil 2nd rate. Vegetation grass and weeds.

Between Rs. 33 and 34 N. R. 5 W. of the 6th P. M.

Chains	
	N. 89° 57' W. on a true line between Sections 3 and 34.
	Variation 14° 55' East.
27.00	Drain 35 lks. wide descends N. E.
36.50	Drain 25 lks. wide descends S. E.
39.50	Drain 20 lks. wide descends N. E.
40.00	Set a sand stone 14 x 12 x 6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
80.00	Set a sand stone 20 x 16 x 4 ins. 15 ins. in the ground. for cor. to secs. 3. 4. 33 and 34 marked with 3 notches on E. and W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside. Land rolling. Soil 2nd rate. Vegetation Grass.

Between Ps. 33 and 34 N. R. 4 5 W. of the 6th P. M.

Chains	
	N. 89° 57' W. on a true line between Sections 4 and 33.
	Variation 14° 55' East.
26.00	Drain 30 lks. wide descends N.E.
40.00	Set a sandstone 14 x 12 x 3 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
43.00	Drain 20 lks. wide descends N. E.
80.00	Set a sandstone 16 x 12 x 3 ins. 11 ins. in the ground for Cor. to Secs. 4. 5. 32 and 33 marked with 4 notches on E. and 2 on the W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.

Between Ps. 33 and 34 N. R. 4 5 W. of the 6th P. M.

Chains	
	Soil 1st rate.
	Vegetation grass and weeds.
	N. 89° 57' W. on a true line between Sections 5 and 32.
	Variation 14° 55' East.
18.00	Ravine 50 lks wide descends N. W.
26.00	Head of dry creek 10 lks. wide descends N.E.
40.00	Set a sandstone 18 x 10 x 4 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
40.50	Deep cañon 2.25 lks. wide descends S.E.
80.00	Set a sandstone 18 x 10 x 6 ins. 12 ins. in the ground for cor. to Secs. 5. 6. 31 and 32. marked with 5 notches on E. and 1 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.

Between Tps. 33 and 34 N. R. 45 W. of the 6th P. M.

Chains

and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 1st and 2nd rate.

Vegetation grass. and weeds. Sparse pine timber along ravine.

N. 89° 57' W. on a true line between Sections 6 and 31.

Variation 14° 55' East.

22.00 Camp Sheridan and Pine Ridge Agency Wagon road brs. N.E. and S.W.

40.00 Set a sand stone 14 x 8 x 6 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

79.90 The Corner to Townships 33 and 34 N. Ranges 45 and 46 W.

Between Tps. 33 and 34 N. R. 45 W. of the 6th P. M.

Chains

Land rolling.

Soil 1st rate.

Vegetation grass. weeds. Sparse pine timber.

General Description

A large portion of the land in Township 33 N. Range 45 W. is rolling and the soil is of good quality. There is some Pine timber of value in the southern part and building stone are plentiful. The Tp. is well watered and there are several settlers on White Clay Creek. Swallows Ranch is in the N.E. portion and is well improved.

J. H. Fairfield June 29th 1882.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P. M.

Chains

From the corner to Townships 33 and 34 N.
Ranges 45 and 46 W. I run.
North Between Secs. 31 and 36.
Variation 14° 30' East.

39.50 Drain 20 lks. wide descends N.E. and ascend S.E. slope, Enter sparse pine timber brs. E. and W.

40.00 Set a sand stone 15 x 8 x 8 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

57.50 Top of spur from S.W. and descend.

67.75 Bottom of ravine descends E. and ascend.

80.00 Set a sand stone 28 x 14 x 4 ins. 18 ins. in the ground. for cor. to secs. 25. 30. 31 and 36 marked with 1 notch on S. and 5 on N. edges.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P. M.

Chains.

dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.
Land rolling.
Soil 2nd rate.
Vegetation grass.

North Between Sections 25 and 30.
Variation 14° 30' East.

Ascend

20.00 Top of divide from E. and descend.

40.00 Set a sand stone 14 x 12 x 7 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

47.00 Cross head of gulch descends N.W. and ascend.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P. M.

Chains	
70.00	Top of Spur from S.E. and descend.
80.00	Set a Sand Stone 30 x 9 x 4 ins. 20 ins. in the ground. for Cor. to Secs. 19. 24. 25 and 30 marked with 2 notches on S. and 4 on the W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land mountainous. Soil 2nd rate. Vegetation grass. Sparse pine timber. 80. Chs. ~~mountainous~~.

North Between Sections 19 and 24.

Variation 14° 30' East.

Descend.

46.00	Set a Sandstone 12 x 10 x 8 ins. 9 ins. in the ground, for 1/4 sec.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P. M.

Chains	
	cor. marked 1 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.
63.00	Bottom of ravine descend N. W. and ascend.
80.00	Set a Sand stone 18 x 12 x 10 ins. 12 ins. in the ground. for cor. to Secs. 13. 18. 19 and 24 marked with 3 notches on S. and W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land broken and rolling. Soil 2nd rate. Vegetation grass. Sparse pine timber.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P.M.

Chains	
	North Between Sections 13 and 18.
	Variation 14° 30' E.
	Ascend.
10.00	Top of spur pronot. E. and descend.
12.00	Enter Dense pine timber brs. E. & W.
30.00	Bottom of ravine descends N. W. and ascend.
40.00	Set a sandstone 16 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. Brow which a Pine 40 ins. in diam. brs. N. 1 W. 128 lks. dist. Marked "1/4 S. B.S." no other trees within limits. dug pit 18 x 18 x 12 ins. S. of stone 5 1/2 ft. dist. and raised a mound of earth alongside stone.
62.00	Top of spur pron. S.E. and descend.
65.00	Leave Pine timber brs. E. and W.
70.00	Bottom of ridge brs. E. and W.
80.00	Set a sandstone 20 x 10 x 4 ins.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P.M.

Chains	
	15 ins. in the ground. for Cor. to Secs. 7, 12, 13 and 18. marked with 4 notches on S. and 2 on W. edges. dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 1 1/2 ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass. & sparse pine timber.
	North Between Sections 7 and 12.
	Variation 14° 30' East.
32.00	Enter Elm and Box Elder timber brs. E. & W.
35.00	Craven Creek 5 lks. wide runs S.
37.50	Leave timber brs. E. and W.
40.00	Set a sandstone 15 x 8 x 5 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and E. of stone 5 1/2 ft.

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P.M.

Chains	
	dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
58.50	Fort Robinson and Pine Ridge Agency Telegraph line bears N.E. and S.W.
80.00	Set a sandstone 28×8×6 ins. 18 ins. in the ground. for cor. to secs. 1. 6. 7 and 12. marked with 5. notches on S. and on W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 1st and 2nd rate.
	Vegetation grass. Elm and Box Elder timber on creek.

North Between Sections 1 and 6.

Variation 14° 30' East.

Chains	
34.00	Old Wagon trail to Camp Sheridan

Tp. 34 N. Between Rs. 45 and 46 W. of the 6th P.M.

Chains	
	bears N.E. and S.W.
40.00	Set a sandstone 15×12×7 ins. 10 ins. in the ground. for ¼ sec. cor. marked 4 on W. face. dug pits 18×18×12 ins. W. and S. of stone. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
71.50	Old Wagon trail bears N.E. and S.W.
80.00	Set a Limestone 30×14×4 ins. 20 ins. in the ground. for Corner to Townships 34 and 35 N. Ranges 45 and 46 W. marked with 6 notches on each edge. dug pits 24×18×12 ins. lengthwise on each line N. S. E. and W. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base along side.
	Land rolling. Soil 2nd rate.
	Vegetation grass.

Between Rs. 34 and 35 N. Range 45 W. of the 6th P.M.

Chains	
	Note I carefully examined the adjustments of my solar compass today. particularly the latitude and reversing apparatus and found it to be correct. I also observed for Latitude and obtained 42° 58' N.
	From the corner to townships 34 and 35 N. Ranges 45 and 46 W. 6th P.M. East on a true line between sections 6 and 31 as per instructions.
	Variation 15° — East.
18.75	Old trail brs. N.E. and S.W.
37.25	Telegraph line from Fort Robinson to Pine Ridge Agency brs. N.E. and S.W.
40.00	Set a sand stone 17 x 15 x 6 ins. 11 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound

Between Rs. 34 and 35 N. Range 45 W. of the 6th P.M.

Chains	
	of earth 1½ ft. high 3½ ft. base alongside.
46.00	Drain 10 ft. wide descends S.E.
80.00	Set a sand stone 25 x 15 x 8 ins. 18 ins. in the ground. for cor. to Secs. 5. 6. 31 and 32. marked with 1 notch on W. and 5 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 2nd rate. Vegetation grass.
	East on a true line between sections 5 and 32.
	Variation 15° — East.
7.28	Intersect West boundary of Pine Ridge Reservation, 8.13 Chains. North

Between Tps 34 and 35 N. Range 45 W. of the 6th P.M.

Chains

of Mile Post No 33. and at point of intersection set a Limestone 28 x 12 x 4 ins. 18 ins. deep. for closing corner to fractional Townships 34 and 35 N. Range 45 W. Marked "C.C.R on W. and 6 notches on the N. and S. sides. dug pits 30 x 24 x 18 ins. N. S. and W. of stone 6 ft. dist. and raised a mound of earth alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

General Description

The land in Township 34 N. Range 45 W. is mostly rolling. The soil is fertile and where cultivated good crops are grown. There are several settlers in

Tp. 36 N. Between Ranges 45 and 46 W. of the 6th P.M.

Chains

the Tp. a number of which are on the Sioux Indian Reservation.

The Township is well watered by White Clay and Craven Creeks

J. T. Fairfield June 30th 1882

From the corner to Tps 34 and 35 N Ranges 45 and 46 W. I run North Between Sections 31 and 36.

Variation 14°25' E.

