(52)

D. F. Hickey Deputy Surveyor.

T. 29 **North R.** 45 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 29 North Range 45 West

6th Principal Meridian.

BY

D. F. Hickey Deputy Surveyor.

Under his Contract of Nov. 10, 1881

Survey Commenced June 29, 1882.

Survey Completed July 10, 1882.

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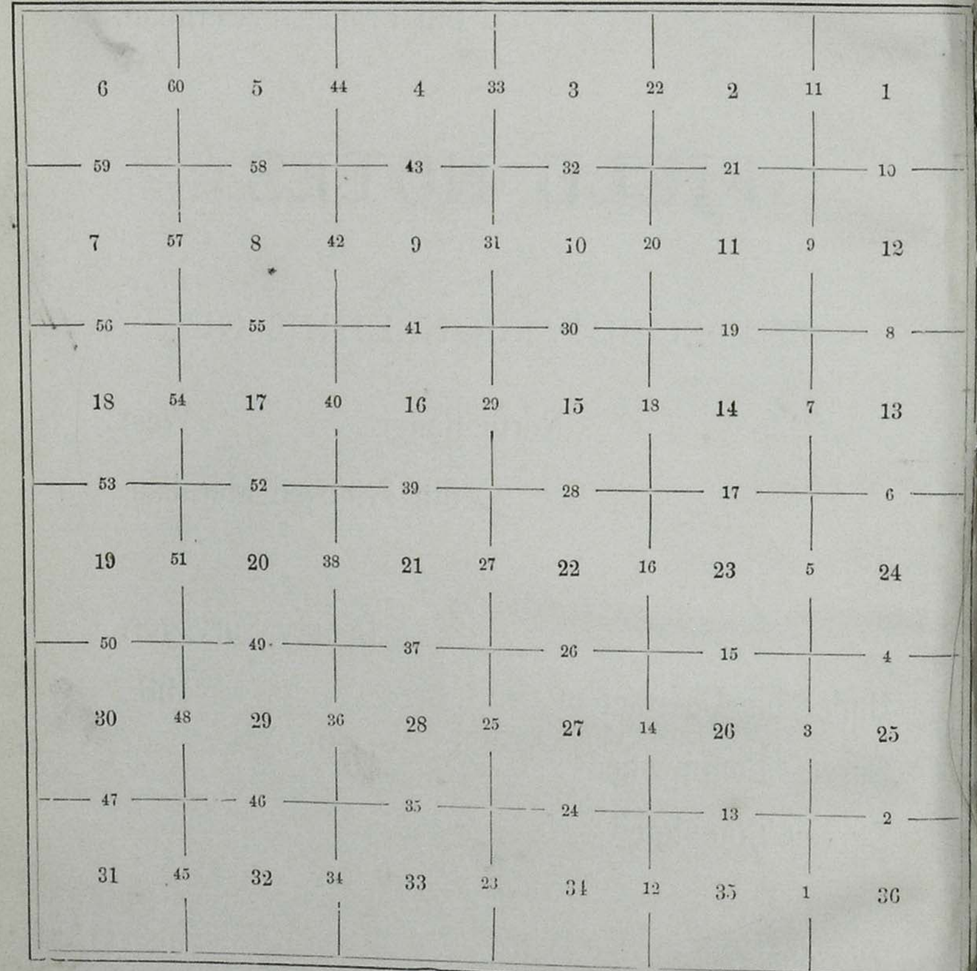
Township..... Range.....

.....6th Principal Meridian.



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Township..... North..... Range..... West

.....6th Principal Meridian.

Township ..... North ..... Range ..... West

..... 6th Principal Meridian.

Township ..... North ..... Range ..... West

..... 6th Principal Meridian.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by W. & L. E. Gurley *of* Troy, New York, *in* 1879.

Township 29 North Range 45 West

(See previous page.)

6th Principal Meridian.

Chains	
	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36.
	Variation 15° 05' East.
24.00	Cross low Sag and ascend.
40.00	Set a Sand stone 14 x 11 x 6 ins., 9 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 of earth 1½ ft. high, 3½ ft. base.
60.00	Top of Hill bears E. and W., and descend.
80.00	Set a Sand stone 12 x 9 x 8 ins. 8 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with / notch on S. and / notch 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.
	Land rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 15° 15' East.
	Ascend.
20.00	Top of Ridge, bears N.W. & S.E., and descend.
40.00	Set temporary ¼ Sec. Cor. low Sag and ascend.
79.68	Intersect E. B. of Tp. 14 N. South of cor. to secs. 25, 30, 31-36, from which corner, I run S. 89° 54' W., on a true line, between sections 25-36.
	Variation 15° 15' East.
39.84	Set a Sand stone 11 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.68	The corner to sections- 25-26-35-36,
	Land ~~mountainous~~ Hilly.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 15°15' East.
	Descend.
15.00	*Cross low Sag and ascend.*
31.50	*Top of Ridge, bears* N.60°W. S.60°E. *and descend.*
40.00	*Set a* Sand *stone* 14x 11x 8 *ins.,* 9 *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 of earth 1½ ft. high, 3½ ft. base.*
41.30	*Cross Gulch,* 15 *lks. wide, Course* N.60°W *and ascend.*
71.00	*Top of Spur, bears* E. and N. *and descend.*
80.00	*Set a* Sand *stone* 13x 9x 5 *ins. ins. in the ground for Cor. to Secs.* 23-24-25-26 *marked with* 2 *notches on S. and* 1 *notch 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.*
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15°20' East.
	Ascend.
~~36.00~~	~~*Cross low Sag and ascend.*~~
40.00	*Set temporary* ¼ *Sec. Cor.*
79.68	*Intersect E. B. of Tp.* 21 *lks.* South *of cor. to secs. 19, 24, 25, & 30 from which corner, I run S.89°51'W., on a true line, between sections* 24-25 *Variation* 15°~~20'~~ *East.*
39.84	*Set a* Sand *stone* 14x 8 x 6 *ins.,* 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *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.*
79.68	*The corner to sections* 23-24-25-26,
	Land rolling.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 15° 20' East.
	Descend.
.76	Cross Gulch, 10 lks. wide, Course West and ascend.
22.50	Top of Hill bears E. and W. and descend.
31.00	Cross Gulch, 15 lks. wide, Course N 50° W and ascend.
40.00	Set a Sand stone 13 x 10 x 3 ins., 9 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 of earth 1½ ft. high, 3½ ft. base.
59.00	Top of Ridge, bears N. 40° W. & S. 40° E. and descend.
75.00	Cross Gulch, 30 lks. wide, Course N. 46° W and ascend.
80.00	Set a Sand stone 14 x 12 x 8 ins. 9 ins. in the ground for Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch 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.