14.00 Wash 70 lks wide descends N. W.

37.50 Wagonroad from Fort Robinson to Pine Ridge Agency bs. N.E. and S.W.

40.00 Set a Sandstone 24 x 12 x 7 ins. 18 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high

T. 35 N. Between Ranges 45 and 46 W. of the 6th P. M.

Chains	
	3½ ft. base alongside.
80.00	Set a sandstone 26 x 10 x 6 ins. 18 ins. in the ground. for cor. to Secs. 25. 30. 31 and 36. marked with 1 notch on S. and 5 on the W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

North Between Sections 25 and 30.

Variation 14° 25' East.

40.00	Set a sandstone 14 x 8 x 5 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

T. 35 N. Between Ranges 45 and 46 W. of the 6th P. M.

Chains	
47.25	Wash 40 lks. wide descends N. W.
51.00	Wash 75 lks. wide descends N. W.
64.50	Wash 60 lks. wide descends N. W.
80.00	Set a sandstone 20 x 14 x 6 ins. 15 ins. in the ground. for cor. to Secs. 19. 24. 25 and 30. marked with 2 notches on S. and 4 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 3rd rate.
	Vegetation grass.

North Between Sections 19 and 24.

Variation 14° 20' East.

39.00	Wash 50 lks. wide descends W.
40.00	Set a sandstone 16 x 10 x 8 ins. 11 ins. in the ground for ¼ sec.

Tp. 35 N. Between Ranges 45 and 46 W. of the 6th P. M.

Chains

cor. marked ¼ on W. face. dug pits 18 × 18 × 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

70.24 Intersect the North Boundary of Nebraska 3. 37 Chains E. of Mile Post No. 154 and at point of intersection set a Sand Stone 25 × 12 × 6 ins. 18 ins. deep - for Closing Corner to fractional Townships 35 N. Ranges 45 and 46 W. marked "C.C.T 35" on the S. and 6 notches on the E. and W. sides. dug pits 30 × 24 × 18 ins. E. W. and S. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

Tp. 35 N. Between Ranges 45 and 46 W. of the 6th P. M.

Chains

Mile Post No. 154 was destroyed the Post was gone and the pits nearly filled. I set a Pine Post 4 ft. long 4 ins. square in old mound for Mile Post No. 154 marked "154 M" on E. "NEB" on S. and "DAK." on the N. sides. I redug the pits and rebuilt mound.

Note. Unfavorable weather prevented me from observing for Latitude at noon. From previous observations I am sure my compass is in perfect adjustment.

General Description

The land in Township 35 N. Range 45 W. is gently rolling. The soil is mostly 1st rate and where cultivated good crops are grown. The Sioux Indian Reservation covers nearly the

Chains

entire Township and includes the improvement of several settlers.
The general drainage is to the N.E.

J. H. Fairfield July 1st 1882.

Before establishing the line between Ranges 46 and 47 W. Townships 33 N. I set my compass at the Standard Corner to Townships 33 N. Ranges 46 and 47 W. and carefully tested it. particularly the latitude and reversing apparatus and found it to be in perfect adjustment. At noon I observed for Latitude and obtained 42° 48' N.

The Corner to Tps. 33 N. Rs. 46 and 47 W. is a pine post 4 ft. long 4 ins. square, properly marked, Which I found lying alongside a mound of

Chains

earth with pits. I reset the Post in old mound, redug the pits and rebuilt mound of earth around the Post. Thence I run.

North Between Sections 31 and 36.

Variation 14° 20' East.

10.00 Enter Sparse pine timber brs. E. and W. and descend N. slope.

21.00 Bottom of cañon descends S.E. & ascend.

30.00 Top of spur from W. and descend.

40.00 Set a Pine Post 4 ft. long 4 ins. square. Charred stake 18 ins. deep. for 1/4 sec. cor. marked "1/4 S." on W. face. dug pits 18 × 18 × 12 ins. N. and S. of Post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside. From which a Pine 16 ins. in diam. brs. S. 15° E. 60 lks. dist. Marked "1/4 S. B.T." A Pine 10 ins. in diam.

Tps. 33 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

brs. N. 12° W. 54 lks. dist. marked "1/4 S.B.T."

47.50 Bottom of ravine descends N.W. and ascend.

76.00 Top of spur from E. and descend.

80.00 Set a Pine Post 4 ft. long 4 ins. square. Charred stake 18 ins. in the ground. For Corner to Sections 25. 30. 31 and 36. Marked "T. 33 S. 30" on N.E. "R. 46 S. 31" on S.E. "S. 36" on S.W. and "S. 25" on N.W. face. with 1 notch on S. and 5 on N. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base around Post. There are no trees within limits. The corner falls in a grassy park. ~~Land mountainous~~ 7000 ~~1000~~ broken. Soil 3rd rate. Vegetation grass. Dense Pine timber. 70 Chs. mountainous. 10 Chs. broken.

Tps. 33 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

North Between Sections 25 and 30.

Variation 14° 20' East.

33.00 Bottom of cañon in creek 3 lks. wide runs. N.W. and ascend.

✓ 40.00 Set a Pine Post 4 ft. long 4 ins. square. Charred stake 18 ins in the ground. For 1/4 sec. cor. marked 1/4 S on W. face. dug pits 18 x 18 x 12 ins. N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

× 71.00 Top of ridge brs. E. and W.

75.00 Descend N. Slope.

80.00 Set a Pine Post 6 ft. long 4 ins. square. Charred stake 28 ins. deep; For corner to Sections 19. 24. 25 and 30. Marked "T. 33 S. 19" on N.E. "R. 46 S. 30" on S.E. "S. 25 on S.W." and "S. 24" on N.W. faces. with 2 notch

Tps. 33 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

on S. and 4 on W edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base around post.

Land mountainous.

Soil 3rd rate.

Vegetation grass and weeds.

~~80 Chs mountainous.~~

North Between Section 19 and 24

Variation 14° 20' East.

Descend.

6.50 Bottom of cañon descends N.W. and ascend over W. slope.

18.00 Bottom of cañon descends N.W. and ascend over W. slope.

31.00 Bottom of cañon descends N.W. and ascend over W. slope.

38.00 Bottom of cañon descends S.W. and ascend S. slope.

40.00 Set a Pine Post 5 ft. long 4 ins.

Tps. 33 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

square. Charred stake 30 ins. in the ground. For ¼ sec. cor. marked ¼ S on W. face. dug pits 18×18×12 ins. N. and S. of Post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.

50.00 Top of spur from E. and descend.

65.00 Bottom of ravine descends W. and ascend.

80.00 Set a Sand stone 24×18×8 ins. 18 ins. in the ground. For cor. to Secs. 13. 18. 19 and 24. marked with 3 notches on W. and S. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. From which a Pine 12 ins. in diam. brs. S. 40° E. 66 lks. dist. Marked "T. 33 R. 46 S. 19 B.T." A Pine 18 ins. in diam. brs. N. 45° E. 65 lks.

Tps 33 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

dist. Marked "T. 33 R. 46 S. 18 B.T."
A. Pine 20 ins. in diam. brs. N. 45° W.
66 lks. dist. Marked "T. 33 R. 47 S. 13 B.T."
no other trees within limits.
Land mountainous.
Soil 3rd rate.
Vegetation grass. Sparse pine timber.
~~80. Chains Mountainous.~~

North Between Sections 13 and 18.
Variation 14° 20' E.

Ascend.

8.00 Top of spur from E. and descend.
40.00 Set a Pine Post 4 ft. long 4 ins. square.
Charred stake 18 ins. deep. for 1/4 sec.
cor. marked 1/4 S. on W. face.
dug pits 18 x 18 x 12 ins N. and S. of Post.
5 1/2 ft. dist. and raised a mound of
earth 1 1/2 ft. high 3 1/2 ft. base around
Post.

Tps 33 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

44.00 Perpendicular cliff of white sandstone
60 ft. high. Leave sparse pine timber
brs. E. and W.

71.00 Deep washout 160 lks. wide descends N.W.
at Base of mountain brs. E. and W.

80.00 Set a White Sandstone 20 x 12 x 10 ins.
15 ins. in the ground. for cor to
sections 7. 12. 13 and 18 marked with
4 notches on S. and 2 on N. edges.
dug pits 18 x 18 x 12 ins. in each
section 5 1/2 ft. dist. and raised a
mound of earth 2 ft. high 4 1/2 ft.
base alongside.
Land 9.00 broken & 71.00 Mountainous.
Soil 4th rate.
Vegetation grass. Sparse pine
timber.
~~71. Chs. mountainous.~~
~~9. Chs. broken~~

Township 33 N. Between Ranges 46 and 47 W. of the 6th P. M.

Chains

North Between Sections. 7 and 12.

Variation 14° 20' East.

11.00 Wash 60 lks. wide descends W.

39.00 Wash 75 lks. wide descends W.

40.00 Set a Sand stone 16 x 12 x 4 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of Stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

43.50 Telegraph line from Pine Ridge Agency to Fort Robinson brs. E. and W.

56.00 Wagon road from Pine Ridge Agency to Fort Robinson brs. E. and W.

80.00 Set a Sand Stone 20 x 14 x 4 ins. 15 ins. in the ground. for cor. to secs. 1. 6. 7 and 12. Marked with 5 notches on S. and 1 on N. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a

Township 33 N. Between Ranges 46 and 47 W. of the 6th P. M.

Chains

mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass and weeds.

North Between Sections 1 and 6.

Variation 14° 20' East.

40.00 Set a Sand Stone 24 x 18 x 3 ins. 18 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of Stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

80.00 Set a Sand Stone 30 x 8 x 8 ins. 20 ins. in the ground. for corner Townships 33 and 34 N. Ranges 46 and 47 W. Marked with 6 notches on each edge. dug pits 24 x 18 x 12

Between Tps. 33 and 34 N. R 46 W. of the 6th P. M.

Chains

ins. lengthwise on each line
N.S. E. and W. of stone 6 ft. dist.
and raised a mound of earth
2½ ft. high 5 ft. base alongside.
Land rolling.
Soil 2nd rate.
Vegetation grass.
J. H. Fairfield July 3rd. 1882

From the Corner to Townships
33 and 34 N. Ranges 46 and 47 W.
I run east on a random line.
between said townships the
variation of my compass being
14° 30' E.. I set temporary half
mile and mile corners at each 40 and
80 Chains. and find the township
line to be 6 miles and 10 lks. long
and the falling to be 280 lks. S. of the
corner to Townships 33 and 34 N.