Land rolling.
Soil 3rd rate
Vegetation, Bunchgrass.

June 29/1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 15° 20' East.
	Ascend.
40.00	Set temporary ¼ Sec. Cor.
57.00	Top of Ridge, bears N.W. & S.E, and descend.
79.71	Intersect E. B. of Tp. 23 lks. South of cor. to secs. 13-18-19-24 from which corner, I run S. 89° 50' W., on a true line, between sections 13-24 Variation 15° 20 East.
39.86	Set a Sand stone 13 x 11 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.71	The corner to sections 13-14-23-24.

Land ~~mountainous~~ Rolling.
Soil 3rd rate
Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

North, between Sections 13 and 14.

Variation 15° 20' East.

Chains	
	Ascend.
18.00	*Top of Ridge, bears* N.W. & S.E. *and descend.*
28.00	*Cross Gulch,* 30 *lks. wide, Course* N.W. *and ascend.*
37.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
40.00	*Set a* Sand *stone* 18 x 8 x 14 *ins..* 12 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face and raised a mound of stone.*
	Pits impracticable.
	in Gulch, 40 *lks. wide, Course* N.50°W. *and ascend.*
43.00	*Top of Spur, bears* E. and N. *and descend.*
53.00	*Cross Gulch,* 30 *lks. wide, Course* S.70°W. *and ascend.*
74.00	*Top of Ridge, bears* N.W. and S.E. *and descend.*
80.00	*Set a* Sand *stone* 14 x 11 x 8 *ins.* 9 *ins. in the ground for Cor. to Secs.* 11-12-13-14 *marked with* 4 *notches on S. and* 1 *notch 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.*

Land mountainous.
Soil 3rd *rate*
Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

East, on a random line between Sections 12 and 13.

Variation 15° 25' East.

Chains	
	Ascend.
5.50	*Top of Spur, bears* N. and S. *and descend.*
17.50	*Cross Gulch,* 15 *lks. wide, Course* N.20°W. *and ascend.*
28.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
34.00	*Cross Gulch,* 15 *lks. wide, Course* N.70°W. *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
68.00	*Top of Ridge, bears* N.W. & S.E. *and descend.*
79.68	*Intersect* E. *B. of Tp.* 24 *lks* South *of cor. to secs.* 7-12-13-18 *from which corner, I run* S.89°50'W. *on a true line, between sections* 12-13
	Variation 15° 25' *East.*
39.84	*Set a* Sand *stone* 12x10 x 6 *ins.,* 8 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *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.*
79.68	*The corner to sections* 11-12-13-14.

Land mountainous.
Soil 3rd *rate*
Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 25' East.
	Descend.
16.40	*Cross Gulch, 30 lks. wide, Course* N60°W *and ascend.*
39.00	*Top of Spur, bears* E. and W. *and descend.*
40.00	*Set a* Sand *stone* 15 x 9 x 6 *ins.,* 10 *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 of earth* 1½ *ft. high,* 3½ *ft. base.*
55.00	Enter Grove of Ash, Elder & Wild Cherry,
56.00	*Enter Flat bears* N.10°E. and S.10°W.
68.00	*Leave Flat bears* and Grove N.19°W. & S.10°W *and ascend.*
74.00	*Top of Spur, bears* E. and W. *and descend.*
79.15	*Cross Road, bears,* N.40°E. and S.40°W.
80.00	*Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs,* 1 – 2 – 11 – 12 *marked T.29N. S.* 1 *, on N, E, R.45W, S.* 12 *on S, E, S,* 11 *on S, W, and S,* 2 *on N, W, face, with* 5 *notches on S, and* 1 *notch 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, 4 ½ ft, base around post.*
	Land mountainous. ~~Level.~~
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.
	Timber, Ash, Elder & Wild Cherry.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 10' East.
	Ascend.
40.00	*Set temporary* ¼ *Sec. Cor.*
79.83	*Intersect E. B. of Tp.* 29 *lks.* South *of cor. to secs.* 1-6-7-12 *from which corner, I run* S.89°48'W, *on a true line, between sections* 1 – 12, *Variation* 15° ~~20~~ 10' *East.*
39.92	*Set a* Sand *stone* 14 x 12 x 8 *ins.,* 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *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.*
79.83	*The corner to sections* 1 – 2 – 11 – 12,
	Land rolling.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 15°10' East.
	Descend.
10.00	Enter Flat bears N.E. and S.W.
20.10	Cross River, course N.E.
23.00	Leave Flat bears N.E. and S.W. and ascend.
33.00	Top of Ridge, bears N.E. and S.W., and descend.
40.00	Set temporary ¼ Sec. Cor.
42.00	Cross Gulch, 20 lks. wide, Course East and ascend.
62.00	Enter Flat bears N.E. and S.W.
79.70	Intersect N. B. of Tp. 20 lks. West of cor. to secs. 1-2-35-36 from which corner, I run S. 9' W., on a true line, between sections 1—2, Variation 15°10' East.
39.70	Set a Sand stone 12 x 8 x 6 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
79.70	The corner to sections 1—2-11—12. 30.70 lks Land 1/4 level. 49.00 lks 1/4 mountainous. Soil 2nd " 1/4 3rd rate Vegetation, Bunchgrass.