Between Tps. 33 and 34 N. R 46 W. of the 6th P. M.

Chains

Ranges 45 and 46 W.
The correction for the true line
will therefore be 10 lks E.
and 47 lks N. per mile and its course
will be S 89° 40' W.

From the corner to Townships
33 and 34 N. Ranges 45 and 46 W.
I run
S. 89° 40' W. on a true line between
Sections 1 and 36.
Variation 14° 30' E.

20.00 Top of divide brs. N W. and S.E. and
Enter sparse pine timber brs. N+S.

40.00 Set a sand stone 15×8×8 ins.
10 ins. in the ground. for ¼ sec.
cor. marked ¼ on N. face. dug
pits 18×18×12 ins. E. and W. of stone
5½ ft. dist. and raised a mound of
earth 1½ ft. high 3½ ft. base alongside.

Between Tps. 33 and 34 N. R 46 W. of the 6th P.M.

Chains	
46.00	Bottom of gulch descends S.W. and ascend E. slope.
56.50	Top of spur from N. and descend.
62.00	Bottom of gulch descends S.W. and ascend
66.00	Top of spur from N. and descend
76.50	Bottom of gulch descends S.W.
80.00	Set a Sand stone 22×15×4 ins. 16 ins. in the ground. For. cor. to Secs. 1. 2. 35 and 36. marked with 1 notch on E. and 5 on W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. and raised a mound of earth 2 ft. high 4½ ft. base alongside. From which a pine 5 ins. in diam. brs. S. 59° E. 15 lks. dist. marked "T. 33 R 46. S. 1 B.T." A Pine 10 ins. in diam. brs. S. 25° W. 14 lks. dist. marked

Between Tps. 33 and 34 N. R 46 W. of the 6th P.M.

Chains	
	"T. 33 R. 46 S. 2 B.T." A Pine 15 ins. in diam. brs. N. 56° W. 61 lks. dist. marked "T. 34 R. 46 S. 35 B.T." A Pine 8 ins. in diam. brs. N. 12° E. 50 lks. dist. marked T. 34 R. 46 S. 36 B.T."
	Land 60.00 Mountainous and 20.00 broken.
	Soil 3rd rate.
	Vegetation grass. Sparse pine timber.
	60. Chs. mountainous. 20 Chs broken.
	S. 89° 40' W. on a true line between Sections 2 and 35.
	Variation 14° 30' E.
17.00	Bottom of carrow descends S.W. and ascend E. slope.
25.00	Top of Bluff brs. N.W. and S.E.
40.00	Set a Sand stone 12×12×3 ins. 9 ins.

Between Tps. 33rd and 34th N. R. 46 W. of the 6th P. M.

Chains

in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside. Down which a Pine 20 ins. in diam. brs. S. 68° W. 21 lks. dist. marked "1/4 S. B. T." A Pine 24 ins. in diam. brs. N. 55° E. 60 lks. dist. Marked "1/4 S. B. T."

48.00 Gulch 80 lks. wide descends S. W. and leave Sparse pine timber brs. N. and S.

80.00 Set a Sand stone 16 x 14 x 4 ins. 11 ins. in the ground. for cor. to Secs. 2. 3. 34. and 35. Marked with 2 notches on E. and 4 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth

Between Tps. 33rd and 34th N. R. 46 W. of the 6th P. M.

Chains

2 ft. high 4 1/2 ft. base alongside.

Land. broken.

Soil 3rd rate.

Vegetation grass & sparse pine timber.

S. 89° 40' W. on a true line between Sections 3. and 34.

Variation 14° 30' E.

40.00 Set a Sand Stone 16 x 14 x 4 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

60.00 Wagon road brs. N. W. and S. E.

71.00 Spring branch 6 lks. wide runs N. W.

72.50 Pine Ridge Agency and Port Robinson Telegraph line. brs. N. and S.

80.00 Set a sandstone 16 x 13 x 5 ins.

Between Rs. 33 and 34 N. R. 46 W. of the 6th P. M.

Chains	
	11 ins. in the ground. for cor. to secs. 3, 4, 33 and 34. marked with 3 notches on E. and W. edges. dug pits 18 x 18 x 12 ins. one each sec. 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.
	S. 89° 40' W. on a true line between secs. 4 and 33.
	Variation 14° 30' E.
20.00	Drain 20 lks. wide descends N. W.
39.00	Old wagon road brs. N. and S.
40.00	Set a sand stone 14 x 10 x 3 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. and W.

Between Rs. 33 and 34 N. R. 46 W. of the 6th P. M.

Chains	
	of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
53.50	Wagon road brs. N. and S. from Post Robinson to Camp Meridian
68.00	Old wagon road brs. N. and S.
77.50	Beaver Creek 10 lks. wide runs N. W.
80.00	Set a sand stone 24 x 24 x 4 ins. 18 ins. in the ground. for cor. to secs. 4, 5, 32 and 33. marked with 4 notches on E. and 2 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. From which an Elm 16 ins. in diam. bs. N. 40° W. 33 lks. dist. marked "T. 34 R. 46 S. 32 B. T." no other trees within limits.
	Land rolling.

Between Brs. 33 and 34 M. R. 46 W. of the 6th P. M.

Chains	
	Soil 2nd rate
	Vegetation grass & weeds. Sparse
	Elm timber on Beaver creek.
	S. 89°40' W. on a true line between
	Secs. 5 and 32.
	Variation 14° 30' East.
36.00	Old Wagon road brs. N. and S.
40.00	Set a sandstone 18×16×4 ins.
	12 ins. in the ground, for 1/4 sec.
	cor. marked 1/4 on N. face, dug
	pits 18×18×12 ins. S. and W. of stone
	5 1/2 ft. dist. and raised a mound of
	earth 1 1/2 ft. high 3 1/2 ft. base
	alongside
71.00	Drain 30 lks. wide descends N.E.
80.00	Set a sand stone 20×20×4 ins.
	15 ins. in the ground. for
	cor. to Secs. 5. 6. 31 and 32. marked
	with 5 notches on E. and 1 on W. edges.

Between Brs. 33 and 34 M. R. 46 W. of the 6th P. M.

Chains	
	dug pits 18×18×12 ins. in each sec.
	5 1/2 ft. dist. and raised a mound of
	earth 2 ft. high 4 1/2 ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass and weeds.
	S. 89°40' W. on a true line between
	Sections 6 and 31.
	Variation 14° 30' E.
40.00	Set a sand stone 14×12×3 ins.
	10 ins. in the ground. for 1/4 sec.
	cor. marked 1/4 on W. face
	dug pits 18×18×12 ins. S. and W. of
	stone 5 1/2 ft. dist. and raised a
	mound of earth 1 1/2 ft. high 3 1/2
	ft. base alongside.
54.00	Top of round sandstone butte
	50 ft. high and descend perpend-
	icular banks on E. and W. sides.

Between Tps. 33 and 34 N. R. 46 W. of the 6th P. M.

Chains	
80.10	The corner to townships 33 and 34 N. Ranges 46 and 47 W.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

Note. I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus. and found it correct. I also observed for latitude and obtained 42° 55' N.

General Description

The land in Township 33 N. Range 46 W. is mostly broken. There is considerable Pine timber in the southern portion. The N.W. part is rolling and the soil is mostly 1st rate. The abandoned Military

Between Tps. 33 and 34 N. R. 46 W. of the 6th P. M.

Chains	
	Camp — Camp Sheridan is in the northern portion. Mrs. Powers Ranch is in the northern part on Beaver creek. The general drainage is to the W.

J. E. Fairfield July 4th 1882.

Geo. S. Smith

No 3

Contract No. 7 Continued

Field Notes
of
The Exterior Lines of
Townships 34 and 35 N.
Range 46 W. of
the Sixth Principal Meridian
by
Joseph H. Fairfield Deputy Surveyor.
Under his contract of June 6th 1882
Survey commenced July 4th 1882
Survey completed July 5th 1882

Lat. 34 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains	
	From the corner to Townships 33 and 34 N. Ranges 46 and 47 W. Land North Between Sections 31 and 36.
	Variation 14° 20' East.
40.00	Set a Limestone 14×14×4 ins. 10 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
55.50	Old Trail bs. N.E. and S.W.
65.00	Old Trail bs. E. and W.
80.00	Set a Limestone 16×10×6 ins. 11 ins. in the ground. For corner to sections 25. 30. 31 and 36. marked with 1 notch on S. and 5 on Wedges. dug pits 18×18×12 ins. in each section 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside

Dk 34 N. Between Ranges 46 and 47 W. of the 6th P. M.

Chains	
	Land rolling and level.
	Soil 2nd rate.
	Vegetation grass.
	North Between Sections 25 and 30.
	Variation 14° 20' East.
2.00	Old Trail brs. N.W. and S.E.
21.50	Wagon road from Fort Robinson to Pine Ridge Agency brs. N.E. and S.W.
40.00	Set a Limestone 15 x 10 x 8 ins. 10 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
45.00	Begin gradual ascent of E. slope.
77.50	Old Trail brs. N.W. and S.E.
80.00	Set a Limestone 18 x 15 x 8 ins. 12 ins. in the ground. For corner to sections 19. 24. 25 and 30. marked with 2 notches

Dk 34 N. Between Ranges 46 and 47 W. of the 6th P. M.

Chains	
	on S. and 4 on W. edges dug pits 18 x 18 x 12 ins. in each section 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling and level.
	Soil 2nd rate.
	Vegetation grass.
	North Between Sections 19 and 24.
	Variation 14° 20' East
20.00	Top of rolling divide brs. N.E. and S.W. and descend.
39.75	Bottom of divide in draw descends N.E.
40.00	Set a Limestone 16 x 8 x 8 ins. 11 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.
80.00	Set a Limestone 15 x 15 x 6 ins. 10 ins. in the ground. For cor. to secs. 13. 18. 19 and

Of 34 N. Between Ranges 46 and 47 W. of the 6th P. M.