June 30, 1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 14°30' East.
	Descend,
7.00	Cross low Sag and ascend.
35.00	Top of Ridge, bears E. and W. and descend.
40.00	Set a Sand stone 12 x 8 x 6 ins., 8 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 of earth 1½ ft. high, 3½ ft. base. in low Sag and ascend.
50.00	Top of Ridge, bears E. and W. and descend.
64.00	Cross Gulch, 20 lks. wide, Course N.E. and ascend.
68.00	Top of Ridge, bears N.E. & S.W. and descend.
75.00	Cross Gulch, 30 lks. wide, Course N.W. and ascend.
79.00	Top of Ridge, bears E. and W. and descend.
80.00	Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 26-27-34-35 marked with / notch on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable. in Gulch, 30 lks. wide, Course S.W. and ascend. Land mountainous. Soil 3rd rate Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 15° 25' East.
	Ascend.
5.00	Top of Ridge, bears N.E. and S.W. and descend.
10.00	Cross Gulch, 40 lks. wide, Course S.W. and ascend.
20.00	Top of Ridge, bears N. and S. and descend.
40.00	Set temporary ¼ Sec. Cor.
50.00	Cross low Sag and ascend.
79.76	Intersect N. & S. line, 20 lks. North of cor. to secs. 25-26-35-36 from which corner, I run N. 89° 51' W. on a true line between sections 26-35. Variation 15° 25' East
39.88	Set a Sand stone 10 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.76	The corner to sections 26-27-34-35.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 26 and 27. Variation 15° 25' East.
	Ascend.
27.50	Top of Ridge, bears E. and W. and descend.
40.00	Set a Sand stone 12 x 9 x 8 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
47.00	Cross Gulch, 50 lks. wide, Course N.E. and ascend.
57.00	Top of Ridge, bears E. and W. and descend.
65.20	Cross Gulch, 35 lks. wide, Course N.W. and ascend.
80.00	Set a Sand stone 12 x 9 x 8 ins 8 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches 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.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 30' East.
	Ascend.
12.00	Top of Ridge, bears Nana S, and descend.
23.00	Cross Gulch, 30 lks. wide, Course N, and ascend.
27.50	Top of Ridge, bears Nana S, and descend.
32.00	Cross Gulch, 40 lks. wide, Course N.W, and ascend.
40.00	Set temporary ¼ Sec. Cor.
42.00	Top of Ridge, bears Nana S, and descend.
53.00	Cross Gulch, 30 lks. wide, Course N, and ascend.
79.68	Intersect N. & S. line, 17 lks. North of cor. to secs. 23-24-25-26 from which corner, I run N 89° 53' W. on a true line between sections 23-26, Variation 15° ~~30~~ 30' East
39.84	Set a Sand stone 12 x 9 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.68	The corner to sections 22-23-26-27
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 30' East.
	Ascend.
17.50	Top of Ridge, bears E. and W. and descend.
25.50	Cross Gulch, 20 lks. wide, Course S.W. and ascend.
38.00	Top of Ridge, bears N.W. and S.E. and descend.
40.00	Set a Sand stone 10 x 8 x 6 ins., 7 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 of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 11 x 9 x 7 ins. 7 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with 3 notches on S. and 2 notches 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.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

July 1st 1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 25' East.
	Descend.
10.00	Cross Gulch, 30 lks. wide, Course N.W. and ascend.
40.00	Set temporary ¼ Sec. Cor.
60.00	Top of Ridge, bears N. and S. and descend.
71.00	Cross Gulch, 30 lks. wide, Course N. and ascend.
79.81	Intersect N. & S. line, 18 lks. North of cor. to secs. 13-14-23-24 from which corner, I run N 89° 52' W. on a true line between sections 14-23. Variation 15° 25' East
39.91	Set a Sand stone 12 x 8 x 7 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.81	The corner to sections 14-15-22-23
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° 25' East.
	Descend.
23.10	Cross low Sag and ascend.
28.00	Top of Ridge, bears E. and W. and descend.
40.00	Set a Sand stone 12 x 10 x 8 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
45.00	Entley River Bottom, bears N.E. & S.W.
50.90	Cross Niobrara River, 280 lks. wide, runs N. 20° E.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 10-11-14-15, marked T. 29 N., S. 11, on N. E. R. 45 W., S. 14 on S. E. S. 15 on S. W. and S. 10 on N. W. face, with 4 notches on S. and 2 notches 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 around post.
	Land ~~mountainous~~ Hilly
	Soil 2nd & 3rd rate
	Timber of Cottonwood, Willow & Wild Cherry.
	Vegetation., Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 15' East.
	Over level land
8.75	Cross Niobrara River, 325 lks. wide, Course N. 30°
15.00	Leave Flat bears N. and S. and ascend.
30.00	Top of Ridge, bears N. and S. and descend,
40.00	Set temporary ¼ Sec. Cor.
	in Gulch, 40 lks. wide, Course N, and ascend.
79.40	Intersect N. & S. line, 21 lks. North of cor. to secs. 11-12-13-14, from which corner, I run N. 89° 51' W. on a true line between sections 11-10
	Variation 15° ~~15'~~ East
39.95	Set a Sand stone 12 x 9 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.40	The corner to sections 10-11-14-15,
	Land mountainous 64.40 chs ↑ level. 15.00 chs ↑
	Soil 2nd & 3rd " rate
	Timber of Cottonwood & Willow.
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 15° 15' East.
	Ascend.
4.30	Top of Ridge, bears E. and W., and descend.
6.75	Cross low Sag and ascend.
17.50	Enter Flat bears E. and W.
34.10	Cross Road, bears, E. and W.
40.00	Set a Sand stone 10 x 8 x 6 ins., 7 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 of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 11 x 10 x 6 ins. 7 ins. in the ground for Cor. to Secs. 2-3-10-11 marked with 5 notch Es on S. and 2 notch Es 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.
	17.50 chs balance
	Land mountainous, ↑ level.
	Soil 2nd & 3rd rate
	Timber of Cottonwood & Willow.
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 15° 15' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
46.00	Descend.
55.00	Enter Flat bears N.W. and S.E.
72.00	Cross Niobrara River, 300 links wide, runs N.E.
76.00	Leave Flat bears N.W. and S.E. and ascend.
79.81	Intersect N. & S. line, 14 lks. South of cor. to secs. 1-2-11-12 from which corner, I run S. 89° 54' W. on a true line between sections 2-11, Variation 15° 15' East
39.91	Set a Sand stone 8 x 7 x 6 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.81	The corner to sections 2-3-10-11. Land level. Soil 2nd rate Timber of Cottonwood & Willow, Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian

Chains	North, on a random line between Sections 2 and 3. Variation 15° 15' East.
40.00	Set temporary ¼ Sec. Cor.
79.50	Intersect N.B. of Tp. 18 lks. West of cor. to secs. 2-3-34-35 from which corner, I run S. 8' W., on a true line, between sections 2-3 Variation 15° 15' East.
39.50	Set a Sand stone 12 x 9 x 6 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
79.50	The corner to sections 2-3-10-11. Land rolling. Soil 2nd & 3rd rate Vegetation, Bunchgrass. July 3rd 1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 33 and 34. Variation 14° 55' East.
	Descend,
13.20	Cross Gulch, 20 lks. wide, Course S.W. and ascend.
18.00	Top of Spur, bears E. and W. and descend.
23.01	Cross Gulch, 40 lks. wide, Course W. and ascend.
31.00	Top of Ridge, bears E. and W. and descend.
40.00	Set a Sand stone 10 x 7 x 4 ins., 7 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 of earth 1½ ft. high, 3½ ft. base.
42.50	Cross Gulch, 21 lks. wide, Course N.W. and ascend.
54.00	Top of Ridge, bears N.20°W. & S.20° E. and descend.
70.00	Cross Gulch, 70 lks. wide, Course W. and ascend.
80.00	Set a Sand stone 10 x 8 x 7 ins. 7 ins. in the ground for Cor. to Secs. 27-28-33-34 marked with / notch on S. and 3 notches 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.
	Land mountainous
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34. Variation 15° 25' East.
	Ascend.
24.00	Top of Ridge, bears N. and S. and descend.
35.00	Cross Gulch, 20 lks. wide, Course N.W. and ascend.
37.00	Top of Ridge, bears N.W. and S.E. and descend.
40.00	Set temporary ¼ Sec. Cor.
54.00	Cross Gulch, 20 lks. wide, Course N.W. and ascend.
80.11	Intersect N. & S. line, 40 lks. North of cor. to secs. 26-27-34-35, from which corner, I run N.89°41' W. on a true line between sections 27-34 Variation 15° 25' East
40.06	Set a Sand stone 11 x 10 x 9 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
80.11	The corner to sections 27-28-33-34.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains — North, between Sections 27 and 28.
Variation 15° 25' East.