Chains

24. marked with 3 notches on S. and N. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

North Between Sections 13 and 18.

Variation 14° 20' East.

40.00 Set a Limestone 15×13×6 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

66.50 Cross Beaver creek 25 lks wide runs N.W.

80.00 Set a Limestone 15×12×4 ins. 10 ins. in the ground. for cor. to Secs. 7. 12. 13 and 18. marked with 4 notches

Of 34 N. Between Ranges 46 and 47 W. of the 6th P. M.

Chains

S. and 2 on N. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

North Between Sections 7 and 12.

Variation 14° 20' East.

40.00 Set a Limestone 14×10×6 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

41.50 Drain 20 lks. wide descends W. and ascend

80.00 Set a Limestone 18×12×5 ins. 12 ins. in the ground. for cor. to secs. 1. 6. 7 and 12. marked with 5 notches

T. 34 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

on S. and 1 on N. edges. dug pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raised a mound of earth 2½ ft. high 4½ ft. base alongside.

Land rolling.

Soil 3rd rate.

Vegetation grass.

North Between Sections 1 and 6.

Variation 14° 20' East.

30.00 Ascend S. slope.

40.00 Set a Limestone 20 x 15 x 5 in. 15 in. in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18 x 18 x 12 in. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

42.00 Top of spur from N.E. and descend.

61.00 Bottom of ravine descends W. W. and ascend.

66.00 Top of spur from N.E. and descend.

T. 34 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

73.00 Bottom of ravine descends S. W. and ascend

80.00 Set a Flint stone 36 x 10 x 10 in. 18 in. deep. for corner to Townships 34 and 35 N. Ranges 46 and 47 W. marked with 6 notches on each edge. dug pits 24 x 18 x 12 in. lengthwise on each line N. S. E. and W. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside.

Land rolling and broken.

Soil 3rd rate.

Vegetation grass.

J. H. Fairfield July 4th 1882.

From the corner to Townships 34 and 35 N. Ranges 46 and 47 W. I run east on a random line between said townships. The variation of my compass being 14° 36' E. I set temporary half mile and mile corners at each 40 and 80 Chains. and find the township line to be

Between Tps. 34 and 35 N. Range 46 W. of the 6th P.M.

Chains	
	5 miles 77 chs. and 87 lks. long, and the falling to be 1 chain 40 lks. S. of the corner to Townships 34 and 35 N. Range 45 and 46 W. The correction for the true line will therefore be 2 chs. and 13 lks. W. per mile and its course will be S. 89° 50' W.
	From the corner to townships 34 and 35 N. Ranges 45 and 46 W. I run S. 89° 50' W. on a trae line between sections 1 and 36.
	Variation 14° 36' East
11.00	Old Trail brs. N.E. and S.W.
40.00	Set a Limestone 14 x 14 x 4 ins. 10 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 3½ ft. dist. and raised a mound of earth 1½ ft.

Between Tps. 34 and 35 N. Range 46 W. of the 6th P.M.

Chains	
	high 3½ ft. base alongside.
40.50	Wash 70 lks. wide descend N.W. and ascend.
64.65	Old Trail brs. N.E. and S.W.
80.00	Set a Limestone 20 x 14 x 5 ins. 15 ins. in the ground. For cor. to Secs. 1. 2. 35 and 36. marked with 1 notch on E. and 5 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 3rd rate. Vegetation grass.
	S. 89° 50' W. on a true line between sections 2 and 35.
	Variation 14° 36' East.
8.50	Wagon road from Port Robinson to Pine Ridge Agency brs. N.E. and S.W.

Between Twps. 34 and 35 N. Range 16 W. of the 6th P.M.

Chains	
40.00	Set a Limestone 16 x 14 x 7 ins. 11 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of Stone 5 1/2 ft. distant and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
48.25	Drain 20 lks. wide descends N.W.
50.00	Old Trail brs. N. and S.
80.00	Set a Limestone 24 x 12 x 5 ins. 18 ins. in the ground. For cor. to secs. 2. 3. 34 and 35. marked with 2 notches on E. and 1 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

Between Twps. 34 and 35 N. Range 16 W. of the 6th P.M.

Chains	
	S. 89° 50' W. on a true line between Sections 3 and 34.
	Variation 14° 36' East.
17.00	Top of divide. brs. N.W. and S.E.
40.00	Set a Limestone 16 x 14 x 6 ins. 11 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of Stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
40.50	Drain 30 lks. wide descends N.W. at foot of Bluff.
80.00	Set a Limestone 24 x 12 x 6 ins. 18 ins. in the ground. For cor. to secs. 34. 33 and 34. marked with 3 notches on E. and 1 W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Between Tps. 34 and 35 N. Range 46 W. of the 6th P.M.

Chains	
	Land rolling.
	Soil 3rd rate.
	Vegetation grass.
	S. 89° 50' W. on a true line between Sections. 4 and 33.
	Variation 14° 36' East.
10.00	Bottom of ravine descends N. and ascend N.E. slope.
25.00	Top of spur from S. and descend.
32.50	Bottom of gulch N and ascend.
40.00	Set a Limestone 16 × 10 × 6 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 × 18 × 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
53.00	Top of Spur from S. and descend.
74.00	Bottom of gulch descends N and ascend.

Between Tps. 34 and 35 N. Range 46 W. of the 6th P.M.

Chains	
80.00	Set a Limestone 20 × 14 × 4 ins. 15 ins. in the ground. for cor. to Secs. 4. 5. 32 and 33. marked with 4 notches on E. and 2 on W. edges. dug pits 18 × 18 × 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land mountainous ~~and broken~~.
	Soil 3rd rate.
	Vegetation grass. Sparse pine and cedar timber on Spurs
	~~68 Chs. mountainous,~~
	~~12 Chs. broken.~~
	S. 89° 50' W. on a true line between Secs. 5 and 32.
	Variation 14° 36' East.
	Ascend
34.00	Top of divide brs. N.W. and S.E.
40.00	Set a Limestone 15 × 10 × 6 ins.

Between Tps. 34 and 35 N. Range 46 W. of the 6th P.M.

Chains	
	10 inc. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 inc. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
73.70	Top of divide bes. W. ft and S.E. and descend.
80.00	Set a Limestone 25 x 14 x 5 inc. 18 inc. in the ground. for corner to Sections 5. 6. 31 and 32. marked with 5 notches on E. and 1 on W. exp. dug pits 18 x 18 x 12 inc. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside. 4030 3970 level
	Land mountainous and ~~rolling~~
	Soil 3rd rate.
	Vegetation grass. Cedar and Pine timber in gulch.
	~~Sec. Cho.~~ mountainous.

Between Tps. 34 and 35 N. Range 46 W. of the 6th P.M.

Chains	
	S 89° 50' W on a true line between Sections 6 and 31.
	Variation 14° 36' East.
	Descend.
38.25	Bottom of ravine descends S.W. and ascend.
40.00	Set a Limestone 15 x 8 x 6 inc. 10 inc. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 inc. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
53.50	Top of spur from N.E. and descend.
66.25	Bottom of ravine descends S.W. and ascend.
75.00	Top of spur from N.E. and descend.
77.57	The corner to Townships 34 and 35 N. Ranges 46 and 47 W.
	Land mountainous ~~in Timber~~
	Soil 2nd rate.

Between Tps. 34 and 35 N. Ranges 46 W. of the 6th P.M.

Chains

Vegetation grass.

~~1,787 Chs. Mountainous.~~

Note. I carefully examined the adjustments of my solar compass today. particularly the latitude and reversing apparatus and found it to be in perfect adjustment. I also observed for Latitude and found 42°58' N. to be correct.

General Description

Township 34 N. Range 46 W. is well watered by Beaver and Beaver Creeks. The land in the S.E. portion is broken and mountainous but in the greater portion of the Tp. it is rolling and the soil is of good quality Mr. Arledge has a ranch in the

Tp. 35 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

N.W. portion. The vegetation consists chiefly of a fine growth of grass. The general drainage is to the North.

From the corner to Townships 34 and 35 N. Ranges 46 and 47 W. I run North Between Sections 31 and 36.

Variation 14° 20' East

Ascend.

24.00	Top of spur from W.E. and descend.
35.25	Drain 30 lks wide descends W.
40.00	Set a Magnesian Limestone 20 x 14 x 3 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. Dug pits 18 x 18 x 12 ins. N. and S. of Stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
80.00	Set a magnesian Limestone

T. 35 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

24 x 16 x 8 ins. 18 ins. deep. Jor cor. to Secs. 25. 30. 31 and 36. marked with 1 notch on S. and 5 on W. edges. From which a Bud 5 ins. in diam. brs. S. 14° W. 20 lks. dist. marked "T. 35. R 47 S. 36 B.T."

A Pine 3 ins. in diam. brs. W. 32° E. 7 lks. dist. marked "T. 35 R 46 S. 30 B.T."

A Pine 8 ins. in diam. brs. S. 52° E. 47 lks. dist. marked "T. 35. R 46 S 31 B.T." no other trees within limits. dug pit 18 x 18 x 12 ins. in Sec. 25. 5½ ft. dist. and raised a mound of earth alongside stone.

Land rolling.

Soil 3rd rate.

Vegetation grass. Sparse Pine and cedar timber along line.

T. 35 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains

North Between Sections 25 and 30.

Variation 14° 20' East.

4.00 Set a Limestone 14 x 10 x 6 ins. 10 ins. in the ground. Jor cor. to 4 sec. cor. marked 4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.

80.00 Set a Limestone 22 x 18 x 4 ins. 16 ins. in the ground. Jor cor. to Secs. 19. 24. 25 and 30. marked with 2 notches on S. and 4 on W. edges. dug pits 15 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling. Soil 3rd rate.

Vegetation grass. Sparse pine timber.