Ascend.

16.00 Top of Ridge, bears E. and W., and descend.

40.00 Set a Sand stone 11 x 10 x 9 ins., 7 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.

in Gulch, 40 lks. wide, Course N.W. and ascend.

50.00 Top of Spur, bears E. and W., and descend.

58.00 Cross Gulch, 50 lks. wide, Course N.W. and ascend.

70.00 Top of Ridge, bears E. and W., and descend.

74.00 Cross Gulch, 40 lks. wide, Course W., and ascend.

79.00 Top of Ridge, bears E. and W., and descend.

80.00 Set a Sand stone 11 x 10 x 8 ins. 7 ins. in the ground for Cor. to Secs. 21-22-27-28 marked with 2 notches on S. and 3 notches 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.

Land mountainous.
Soil 3rd rate
Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains — East on a random line between Sections 22 and 27.
Variation 15° 25' East.

Ascend.

3.50 Top of Ridge, bears N. and S., and descend.

8.75 Cross Gulch, 30 lks. wide, Course N.W. and ascend.

16.00 Top of Ridge, bears N. 30° W. & S. 30° E. and descend.

28.00 Cross Gulch, 40 lks. wide, Course N.W. and ascend.

40.00 Set temporary ¼ Sec. Cor.

52.00 Top of Ridge, bears N. and S., and descend.

70.00 Cross Gulch, 20 lks. wide, Course N., and ascend.

79.96 Intersect N. & S. line, 32 lks. North of cor. to secs. 22-23-26-27, from which corner, I run N 89° 46' W. on a true line between sections 22-27.

Variation 15° 25' East

39.98 Set a Sand stone 10 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.

79.96 The corner to sections 21-22-27-28

Land mountainous.
Soil 3rd rate
Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian.

Chains

North, between Sections 21 and 22.

Variation 15° 25' East.

Ascend.

3.00 Top of Ridge, bears E. and W. and descend.

17.40 Cross Gulch, 30 lks. wide, Course W and ascend.

23.50 Top of Ridge, bears E. and W. and descend.

31.00 Cross Gulch, 30 lks. wide, Course West and ascend.

40.00 Set a Sand stone 12 x 10 x 8 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.

56.00 Top of Ridge, bears E. and W. and descend.

61.00 Enter ~~Flat bears~~ Bottom E. and W.

~~Leave Flat bears E. and W.~~

76.00 Cross Running Water River, 320 lks. wide, runs E. and ascend abruptly.

79.30 Summit of River Bank.

80.00 Set a Sand stone 10 x 8 x 6 ins. 7 ins. in the ground for Cor. to Secs. 15-16-21-22 marked with 3 notch Es on S. and 3 notch Es 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.

Land 65.00 chs. mountainous. & 15.00 chs. level.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian.

Chains

East, on a random line between Sections 15 and 22.

Variation 15° 20' East.

Ascend.

2.50 Top of Ridge, bears N. and S. and descend.

13.00 Enter Flat bears N. and S.

17.31 Cross River 330 lks. wide, Course N.E.

20.60 Leave Flat bears N. and S.

22.65 Cross Gulch, 250 lks. wide, Course N.E. and ascend.

31.00 Top of Ridge, bears N. and S. and descend.

38.00 Cross Gulch, 40 lks. wide, Course N and ascend.

40.00 Set temporary ¼ Sec. Cor.

52.00 Top of Ridge, bears N. and S. and descend.

58.00 Cross Gulch, 55 lks. wide, Course N.E. and ascend.

80.16 Intersect N. & S. line, 24 lks. North of cor. to secs. 14-15-22-23 from which corner, I run N 89° 50' W. on a true line between sections 15-22.

Variation 15° ~~25~~ 20' East

40.08 Set a Sand stone 12 x 7 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.

80.16 The corner to sections 15-16-21-22.

Land 72.56 chs. mountainous. & 7.60 chs. level.

Soil 2nd & 3rd rate

Vegetation Bunchgrass. July 4, 1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 15° 20' East.
	Ascend.
40.00	Set a Sand stone 12 x 10 x 9 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 12 x 8 x 7 ins. 8 ins. in the ground for Cor. to Secs. 9-10-15-16 marked with 4 notches on S. and 3 notches 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.
	Land rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15. Variation 15° 20' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
60.00	Descend.
80.12	Intersect N. & S. line, 42 lks. North of cor. to secs. 10-11-14-15 from which corner, I run N 89° 42' W. on a true line between sections 10-15. Variation 15° 20' East
40.06	Set a Sand stone 12 x 12 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
80.12	The corner to sections 9-10-15-16
	Land rolling & level.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 20' East.
	Over level land
21.68	Cross Road, bears, East & West.
40.00	Set a Sand stone 12 x 8 x 5 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 3-4-9-10 marked with 5 notch es on S. and 3 notch es 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.
	Land rolling.
	Soil 3rd rate
	Vegetation, Bluegrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 25' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
80.21	Intersect N. & S. line, 24 lks. North of cor. to secs. 2-3-10-11 from which corner, I run N. 89° 50' W. on a true line between sections 3-10 Variation 15° ~~25~~ 23' East
40.11	Set a Sand stone 10 x 9 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
80.21	The corner to sections 3-4-9-10,
	Land level.
	Soil 3rd rate
	Vegetation, Bluegrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 15° 25' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
79.62	Intersect N B. of Tp. 40 lks. East of cor. to secs. 3-4-33-34, from which corner, I run S. 17 E., on a true line, between sections 3-4, Variation 15° ~~25~~ East.
39.62	Set a Sand stone 12 x 9 x 8 ins., 8 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 of earth 1½ ft. high, 3½ ft. base.
79.62	The corner to sections 3—4—9—10.
	Land level.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 15° East.
6.00	Enter Flat bears E. and W.
11.00	Leave Flat bears E. and W.
14.00	Cross Wash, 30 lks. wide, Course S.E. and ascend.
33.00	Top of Spur, bears E. and W. and descend.
39.00	Cross Wash, 35 lks. wide, Course S.W. and ascend.
40.00	Set a Sand stone 14 x 11 x 9 ins., 9 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 of earth 1½ ft. high, 3½ ft. base.
55.00	Top of Hill bears E. and W. and descend.
68.00	Cross Wash, 50 lks. wide, Course N.W. and ascend.
78.00	Top of Hill bears E. and W. and descend.
80.00	Set a Sand stone 15 x 12 x 8 ins. 10 ins. in the ground for Cor. to Secs. 28-29-32-33 marked with 1 notch on S. and 4 notches 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.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 25' East.
	Descend.
16.00	Cross Wash, 40 lks. wide, Course N. and ascend.
39.00	Top of Hill bears Nana S. and descend.
40.00	Set temporary ¼ Sec. Cor.
40.50	Cross Gulch, 20 lks. wide, Course N.W. and ascend.
79.64	Intersect N. & S. line, 40 lks. South of cor. to secs. 27-28-33-34 from which corner, I run S. 89° 43' W. on a true line between sections 28-33. Variation 15° 25' East
39.82	Set a Sand stone 20 x 14 x 4 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.64	The corner to sections 28-29-32-33.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	July 5, 1882.

Township 29 North Range 45 West
6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 15° 25' East.
	Descend.
5.40	Cross Gulch, 20 lks. wide, Course S.E. and ascend.
9.00	Top of Ridge, bears E. and W. and descend.
15.40	Cross Gulch, 20 lks. wide, Course W. and ascend.
18.00	Top of Hill bears E. and W. and descend.
37.00	Enter Flat bears N. 80° W. and S. 80° E.
40.00	Set a Sand stone 8 x 6 x 4 ins., 5 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 of earth 1½ ft. high, 3½ ft. base.
60.00	Leave Flat bears East W. and ascend.
75.00	Top of Ridge, bears E. and W. and descend.
80.00	Set a Sand stone 10 x 8 x 3 ins. 7 ins. in the ground for Cor. to Secs. 20-21-28-29 marked with 2 notches on S. and 4 notches 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.
	57.00 chs.
	Land ^ mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15° 40' East.
	Descend,
6.00	Cross low Sag and ascend.
20.00	Top of Hill bears N. and S. and descend.
24.00	Cross Gulch, 20 lks. wide, Course N. and ascend.
28.00	Top of Ridge, bears N. and S. and descend.
31.40	Cross Gulch, 50 lks. wide, Course N. and ascend.
40.00	Set temporary ¼ Sec. Cor.
60.00	Top of Hill bears N.E. and S.W. and descend.
72.00	Cross Gulch, 25 lks. wide, Course N.W. and ascend.
79.71	Intersect N. & S. line, 19 lks. South of cor. to secs. 21-22-27-28 from which corner, I run S. 89° 52' W. on a true line between sections 21-28. Variation 15° 40' East
39.86	Set a Sand stone 10 x 7 x 3 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.71	The corner to sections 20-21-28-29.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian

Chains	North, between Sections 20 and 21. Variation 15° 40' East.
5.00	Enter Flat bears E. and W.
25.00	Leave Flat bears E. and W. and ascend.
28.00	To S. Bank of Running Water River,
30.30	To N. Bank of same, Course East & ascend,
38.00	Enter Flat bears E. and W.
40.00	Set a Sand stone 10 x 8 x 3 ins., 7 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 of earth 1½ ft. high, 8½ ft. base.
80.00	Set a Sand stone 10 x 9 x 8 ins. 7 ins. in the ground for Cor. to Secs. 16-17-20-21 marked with 3 notches on S. and 4 notches 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.
	Land level.
	Soil 2nd & 3rd rate,
	Timber of Cottonwood & Willow.
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15° 20' East.
	Over level land
40.00	*Set temporary ¼ Sec. Cor.*
79.68	*Intersect N. & S. line, 12 lks. South of cor. to secs. 15-16-21-22, from which corner, I run S. 89° 55' W. on a true line between sections, 16-21*
	Variation 15° 20' East
39.84	*Set a Sand stone 11 x 9 x 6 ins., ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.*
79.68	*The corner to sections 16-17-20-21.*
	Land level.
	Soil 3rd " rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15° 20' East.
	Over level land
40.00	*Set a Sand stone 10 x 8 x 6 ins., 7 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 of earth 1½ ft. high, 3½ ft. base.*
39.18	*Cross Road, bears, N. 60° W. & S. 60° E.*
80.00	*Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with 4 notches on S. and 4 notches 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.*
	Land level.
	Soil 3rd " rate
	Vegetation Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16.
	Variation 15° 30' East.
36.77	Cross Road, bears, N. 50° E. and S. 50° W., thence
	Over level land
40.00	Set temporary ¼ Sec. Cor.
79.71	Intersect N. & S. line, 26 lks. South of cor. to secs. 9-10-15-16 from which corner, I run S. 89° 49' W. on a true line between sections 9-16
	Variation 15° 30' East
39.86	Set a Sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.71	The corner to sections 8-9-16-17.
	Land level.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 8 and 9.
	Variation 15° 30' East.
	Over level land
40.00	Set a Sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., E and N. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 4-5-8-9 marked T. 29 N., S. 4, on N, E, R. 45 W., S. 9 on S, E, S, 8 on S, W, and S, 5 on N, W, face, with 5 notches on S, and 4 notches 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, 4 ½ ft, base around post.
	Land level.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	
	East, on a random line between Sections 4 and 9.
	Variation 15° 15' East.
	Over level land
40.00	*Set temporary ¼ Sec. Cor.*
79.76	*Intersect N. & S. line,* 16 *lks.* South *of cor. to secs.* 3-4-9-10 *from which corner, I run* S. 89° 53' W. *on a true line between sections* 4-9.
	Variation 15° ~~25'~~ 15' *East*
39.88	*Set a* Sand *stone* 10 x 8 x 6 *ins.,* 7 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *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.*
79.76	*The corner to sections* 4-5-8-9.
	Land level.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	
	North, on a random line between Sections 4 and 5.
	Variation 15° 15' East.
	Over level land
40.00	*Set temporary ¼ Sec. Cor.*
79.80	*Intersect N. B. of Tp.* 35 *lks.* East *of cor. to secs.* 3-4-9-10 *from which corner, I run* S. 15' E. *on a true line, between sections* 4-5,
	Variation 15° 15' *East.*
39.80	*Set a* Sand *stone* 12 x 7 x 6 *ins.,* 8 *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 of earth 1½ ft. high, 3½ ft. base.*
79.80	*The corner to sections* 4-5-8-9.
	Land level.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