T. 35 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains	
	North & Between Sections 19 and 24.
	Variation 14° 20' East.
18.50	Wash 60 lks. wide descends W. E.
40.00	Set a Limestone 14 x 12 x 4 ins. 10 ins. in the ground for 4 sec. cor. marked 4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 8½ ft. base alongside.
71.00	Alkali Creek 10 lks. wide runs W.
71.34	Intersect the North Boundary of Nebraska 2. 29 chs. E. of Mile Post No 160. and at point of intersection Set a Limestone 30 x 14 x 4 ins. 20 ins. deep for Closing Corner to Fractional Township 35 N. Ranges 46 and 47 W. marked C.C. on S. with 6 notches on E. and W. edges. dug pits 30 x

T. 35 N. Between Ranges 46 and 47 W. of the 6th P.M.

Chains	
	34 x 18 ins E. W. and S. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside.
	Land rolling.
	Soil 3rd rate.
	Vegetation grass.

General Description

Township 35 N. Range 46 W. is mostly broken The soil is 2nd rate and the vegetation consists of a good growth of grass. There is some fine timber in the S.E. part. Mrs Roberts Claim is on the central portion on Alkali Creek. The general drainage is to the W. W.

J. H. Fairfield July 5th 1882.

I hereby certify, that in the survey of the forgoing Exterior Lines, where stone smaller than the size required were set it was on account of the scarcity of stone in the vicinity. Wherever the country was accessible by wagons, I hauled suitable stone for corner monuments: and where the pits were not dug 1 mtr. deep it was owing to the nature of the ground which made it impracticable to dig them deeper with pick and spade.

Joseph H. Fairfield
U.S. Depy. Surveyor.

List of Names.

A List of the Names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the Exterior Lines of Township 34 and 35 N., Range 43 N. and Townships 33, 34 and 35 N., Ranges 44, 45 and 46 N. of the 6th Prin. Mer. and the Boundary Lines of the Sioux Indian Reservation in Nebr.

showing the respective capacities in which they acted.

William Gingery, Chainman.
William Pickett, Chainman.
Henry F. Baer, Axeman.
Michael Gibbins, Moundman.

Final Oath of Assistants.

We hereby certify that we assisted Joseph H. Fairfield Deputy Surveyor, in surveying the Exterior Lines of Townships 34 and 35 N., Range 43 W. and Townships 33, 34 and 35 N. Ranges 44, 45 and 46 W of the 6th Prin Mer. and the Boundary Lines of The Sioux Indian Reservation in Nebr. and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor-General.

William H. Gingery } Chainman.
William his Picket mark }
Henry F. Baer, Axeman.
Michael Cribbins, Moundman.

Witness
Owen E. Ford

Subscribed and sworn to before me this 20th day of December, 1882.

Charles W. Brown
Notary Public

Final Oath of Deputy.

I, Joseph H. Fairfield, United States Deputy Surveyor, do solemnly swear, that I have, in my own proper person and with the necessary assistance, well, truly and faithfully executed the Survey of the Exterior lines of Townships 34 and 35 N., Range 43 W. and Townships ~~surveys of~~ 33, 34 and 35 N., Ranges 44, 45 and 46 W. of the Sixth Principal Meridian in Nebr. and the Boundary Lines of The Sioux Indian Reservation in Nebraska under my contract with George S. Smith United States Surveyor-General for Nebraska; bearing date 6th day of June, 1882, that in making the said survey I have used only such instruments as were approved by the said Surveyor-General, exercising due care in

the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for alignment upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public land surveys, the surveying manual, and such additional instructions as have been furnished me by and through the Surveyor-General relating to the aforesaid survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true and correct returns of the said surveys.

Joseph H. Fairfield

U. S. Deputy Surveyor.

Subscribed and sworn to before me this 20th day of December, 1882.

Charles W. Brown

Notary Public

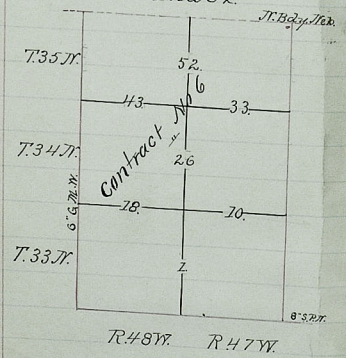
U. S. Surveyor General's Office
Plattsmouth, Neb. 1883.

The foregoing Field Notes of the survey of the exterior lines of Tps. 34 & 35 N. R. 43 W. & Tps. 33-34 & 35 R. 44-45 & 46 W. of the Principal Base & Meridian in the State of Nebr. executed by Joseph H. Fairfield U. S. Deputy Surveyor, under his contract No. 7 dated June 6, 1882 in the months of June & July 1882, having been critically examined, the necessary corrections and explanations made, the said Field Notes & the surveys they describe are hereby approved.

Geo. S. Smith
U. S. Surveyor General

Field Notes
of
The Survey of the Exterior Lines
of
Townships 33. 34 and 35 North
Range 47 and 48 West of
the 6th Principal Meridian in
Nebraska
by
Frank S. Ward U.S. Deputy Surveyor.
Under his contract of June 6th 1882.
Survey commenced July 6 1882.
Survey completed " 10th 1882.

Index.


N. Bdy. Neb.
T.35N.
52.
6
43.
33.
Contract No 6
T.34N.
26
6" G.M.W.
18.
10.
T.33N.
1.
8" S.P.N.
R.48W.
R.47W.

Preliminary Oath of Assistants.

I, Charles La Rue, do solemnly swear that I will well and truly perform the duties of Axeman according to instructions given me, and to the best of my skill and ability.

Charles La Rue

Subscribed and sworn to, before me, this ..... day of ....., 188..

Charles W. Brown
Notary Public

We George Pennel and Mark Draper do solemnly swear that we will faithfully execute the duties of Chain carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by

sticking or dropping the same; that we will report the true distanc to all notable objects, and the true length of all lines; that we wi assist in measuring, to the best of our skill and ability.

George Pennel
Mark Draper

Subscribed and sworn to, before me, this ..... do of ....., 188..

Charles W. Brown
Notary Public

I, Charles Hilton

do solemnly swear that I will well and truly perform the duties of Moundman according to instructions given me, and to the best of my skill and ability.

Charles Hilton

Subscribed and sworn to, before me, this ..... day of, ..., 188....

Charles N. Brown
Notary Public

Tps. 33 N. Between Ranges 47 and 48 W. of the 6th P.M.

Chains	
	Before establishing the line between Ranges 47 and 48 W. Tps. 33 N. I set my compass at the Standard Corner to Townships 33 N. Ranges 47 and 48 W. and thoroughly tested it. Particularly the latitude and reversing apparatus and found it to be in perfect adjustment. I also observed for Latitude and obtained 42° 48' N.

	The Standard Corner to Townships 33 N. Ranges 47 and 48 W. is a Pine Post 4 ft. long 4 ins. square, properly marked, standing in a mound of earth with pits. I redug the pits and rebuilt mound. Thence I run North Between sections

Des. 33 M. Between Rs. 27 and 28 W. of the 6th P.M.

Chains	
	31 and 36.
	Variation 14° 30' East.
	From corner descend north slope.
38.00	Wash 70 lks. wide descends N.W. at foot of North slope
39.00	Wash 80 lks. wide descends N. W.
40.00	Set a sandstone 14 x 10 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.00	Set a sandstone 20 x 10 x 4 ins. 15 ins. in the ground for cor. to Secs. 25. 30. 31 and 36 marked with 1 notch on S. and 5 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Des. 33 M. Between Rs. 27 and 28 W. of the 6th P.M.

Chains	
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

	North Between sections 25 and 30.
	Variation 14° 30' East.
40.00	Set a Sandstone 14 x 10 x 4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5 ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
70.50	Wagon road bes. N.W. and S.E.
72.00	Estes bottom land bes. E. and W.
76.00	Big Bordeaux Creek 10 lks. wide runs N.W.
77.00	Same creek 10 lks. wide runs W.E.
80.00	Set a sandstone 20 x 18 x 6 ins. 15 ins. in the ground. for cor. to Secs. 19. 24. 25 and 30. marked with 2 notches on S. and 4 on W. edges.

Tps. 33 N. Between Rs. 47 and 48 W. of the 6th P. M.

Chains

dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
Land gently rolling.
Soil 2nd rate.
Vegetation grass and weeds.

North Between Sections 19 and 24.
Variation 14° 30' East.

2.00 Enter Low bottomland brs. N.W. and S.E.
12.00 Old Wagon Drail brs. N.W. and S.E.
17.00 Big Bordeaux Creek 10 lks wide runs N.W.
24.00 Leave Low bottomland brs. N.W. and S.E.
29.00 Wagon road brs. N.W. and S.E.
40.00 Set a sandstone 14×12×4 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth

Tps. 33 N. Between Rs. 47 and 48 W. of the 6th P. M.

Chains

1½ ft. high 3½ ft. base alongside,
43.00 Wagon road brs. N.W. and S.E.
80.00 Set a sandstone 16×10×6 ins. 11 ins. in the ground, for cor. to secs. 13. 18. 19 and 24 marked with 3 notches on S. and N. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth. 2 ft. high 4½ ft. base alongside,
Land gently rolling.
Soil 2nd rate.
Vegetation grass and Weeds.

North Between Sections 13 and 18.
Variation 14° 35' East.

40.00 Set a sandstone 14×10×4 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth

Tps. 33 N. Between Rs. 47 and 48 W. of the 6th P. M.

Chains	
	1½ ft. high 3½ ft. base alongside.
47.00	Fort Robinson and Pine Ridge Agency, Wagon road brs. N.E. and S.W.
80.00	Set a Sandstone 16×10×4 ins. 11 ins. in the ground, for cor. to secs. 7. 12. 13 and 18 marked with 4 notches on S. and 2 on W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land gently rolling.
	Soil 2nd rate.
	Vegetation grass and Weeds.

North Between Sections 7 and 12.

Variation 14° 35' East.

10.50	Fort Robinson and Pine Ridge Agency Telegraph line brs. N.E. and S.W.
40.00	Set a Sandstone 12×10×6 ins. 9 ins. in the ground, for ¼ sec.