July 6, 1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 31 and 32. Variation 15° East.
	Ascend.
9.00	*Top of Hill bears* N.50°W. & S.50°E. *and descend.*
22.00	*Cross low Sag and ascend.*
28.00	*Top of Hill bears* E. and W. *and descend.*
40.00	*Set a* Sand *stone* 11 x 9 x 4 *ins.,* 7 *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 of earth* 1½ *ft. high,* 3½ *ft. base.*
80.00	*Set a* Sand *stone* 12x10 x 8 *ins.* 8 *ins. in the ground for Cor. to Secs.* 29-30-31-32, *marked with* / *notch on S. and* 5 *notches 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.*
	Land rolling.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 29 and 32. Variation 15°30' East.
	Ascend.
8.00	*Top of Spur, bears* N. and S. *and descend.*
18.40	*Cross Gulch,* 30 *lks. wide, Course* N. *and ascend.*
21.50	*Top of Spur, bears* N. and S. *and descend.*
25.00	*Cross Gulch,* 20 *lks. wide, Course* N.20°W. *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
79.88	*Intersect N. & S. line,* 12 *lks.* South *of cor. to secs.* 28-29-32-33 *from which corner, I run* S.89°55'W. *on a true line between sections* 29-32,
	Variation 15°30' *East*
39.94	*Set a* Sand *stone* 12 x 9 x 8 *ins.,* 8 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *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.*
79.88	*The corner to sections* 29-30-31-32,
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 30′ East.
	Descend.
8.00	Enter Creek Bottom, brs. N. 70° E. & S. 70° W.
36.90	Cross Creek 20 lks. wide, Course N. 78° E. and ascend.
40.00	Set temporary ¼ Sec. Cor.
46.00	Leave Creek Bottom & ascend gradually.
79.98	Intersect W. B. of Tp. 32 lks. North of cor. to secs. 25-30-31-36, from which corner, I run: N. 89° 46′ E., on a true line, between sections 30-31. Variation 15° ~~40~~ 30′ East.
39.98	Set a Sand stone 10 x 9 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.98	The corner to sections 29-30-31-32,
	Land rolling.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian

Chains	North, between Sections 29 and 30. Variation 15° 30′ East.
	Descend.
5.00	Cross Creek 10 lks. wide. Course East,
22.40	Cross Creek 15 lks wide Course N. 20° W.
28.80	Cross Creek 8 lks. wide, Course E. & ascend gradually.
37.00	Enter Tableland, bears E. and W.
40.00	Set a Sand stone 9 x 8 x 7 ins.. 6 ins. in the grouud, for ¼ Sec. Cor., marked ¼ on W face and raised a mound of stone.
	Pits impracticable.
58.00	Descend
67.00	Enter River Bottom, bears E. and W. As true point for Cor. will fall in River at 80. chs. Therefore at.
76.34	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Witness Cor. to Secs, 19-20-29-30 marked W.C. T, 29 N. S, 20, on N, E, R, 45 W, S. 29 on S, E, S, 30 on S, W, and S, 19 on N, W, face, with 2 notches on S, and 5 notches 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 around post. 3-66 chs South of true point for Corner to Secs. 19.20.29 & 30
80.00	The point for Cor. to Secs. 19.20.29 & 30 in River,
	Land rolling.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 15°45' East.
	From true Cor. to Secs. 19-20-29 & 30 running in river
29.10	Leare River, Course N. 70° E.
38.00	Enter Flat bears N. 40° E. & S. 40° W.
40.00	Set temporary ¼ Sec. Cor.
42.10	Leare River Flat bears N 40° E & S 40° W and ascend gradually.
80.10	Intersect N. & S. line, 33 lks. North of cor. to secs. 20, 21, 28 & 29 from which corner, I run N 89° 46' W. on a true line between sections 20 & 29. Variation 15° ~~40~~ 45' East
40.05	Set a sand stone 19 x 11 x 4 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
51.00	Set a sand stone 11 x 4 x 8 ins., 8 ins. in the ground, for Witness ¼ Sec. Cor., marked W.C. ¼ on N 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.
80.10	The true corner to sections 19-20-29 & 30 in River Land level. Soil 2d rate Vegetation Bunchgrass. Timber of Cottonwood

Township 29 North Range 45 West
6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 15°45' East.
	From True point for Cor. to Secs. 19, 20, 29 & 30 running in river
47.86	Leare river flat bears N.W. & S.E.
70.20	Leare river bottom and ascend.
80.20	Intersect W. B. of Tp. 17 lks. N. of cor. to secs. 19-24-25-30 from which corner, I run N. 89°63' E., on a true line, between sections 19-30 Variation 15°45' East.
32.34	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for Witness ¼ Sec. Cor., marked W.C. ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post. 7.56 chs West of temporary for ¼ Sec. Cor. on River
80.20	The true corner to sections 19-20-29-30, in River Land level. Soil 2nd & 3rd rate. Timber of Cottonwood & Willow. Vegetation, Bunchgrass. July 7, 1882.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 15° 45' East.
	From true Cor. to Secs. 19-20-29-30
.75	To North Bank of Running Water River
1.00	Summit of Bank Vasena gradually.
40.00	Set a Sand stone 10 x 9 x 8 ins., 7 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 of earth 1½ ft. high, 3½ ft. base.
50.00	Over level land
80.00	Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 17-18-19-20 marked with 3 notches on S. and 5 notch 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.

Land level.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 15° 40' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
79.90	Intersect N. & S. line, 16 lks. North of cor. to secs. 16-17-20-21 from which corner, I run N. 89° 53' W. on a true line between sections 17-20 Variation 15° 40' East
39.95	Set a Sand stone 9 x 8 x 6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.90	The corner to sections 17-18-19-20.

Land level.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19. Variation 15°40' East.
	Over level land
8.46	Cross Road, bears, N.60°E. and S.60°W.
40.00	Set temporary ¼ Sec. Cor.
80.12	Intersect W. B. of Tp. 58 lks. North of cor. to secs. 13-18-19-24 from which corner, I run N.89°35'E. on a true line, between sections 18-19, Variation 15°40' East.
40.12	Set a Sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. 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.
80.12	The corner to sections 17-18-19-20,
	Land level.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 17 and 18 Variation 15°40' East.
	Over level land
4.46	Cross Road, bears, N.50°E. & S.50°W.
40.00	Set a Sand stone 10 x 9 x 6 ins., 7 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 of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 7-8-17-18 marked with 4 notches on S. and 5 notches 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.
	Land level.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 15° 15' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
79.79	Intersect N. & S. line, 14 lks. N of cor. to secs. 8-9-16-17 from which corner, I run N 89°54' W. on a true line between sections 8-17, Variation 15° ~~30~~ 15' East
39.90	Set a Sand stone 16 x 12 x 9 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
79.79	The corner to sections 7-8-17-18,
	Land level.
	Soil 2nd & 3rd rate
	Vegetation, Timothy grass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 15° 15' East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
65.00	Ascend.
80.49	Intersect W. B. & M. Sp., 76 lks. North of cor. to secs. 7-12-13-18 from which corner, I run N 89°27' E. on a true line between sections 7-18 Variation 15° 15' East
46.49	Set a Sand stone 12 x 11 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N 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.
80.49	The corner to sections 7-8-17-18,
	Land level. And rolling.
	Soil 2nd & 3rd rate
	Vegetation, Timothy grass.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

July 8, 1882,

Township 29 North Range 45 West
6th Principal Meridian.

Chains	North, between Sections 7 and 8. Variation 15° 15' East.
	Over level land
40.00	*Set a* Sand *stone* 11 x 9 x 5 *ins.*, 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits 18 x 18 x 12 ins.,* E *and* N. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.00	*Set a* Sand *stone* 12 x 8 x 6 *ins.* 8 *ins. in the ground for Cor. to Secs.* 5-6-7-8 *marked with* 5 *notch* EO *on S. and* 5 *notch* EO *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.*
	Land level.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West
6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 15' East.
	Over level land
40.00	*Set temporary* ¼ *Sec. Cor.*
79.78	*Intersect N. & S. line,* 20 *lks.* North *of cor. to secs.* 4-5-8-9 *from which corner, I run* N. 89° 51' W. *on a true line between sections* 5-8 *Variation* 15° 15' *East*
39.89	*Set a* Sand *stone* 9 x 8 x 7 *ins.,* 6 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *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.*
79.78	*The corner to sections* 5-6-7-8
	Land level.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian.

Chains	
	West, on a random line between Sections 6 and 7.
	Variation 15° 15' East.
	Over level land
40.00	*Set temporary ¼ Sec. Cor.*
80.44	*Intersect* N. *B. of Tp.* 54 *lks.* North *of cor. to secs.* 1-6-7-12 *from which corner, I run* N. 89° 37' E., *on a true line, between sections* 6-7.
	Variation 15° ~~30'~~ 15' *East.*
40.44	*Set a* Sand *stone* 11 x 9 x 8 *ins.,* 7 *ins. in the ground, for ¼ Sec. Cor., marked* ¼ *on* N *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.*
80.44	*The corner to sections* 5-6-7-8,
	Land level.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.

Township 29 North Range 45 West

6th Principal Meridian.

Chains	
	North, on a random line between Sections 5 and 6.
	Variation 15° 15' East.
	Over level land
40.00	*Set temporary ¼ Sec. Cor.*
79.76	*Intersect* N. *B. of Tp.* 24 *lks.* West *of cor. to secs.* 5-6-31-32 *from which corner, I run* S. 10' W., *on a true line, between sections* 5-6
	Variation 15° ~~30'~~ 15' *East.*
39.76	*Set a* Sand *stone* 10 x 8 x 6 *ins.,* 7 *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 of earth* 1½ *ft. high,* 3½ *ft. base.*
79.76	*The corner to sections* 5-6-7-8
	Land level.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.
	July 10, 1882.

GENERAL DESCRIPTION.

The character of the land in this Township is varied, consisting of mountainous, level and rolling country.
It is well watered by Niobrara and Running Water Rivers.
Timber of Cottonwood, Willow and Wild Cherry is found along the banks of the Rivers, and in these portions of the Tp, the land is well adapted to agriculture.
Pinechgrass and Sagebrush are abundant throughout the Tp.
The soil is 2nd and 3rd rate.

U. S. Surveyor General's Office.

Plattsmouth Nebraska

December 18th 1882

The foregoing Field Notes of the surveys of

Subdivision lines of Township
29 North Range 45 West
of the Principal Base and

Meridian

in the State of Neb. *executed by*

D. F. Hickey (in the months of June & July)
U. S. Deputy Surveyor, under his contract No 4 *dated*

Nov 10, 1881.

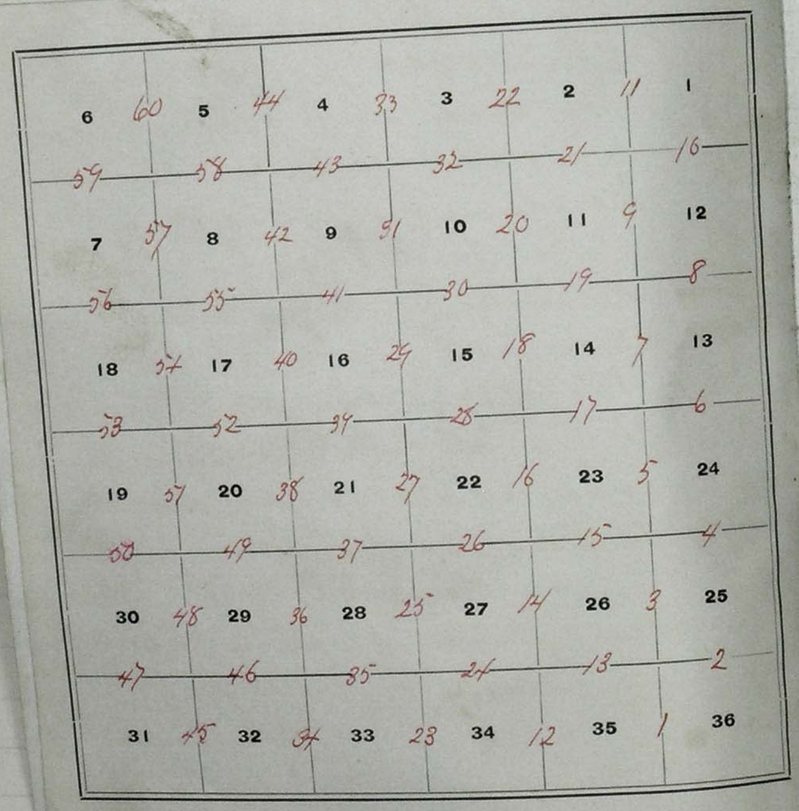
having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Geo. L. Smith

U. S. Surveyor-General for

Field Notes
of
T. 30 North
R. 45 W

Surveyed by
Charles R. Starkweather
under Contract No 111
1879



Field Notes of the Survey of the Subdivisional lines of Township No 30 North of the Base Line of Range No 45 West of the 6th Principal Meridian in Nebraska, by Charles R Starkweather Deputy Surveyor, under joint Contract No 111 wherein Nicholas J. Reed and Charles R Starkweather are joint-Contractors with George S. Smith United States Surveyor General for the district of Nebraska and Iowa, bearing date the 30th day of June 1879

1879 Survey Commenced Aug 13
Survey Completed Aug 14th 1879

Names and duties of Assistants

David Davis	Chainman
Horace G. Seeley	Chainman
R. R. Crow	Cornerman
Edwin Turner	Cornerman
Jacob Smith	Flagman

To determine the proper adjustment of My Compass for subdividing This Township I begin at the Corner to Townships 29 and 30 Ranges 44 and 45 West and run North between Sections 31 and 36 on a blank line

variation 15° 2' E

~~40.03~~ 40.03 To a point 8 links west of the 1/4 Sec Cor

~~80.08~~ 80.08 To a point 17 links west of the Corner to Sections 25. 30. 31 and 36

To retrace this line or run parallel there to My Compass must be adjusted To a variation of 15° 20' E

Township 30 N R 45 W. 6th P.M.