Tps. 33 N. Between Rs. 47 and 48 W. of the 6th P. M.

Chains	
	cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
61.00	Enter White Wash from the S.W. 2 Chs. wide descends North.
80.00	Set a Sandstone 16×10×4 ins. 11 ins. in the ground, for cor. to secs. 1. 6. 7 and 12 marked with 5 notches on S. and 1 on W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass and weeds.

Dis. 33 M. Between Rs. 47 and 48 W. of the 6th P. M.

Chains	
	North Between Sections 1 and 6.
	Variation 14° 35' East.
2.00	Mouth of wash from the South in a washout 3 lks. wide from the west descends E.
40.00	Set a sand stone 12 x 10 x 6 inx. 9 inx. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
76.00	Washout 80 lks. wide descends N.W.
80.00	Set a sandstone 24 x 16 x 6 inx. 18 inx. in the ground for Corner Townships 33 and 34 N. Ranges 47 and 48 W. marked with 6 notches on each edge. dug pits 24 x 18 x 12 inx. lengthwise on each line 6 ft. dist. and

Dis. 33 N. Between Rs. 47 and 48 W. of the 6th P. M.

Chains	
	raised a mound of earth 2½ ft. high 5 ft. base alongside. Land rolling. Soil 2nd rate. Vegetation grass and weeds.

From the corner to townships 33 and 34 N. Ranges 47 and 48 W. I run East on a random line between said townships. the variation of my compass being 14° 20' East. I set temporary half mile and mile corners at each 40 and 80 Chains, and find the township line to be 5 miles 77 chs. and 65 lks. long and the falling to be 2.30 lks. N. of the corner to townships 33 and 34 N. Ranges 46 and 47 W. Which is a sandstone 8 x 8 x 11 inx. above ground,

Between Tps. 33 and 34 N. R. 47 W. of the 6th P.M.

Chains

properly marked, Recently set and in good condition.
The correction for the true line will therefore be 2 Chs. 35 lks. West and 38 lks South per mile and the course will be N. 89° 44' W.

From the corner to Townships 33 and 34 N. Ranges 46 and 47 W. I run N. 89° 44' W. on a true line between Sections 1 and 36.

Variation 14° 10' East.

40.00 Set a sandstone 16 × 14 × 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 × 18 × 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 Set a sandstone 20 × 12 × 3 ins.

Between Tps. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains

15 ins. in the ground, for cor. to secs. 1, 2, 35 and 36, marked with 1 notch on E. and 5 on W. edges. dug pits 18 × 18 × 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
Land level.
Soil 2nd rate.
Vegetation grass.

N. 89° 44' W. on a true line between Sections 2 and 35.

Variation 14° 10' East.

30.00 Ft Robinson and Pine Ridge Agency Wagon road bes. N.E. and S.W.

40.00 Set a sandstone 16 × 12 × 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 × 18 × 12 ins. E. and W.

Between Secs. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains	
	of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.
52.50	Creek 10 lks. runs N.
80.00	Set a Sandstone 16 x 10 x 3 ins. 11 ins. in the ground, for cor. to Secs. 2. 3. 34 and 35 marked with 3 notches on E. and W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land gently rolling. Soil 2nd rate. Vegetation grass and weeds.
	N. 89° 47' W. on a true line between Sections 33 and 34. Variation 14° 10' East.
40.00	Set a Sandstone 14 x 10 x 4 ins.

Between Secs. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains	
	10 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
52.25	Drain 20 lks. wide descends N. E.
78.75	Wash 50 lks. wide descends N. E.
80.00	Set a Sandstone 16 x 10 x 6 ins. 11 ins. in the ground, for cor. to Secs. 3. 4. 33 and 34 marked with 3 notches on E. and W. edges. dug pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 3rd rate. Vegetation grass and weeds.

Between Ths. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains

N. 89° 44' W. on a true line
Between Sections 4 and 33.
Variation 14° 20' East.

34.00 Deep wash 85 lks. wide descends N.

40.00 Set a Sandstone 14×12×4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

77.00 Wash 60 lks. wide descends N.

80.00 Set a Sandstone 16×10×4 ins. 11 ins. in the ground, for cor. to Secs. 4. 5. 32 and 33. marked with 4 notches on E. and 2 on W. edges. dug pits 18×18×12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside

Between Ths. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains

Land rolling.
Soil 2nd rate.
Vegetation grass and weeds.

N. 89° 44' W. on a true line Between Sections 5 and 32.
Variation 14° 20' East.

13.00 Wash 120 lks. wide descends N. E.

40.00 Set a Sandstone 14×10×4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

43.00 Wash 75 lks. wide descends N. E.

80.00 Set a Sandstone 18×8×4 ins. 12 ins. in the ground. for cor. to Secs. 5. 6. 31 and 32. marked with 5 notches on E. and 1 on W. edges. dug pits 18×18×12 ins. in each

Between Tps. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains	
	Sec. 5½ ft. dist. and raised a mound of earth 3 ft. high 4½ ft. base alongside.
	Land broken.
	Soil 3rd rate.
	Vegetation grass and weeds.
	N. 89° 44' W. on a true line between Sections 6 and 31.
	Variation 14° 20' East.
8.00	Wash 60 lks. wide descends N.
40.00	Set a sand stone 14 x 8 x 4 ins. 10 ins. in the ground. For 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. 8 rds. W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
53.00	Wash 70 lks. wide descends N. W.
77.65	The Corner to Townships 33 and 34 N.

Between Tps. 33 and 34 N. Range 47 W. of the 6th P.M.

Chains	
	Ranges 47 and 48 W.
	Land rolling.
	Soil 2nd and 3rd rate.
	Vegetation grass and weeds.

General Description

The land in Townships 33 N. Ranges 47 and 48 W. is mostly rolling. The soil is 1st and 2nd rate. and the vegetation consists chiefly of a fine growth of grass. The soil is very productive where cultivated. There are a number of well improved Farms in the valley of Big Bordeaux Creek.

Mr. Nelson's Farm is in the southern portion of Tp. 33 N. R. 48 W. and Mr. Wittenmeyer's is in the northeast portion of Tp. 33 N. R. 48 W. Good building stone are to be had and

Between Dks. 33 and 34 N. Range 48 W. of the 6th P.M.

Chains

Building timber is not distant. The general drainage is to the N. W.

July 6-1882.

Before establishing the line between Townships 33 and 34 N. Range 48 W. I set my compass at the Corner to Townships 33 and 34 N. Ranges 47 and 48 W. and carefully tested it particularly the latitude and reversing apparatus and found it to be in perfect adjustment. At noon I observed for Latitude and obtained 42° 53' N.

From the corner to Townships 33 and 34 N. Ranges 47 and 48 W. I run West on a random line between said Townships, the variation of my compass being 14° 20' E. I set temporary

Between Dks. 33 and 34 N. Range 48 W. of the 6th P.M.

Chains

half mile and mile corners at each 40 and 80 Chs. and find the township line to be 5 miles 77 Chs. and 50 Lks. long and the falling to be 125 Lks. N. of the corner to Townships 33 and 34 N. Ranges 48 and 49 W. Which is a Cottonwood Post 5 ft. long 4 ins. Square, properly marked, standing in a mound of earth with pits, recently rebuilt. The correction for the true line will therefore be 21 Lks. S. per mile and the course will be W. 89° 51' E.

From the corner to Townships 33 and 34 N. Ranges 48 and 49 W. on the 6th Guide Mer. W. I run W. 89° 51' E. on a true line between Sections 6 and 31.

Between Tps. 33 and 34 N. Range 48 W. of the 6th P.M.

Chains	
	Variation 14° 20' East.
37.50	Set a sandstone 16×14×6 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. S. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
77.50	Set a sandstone 24×20×6 ins. 18 ins. in the ground. for cor. to secs. 5. 6. 31 and 32 marked with 1 notch on W. and 5 on E. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land broken
	Soil 3rd rate.
	Vegetation grass.

Between Tps. 33 and 34 N. Range 48 W. of the 6th P.M.

Chains	
	N. 89° 51' E. on a true line between sections 5 and 32.
	Variation 14° 30' East.
18.00	Enter broken White Washes.
36.00	Draw 20 lks. wide descends N.E.
40.00	Set a sandstone 14×12×6 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. S. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
61.00	Wash 50 lks. wide descends N.E.
76.00	Wash 70 lks. wide descends N.
80.00	Set a sandstone 18×10×4 ins. 12 ins. in the ground. for cor. to secs. 4. 5. 32 and 33. marked with 2 notches on W. and 4 on E. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft.

Chains

base alongside.
Land badly washed.
Soil 3rd rate.
Vegetation sparse bunch grass.

N. 89° 51' E. on a true line between sections 4 and 33.

Variation 14° 20' East.

21.00 Deep washout 150 lks. wide descends N.W.

40.00 Set a Sandstone 12×12×4 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 Set a Sand Stone 14×10×4 ins. 10 ins. in the ground, for cor. to Secs. 3. 4. 33 and 34. marked with 3 Notches on E. and W. edges. dug pits

Chains

18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
Land rolling and broken.
Soil 2nd and 3rd rate.
Vegetation grass and weeds.

N. 89° 51' E. on a true line between sections 3 and 34.

Variation 14° 20' East.

5.00 Drain 2 Chs. wide descends N.E.

40.00 Set a Sandstone 14×10×4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

45.00 Drain 20 lks. wide descends N.W.

62.00 Big Bordeaux Creek 25 lks. wide runs N.E.

Between Rs. 33 & 34 W. Range 48 W. of the 6th P.M.

Chains	
6.00	Big Bordeaux Creek 20 lks. wide runs S. W. and Enter garden.
74.00	Big Bordeaux Creek 20 lks. wide runs N. E. and Leave garden.
80.00	Set a Sandstone 20 x 10 x 6 ins. 15 ins. in the ground, for cor. to Secs. 2. 3. 34 and 35. marked with 4 notches on W. and 2 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 2nd rate. Vegetation grass and weeds.

N. 89° 51' E. on a true line between sections 2 and 35.

Variation 14° 20' East.

Chains	
40.00	Set a Sandstone 15 x 10 x 3 ins. 10 ins. in the ground, for ¼ sec. cor.

Between Rs. 33 & 34 W. Range 48 W. of the 6th P.M.

Chains	
	marked W on W. face. dug pits 18 x 18 x 12 ins. E. and W. of line 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
48.00	Drain 30 lks. wide descends W.
62.00	Drain 2 chs. wide descends N. W.
80.00	Set a Sandstone 14 x 14 x 4 ins. 10 ins. in the ground, for cor. to Secs. 1. 2. 35 and 36. marked with 5 notches on W. and 1 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 2nd rate. Vegetation grass and weeds.

N. 89° 51' E. on a true line between sections 1 and 36.

Between Dps. 33 and 34 N. Range 48 W. of the 6th P.M.

Chains

Variation 14° 20' East.

34.50 Wagon road brs N.E. and S.W.

40.00 Set a Sandstone 14×12×4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. and W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

48.00 Wash 70 lks. wide descends N.W.

80.00 The corner to Townships 33 and 34 N. Ranges 47 and 48 W.
Land rolling.
Soil 2nd rate.
Vegetation grass.

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From the corner to Townships 33 and 34 N. Ranges 47 and 48 W. Same.
North Between Sections 31 and 36.

Variation 14° 20' East.

Dp. 34 N. Between Rs. 47 and 48 W. of the 6th P.M.

Chains

40.00 Set a Limestone 15×10×5 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 Set a Limestone 14×12×8 ins. 10 ins. in the ground. for cor. to sections 25. 30. 31 and 36. marked with 1 notch on S. and 5 on N. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
Land rolling.
Soil 2nd rate.
Vegetation grass.

Tp. 34 N. Between Rs. 17 and 18 W. of the 6th P. M.

Chains

North between Sections 25 and 30.

Variation 14° 20' East.

40.00 Set a Limestone 14 x 10 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

80.00 Set a Limestone 20 x 14 x 8 ins. 15 ins. in the ground, for cor. to Secs. 19 24. 25 and 30. marked with 3 notches on S. and 4 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

Tp. 24 N. Between Rs. 17 and 18 W. of the 6th P. M.

Chains

North between Sections 19 and 24.

Variation 14° 20' East.

40.10 Set a Limestone 14 x 10 x 8 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

80.00 Set a Limestone 15 x 12 x 10 ins. 10 ins. in the ground, for cor. to Secs. 13. 18. 19 and 24. marked with 3 notches on S. and W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land rolling.

Soil 3rd rate.

Vegetation grass.

R. 34 W. Between Rs. 17 and 18 W. of the 6th P.M.

Chains

North between Sections 13 and 18.

Variation 14° 20' East.

40.00 Set a Limestone 20 x 10 x 5 ins. 15 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high & 3½ ft. base alongside.

80.00 Set a Limestone 18 x 10 x 4 ins. 12 ins. in the ground. For cor. to Secs. 7, 12, 13 and 18 marked with 4 notches on S. and 2 on W. Edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

R. 34 W. Between Rs. 17 and 18 W. of the 6th P.M.

Chains

North between Sections 7 and 12.

Variation 14° 20' East.

40.00 Set a Limestone 16 x 10 x 8 ins. 11 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high & 3½ ft. base alongside.

80.00 Set a Limestone 20 x 14 x 5 ins. 15 ins. in the ground. For cor. to Secs. 1, 6, 7 and 12 marked with 5 notches on S. and 1 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil 2nd rate.

Vegetation grass.

T. 34 N. Between R. 47 and 48 W. of the 6th P. M.

Chains	
	North between Sections 1 and 6.
	Variation 14° 20' East.
13.75	White River 80 lks. wide runs E.
40.00	Set a Limestone 15 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.00	Set a Limestone 28 x 10 x 10 ins. 18 ins. in the ground for cor. townships 34 and 35 N. Ranges 47 and 48 W. marked with 6 notches on each edge. dug pits 24 x 18 x 12 ins. lengthwise on each line 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside. Land rolling.

T. 34 N. Between R. 47 and 48 W. of the 6th P. M.

Chains	
	Soil 3rd rate,
	Vegetation grass, sparse brush and timber on River.
Note	I carefully examined the adjustments of my solar compass today particularly the latitude and reversing apparatus. and found it to be in perfect adjustment I also observed for Latitude and obtained 42° 58' N.
	From the corner to Townships 34 and 35 N. Ranges 47 and 48 W. I run East on a random line between said townships. the variation of my compass being 14° 35' East. I set temporary half mile and mile corners at each 40 and 80 chains. and fined

Between Drs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains

the township line to be 5 miles 79 Chains long, and the falling to be 3 88 lks. W. of the corner to Townships 34 and 35 N. Ranges 46 and 47 W. Which is a Flint stone 12 x 10 x 10 ins. above ground, properly marked. Recently set and in good condition. The correction for the true line will therefore be 100 lks. W. and 48 lks S. per mile and the course will be N. 89° 39' W.

From the corner to Townships 34 and 35 N. Ranges 46 and 47 W. Run N. 89° 39' W. on a true line between Sections 1 and 36.

Variation 14° 35' East.

Descend

Between Drs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains

40.00 Set a Limestone 16 x 12 x 4 ins. 11 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

47.00 Alum Creek 2 lks. wide runs N.W. and ascend.

62.00 Top of spur from S.E. and descend.

72.00 Bottom of bluff brs. N.E. and S.W.

80.00 Set a Limestone 26 x 15 x 4 ins. 18 ins. in the ground. For cor. to Secs. 1. 2. 35 and 36. marked with 1 notch on E. and 5 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land broken. Soil 3rd rate. Vegetation grass.

Between Chains Pts. 34 and 35 N. Range 47 W. of the 6th P.M.

N. 89° 39' W. on a true line between Sections 2 and 35.

Variation 14° 35' East.

31.00 Drain 20 lks. wide descends S.W.

40.00 Set a Limestone 14 x 12 x 3 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

47.00 Beaver Creek 15 lks. wide runs N.W.

64.00 Drain 20 lks. wide descends N. and ascend. E. slope.

73.00 Top of Spur from S. and descend.

78.00 Bottom of ravine descends N.E. and ascend.

80.00 Set a Flint stone 16 x 14 x 5 ins. 11 ins. in the ground. for Cor. to Secs. 2. 3. 34 and 35. marked

Between Chains Pts. 34 and 35 N. Range 47 W. of the 6th P.M.

with 2 notches on E. and 4 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land broken.

Soil 3rd rate.

Vegetation grass. Brush and Sparse Timber on creek.

N. 89° 39' W. on a true line between Sections 3 and 34.

Variation 14° 35' East.

Ascend.

19.00 Top of Spur from S. and descend.

27.00 Bottom of ravine descends N. and ascend.

37.00 Top of Spur from S. and descend.

40.00 Set a Limestone 16 x 12 x 3 ins. 11 ins. in the ground. for 1/4

Between Rs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains	
	Sec. cor. marked 4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 8½ ft. base alongside.
43.00	Bottom of gulch descends N. and ascend.
65.00	Top of spur from S. and descend.
80.00	Set a Limestone 18 x 12 x 5 ins. 12 ins. in the ground. for cor to secs. 3. 4. 33 and 34 marked with 3 notches on E. and W. edges. From which a Red Cedar 8 ins. in diam. brs. N. 23° W. 28 lks. dist. marked "B.3 S. R.47 S.33 B.T." A Red Cedar 6 ins. in diam. brs. N. 28° E. 43 lks. dist. marked "B 35 R.47 S.34 B.T." no other trees within limits. dug pits in Secs. 3 and 4. 18 x 18 x 12 ins. 5½ ft. dist. and raised a mound of earth alongside stone.

Between Rs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains	
	Land mountainous. Soil 3rd rate. Vegetation grass. Sparse Cedar timber.
	N. 89° 39' W. on a true line between Sections 4 and 33. Variation 14° 25' East. Descend.
23.00	Bottom of ravine descends N. and ascend.
29.00	Top of spur from S. and descend.
36.00	Bottom of ravine descends N. and ascend.
40.00	Set a Flint-stone 14 x 8 x 5 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 8½ ft. base alongside.
57.00	Top of spur from S. and descend.
79.00	Bottom of mountain brs. N. and S.
80.00	Set a Limestone 20 x 14 x 8 ins. 15 ins.

Between Drs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains

in the ground. For cor. to secs. 4. 5. 32 and 33. marked with 4 notches on E. and 2 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 3 ft. high 4½ ft. base alongside.

Land mountainous.

Soil 3rd rate.

Vegetation grass & sparse Cedar timber.

N. 89° 39' W. on a true line between Sections 5 and 32.

Variation 14° 35' East.

40.00 Set a Limestone 14 x 10 x 7 ins. 10 ins. in the ground. For 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. E. and W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside

Between Drs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains

58.00 Cross bend in River from W. to N. runs N.E.

65.50 White River 45 lks. wide runs N.E.

68.00 Cross bend in Road from S.W. to S.E.

80.00 Set a Limestone 20 x 15 x 5 ins. 15 ins. in the ground. For corr. secs. 5. 6. 31 and 32. marked with 5 notches on E. and 1 on W. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 3 ft. high 4½ ft. base alongside.

Land rolling.

Soil 3rd rate.

Vegetation grass.

N. 89° 39' W. on a true line between Sections 6 and 31.

Variation 14° 35' East.

31.00 Wagon road brs. N.W. and S.E.

40.00 Set a Limestone 20 x 16 x 3 ins.

Between Rgs. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains

15 ins. in the ground. For 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.

79.00 The cor. to townships 34 and 35 N. Ranges 47 and 48 W.

Land rolling.

Soil 3rd rate.

Vegetation grass.

General Description

The greater portion of the land in Township 34 N. Rge 47 W. is rolling and fit for agricultural purposes. It is well watered and the soil is fertile. The Engineers Farm is in the N.W. portion on White River and is well improved. Building stone

Between Rgs. 34 and 35 N. Ranges 47 W. of the 6th P.M.

Chains

are procurable and are of good quality. The vegetation consists of a good growth and quality of grass and there are several large natural meadows in the township.

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From the corner to Townships 34 and 35 N. Ranges 47 and 48 W. I run West on a random line between said Townships, the variation of my compass being 14° 50' East. I set temporary half mile and mile corners at each 40 and 80 Chains. and find the township line to be 5 miles 78 Chains and 42 lks. long. and the falling to be 3.38 lks. W. of the corner to Townships 34 and 35 N.

Between Tps. 34 and 35 N. Range 48 W. of the 6th P.M.

Chains

Ranges 48 and 49 W. on the 6th Paride Meridian West. Which for is a Cottonwood Post 4 ft. long 4 ins. Square, properly marked, standing in a mound of earth with pits. and in good condition The correction for the true line will therefore be 40 lks. South per mile and the course will be N. 89° 43' E.

From the corner to Townships 34 and 35 N. Ranges 48 and 49 W. Run N. 89° 43' E. on a true line between Sections 6 and 31.

Variation 14° 50' East.

38.42 Set a Limestone 16 x 16 x 4 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft.

Between Tps. 34 and 35 N. Range 48 W. of the 6th P.M.

Chains

dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

40.25 Creek 10 lks. wide. runs S.E.

78.42 Set a Limestone 20 x 18 x 4 ins. 15 ins. in the ground, for cor. to secs. 5. 6. 31 and 32. marked with 1 notch on the W. and 5 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.

Soil Shale.

Vegetation grass.

W. 89° 43' E. on a true line between Sections 5 and 32.

Variation 14° 50' East.

40.00 Set a Limestone 14 x 12 x 3 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug

Between Secs. 34 and 35 N. Range 18 W. of the 6th P. M.

Chains	
	pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.00	Set a Limestone 20 x 15 x 4 ins. 15 ins. in the ground, for cor. to Secs. 4. 5. 32 and 33. marked with 2 notches on W. and 4 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 3rd rate. Vegetation grass.
	N. 89° 43' E. on a true line between Sections 4 and 33. Variation 14° 50' East.
40.00	Set a Limestone 14 x 10 x 6 ins. 10 ins.

Between Secs. 34 and 35 N. Range 18 W. of the 6th P. M.

Chains	
	in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.00	Set a Limestone 20 x 15 x 8 ins. 15 ins. in the ground for cor. to Secs. 3. 4. 33 and 34 marked with 3 notches on W. and E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 3rd rate. Vegetation grass.
	N. 89° 43' E. on a true line between Sections 3 and 34. Variation 14° 50' East.

Between Ds. 34 & 35 N. Range 48 W. of the 6th P.M.

Chains	
4.25	Drain descends S.E. water standing.
40.00	Set a Limestone 16 x 10 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. & W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
46.00	Dry Creek 15 lks. wide water standing in pools descends S.
80.00	Set a Limestone 15 x 12 x 4 ins. 11 ins. in the ground for cor. to Secs. 2. 3. 34 and 35 marked with 4 notches on N. and 2 on E. edges. dug pits 18 x 18 x 12 ins. in each section 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 3rd rate. Vegetation grass.

Between Ds. 34 & 35 N. Range 48 W. of the 6th P.M.

Chains	
	N. 89° 43' E. on a true line between Sections 2 and 35.
	Variation 14° 50' East.
40.00	Set a Limestone 18 x 10 x 3 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.
80.00	Set a Limestone 20 x 10 x 4 ins. 15 ins. in the ground. for cor. to Secs. 1. 2. 35 and 36. marked with 5 notches on N. and 1 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside. Land rolling. Soil 3rd rate. Vegetation grass.

Between Tps. 34 and 35 N. Range 47 W. of the 6th P.M.

Chains

N. 89° 47' E. on a true line between Sections 1 and 36.

Variation 14° 50' East.

40.00 Set a Limestone 18 x 10 x 4 ins. 12 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 The cor. to Townships 34 and 35 N. Ranges. 47 and 48 W.

Land rolling.

Soil 3rd rate.

Vegetation grass.

General Description

The land in Township 34 N. Range 48 W. is gently rolling. The vegetation consists chiefly of grass and the soil

Between Tps. 34 and 35 N. Range 48 W. of the 6th P.M.

Chains

is of good quality. White River flows through the northern portion from West to East and furnishes an abundant supply of water for irrigating and milling purposes. which will be utilized as the country becomes more settled. At present there are but few well improved farms. Mr Perall's place is in the central portion.

Note I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing and found it to be in perfect adjustment. Also observed for Latitude and obtained 42° 58' N.

On 35 N. Between Ranges 47 and 48 W. of the 6th P.M.

Chains

From the cor. to Townships 34 and 35 N. Ranges 47 and 48 W. I run North Between Sections 31 and 36.

Variation 14° 20' East.

34.00 Drain 20 lks. wide descends S.E.

40.00 Set a Limestone 14 x 10 x 6 ins. 10 ins. in the ground. For W sec. cor. marked W on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

80.00 Set a Limestone 24 x 12 x 5 ins. 18 ins. in the ground. For cor. to Secs. 25. 30. 31 and 36. marked with 1 notch on S. and 5 on Medges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

On 35 N. Between Ranges 47 and 48 W. of the 6th P.M.

Chains

Land Rolling.
Soil 3rd Rate.
Vegetation Grass.

North Between Sections 35 and 36.

Variation 14° 20' East.

Ascend.

19.00 Top of Bluff bears N.W. and S.E.

40.00 Set a Limestone 15 x 10 x 6 ins. 10 ins. in the ground. For W sec. cor. marked W on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 4½ ft. base alongside.

41.00 Wagon road bears N.W. and S.E.

64.00 Alkali Drain 30 lks. wide descends E.

80.00 Set a Limestone 26 x 15 x 3 ins. 18 ins. in the ground. For cor.

Tp. 35 N. Between Ranges 47 and 48 W. of the 6th P.M.

Chains

to Secs. 19. 24. 25 and 30 marked with 2 notches on S. and 4 on W. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.
Land rolling.
Soil 3rd rate.
Vegetation grass.

North Between Sections 19 and 24.
Variation 11° 20' East.

4.00 Set a Limestone 20×15×3 ins. 15 ins. in the ground. for Misc. cor. marked "4 on W. face. dug pits 18×18×12 ins. N. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 5½ ft. base alongside.

6.875 Intersect the N. boundary of

Tp. 35 N. Between Ranges 47 and 48 W. of the 6th P.M.

Chains

Nebraska 3.55 Chains. East of Mile Post No. 166. Which is a cottonwood Post 5 ft. long 4 ins. square. properly marked, standing in a mound of earth with pits. I redug the pits and rebuilt mound around Post. and at point of intersection set a Limestone 24×15×4 ins. 18 ins. in the ground. for Closing Corner to Fractional Townships 35 N. Ranges 47 and 48 W. marked "C.C." on South and 6 notches on E. and W. edges. dug pits 24×18×12 ins. crosswise on each line S. E. and W. of stone 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base alongside.
Land rolling.

Tp. 35 N. Between Ranges 47 and 48 W. of the 6th P.M.

Soil 3rd rate.

Vegetation grass.

General Description

The land in Township 35 N. Ranges 47 and 48 W. is rolling.

The vegetation consists of grass and weeds.

The soil is mostly good 2nd rate.

The land is well watered and where cultivated good crops are grown.

The general drainage is to the South East

July 10. 1882.

List of Names.

A List of the Names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the Exterior lines of Townships 33, 34 and 35 North Ranges 47 and 48 W. 5th P.M. West of the 6th Principal Meridian in Nebraska.

showing the respective capacities in which they acted.

George Pennel, Chainman.

Mark Draper, Chainman.

Charles La. Rue, Axeman.

Charles Wilton, Moundman.

Final Oath of Assistants.

We hereby certify that we assisted Frank S. Wood Deputy Surveyor, in surveying the Exterior lines of Townships 33, 34 and 35 North, and Tps. 33 and 34 N. Ranges 53 West Ranges 47 and 48 West of the 6th Principal Meridian in Nebraska.

and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor-General.

George Pennel } Chainman.
Mark Draper }
Charles La Rue, Axeman.
Charles Hilton, Moundman.

Subscribed and sworn to before me this fifth day of December A.D. 1882.

Charles W. Brown
Notary Public

Final Oath of Deputy.

I, Frank S. Wood

United States Deputy Surveyor, do solemnly swear, that I hav
my own proper person and with the necessary assistance, well, t
and faithfully executed the survey of the Exterior lines of Townships 33, 34 and 35 North, Ranges and Tps. 33 and 34 N. Range 53 West ~~surveys of~~ 47 and 48 West of the 6th Principal Meridian in Nebraska

under my contract with Geo. S. Smith
United States Surveyor-General for Nebraska
bearing date the 6th day of June, 18
that in making the said survey I have used only such instrume
were approved by the said Surveyor-General, exercising due c

the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for alignment upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public land surveys, the surveying manual, and such additional instructions as have been furnished me by and through the Surveyor-General relating to the aforesaid survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true and correct returns of the said surveys.

Frank S. Wood

U. S. Deputy Surveyor.

Subscribed and sworn to before me this fifth day of December A. D., 1882.

Charles H. Brown

Notary Public

U. S. Surveyor General's Office

Plattsmouth Neb June 22d 1883

The foregoing Field Notes of the survey of the Exterior lines of Tps. 33-34-35 N. Rs. 47 & 48 W. & Tps. ~~33 &~~ ~~34 N., R. 53 W.~~ of the Principal Base and Meridian in the State of Nebraska, executed by Frank S. Wood U. S. Deptg Surv.r, under his contract No. 6 dated June 6, 1882, in the month of July 1882, having been critically examined, the necessary corrections and explanations made the said Field Notes and the surveys the describe are hereby approved.

L V Stephenson
U. S. Surveyor General.

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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.