From the Center of Mound the Corner to Sections 1. 2. 35 and 36 on the South boundary of the Township which is in good condition I run,

North between Sections 35 & 36
Va 15° 20' E

1200 Ravine Course East
3250 Dry Creek Course S East
4000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
5200 Creek water in holes Course S.E.
8000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 25. 26. 35 and 36, Drove Marked Red Cedar Stake 2 x 2 x 24 in 1 ft deep in S.E. pit

Broken Clay Soil
Thirdrate land

Township 30 N. R 45 W. 6th P.M.

East on a random line between sections 25 and 36
Va 15° 20' E

600 Ravine Course S.E.
4000 Set temporary 1/4 Sec. Cor.
8004 Intersected the East boundary of the Township 28 links South of the Corner to Sections 25 and 36 from which Corner I run South 89° 48' West on a true line between Sections 25 and 36
Va 15° 20' E

4002 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to 1/4 Section Corner
8004 The Corner to Sections 25. 26 35 and 36

Gently rolling Clay Soil
Thirdrate land

Township 30 N. R 45 W. 6th P.M.

North, between Sections 25 and 26
Va 15° 20' E

4000 Deposited Charred Stake
raised mound of earth 2½ ft
high from pits 18 x 24 x 12 in
deep for ¼ Sec Cor

8000 Deposited Charred Stake
raised mound of earth 2½
ft high from pits 18 x 24 x 12 in
deep for Corner to Sections 23, 24
25 and 26. Drove Marked Red
Cedar Post 2 x 2 x 24 in 1 ft
deep in S.E. pit

Gently Rolling Clay and
Sandy Soil
Second rate

Township 30 N. R. 45 W. 6th P.M.

East on a random line
between Sections 24 and 25
Va 15° 30' E

4000 Set temporary ¼ Sec Cor

8012 Intersected the East boundary
of the Township 6 links North
of the Corner to Sections 24 and 25
which is a mound with pits in good
Condition from which Corner Drawn
North 89° 57' West on a true
line between Sections 24 and 25
Va 15° 30' E

4006 Deposited Charred stake
raised mound of earth 2½ ft
high from pits 18 x 24 x 12
in deep for ¼ Sec Cor

8012 The Corner to Sections 23, 24
25 and 26

East 40 chs high rolling
prairie Second rate
West 40 chs. gently rolling
sandy Third rate land

Township 30 N. R 45 W. 6th P.M.

North. between Sections 23 and 24
va 15° 22' E

4000 Deposited Charred Stake
raised Mound of earth 2½ ft
high from pits 18 x 24 x 12 in
deep for ¼ Sec Cor

6000 Leave gently rolling prairie and
Enter Sand hills brs NW. SE

8000 Deposited Charred Stake
raised Mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for Corner
To Sections 13. 14. 23 and 24
Drove Marked Red Cedar
Post 2 x 2 x 24 in 1 ft deep
in SE pit

Gently rolling Surface
Secondrate land
Sand hills Thirdrate

Township 30 N. R. 45 W. 6th P.M.

East on a random line
between Sections 13 and 24
va 15° 32' E

2300 Leave hills and enter Gently rolling
prairie brs N W and S.E.

4000 Set temporary ¼ Sec Cor

8000 Intersect the East boundary of
the Township 22 links North of
which is a mound with pits in grad and deep
the Corner to Sections 13 and 24
from which Corner I run
North 89° 57' West on a true
line between Sections 13 and 24
va 15° 32' E

4000 Deposited Charred Stake
raised Mound of earth 2½ ft
high from pits 18 x 24 x 12
in deep for ¼ Sec Cor

8000 The Corner To Sections 13. 14
23 and 24

Hill Thirdrate
balance Secondrate land

Township 30 N. R. 45 W. 6th P.M.

North, between Sections 13 and 14
Va 15° 25' E

4000 Deposited Charred Stake
raised Mound of earth 2½
ft high from pits 18 x 24
x 12 in deep for ¼ Sec Cor

8000 Deposited Charred Stake
raised mound of earth 2½
ft high from pits 18 x 24 x
12 in deep for corner to Sec-
tions 11. 12. 13 and 14. Drove
Red Cedar post 2 x 2 x 24 in
1 ft deep in S.E. pit

South 40 chs high rolling
~~Sand hilling~~ Sand hills
Thirdrate
North 40 gently rolling Clay
land Secondrate

Township 30 N. R 45 W. 6th P.M.

East on a random line
between Sections 12 and 13
Va 15° 35' E

4000 Set temporary ¼ Sec Cor
8014 Intersected the East boundary
of the Township 12 links North
of the Corner to Sections 12 and 13
Condition which is a Mound with pits, in good
from which Corner I run
~~North~~ 89° 55' West on a true
line between Sections 12 and 13
Va 15 35' E

4007 Deposited Charred Stake
raised mound of earth 2½ ft
high from pits 18 x 24 x 12 in
deep for ¼ Sec Cor
8014 The Corner to Sections 11. 12.
13 and 14

Gently rolling Sandy Soil
Secondrate

Township 30 N. R 45 W. 6th P.M.

North, between Sections 11 and 12
va 15° 20' E

4000 Deposited Charred stake
raised Mound of earth
2½ ft high from pits 18 x
24 in deep for ¼ Sec Cor

8000 Deposited Charred stake
raised mound of earth 2½
ft high from pits 18 x 24 x
12 in deep for Corner to sec-
tions 1. 2. 11 and 12 Drove
Red Cedar post 2 x 2 x 24
in 1 ft deep see S. E. Pit

Gently rolling Sandy
Soil Second rate

Township 30 N. R. 45 W. 6th P.M.

East on a random line
between Sections 1 and 12
va 15° 30' E

4000 Set temporary ¼ Sec Cor

8020 Intersected the East boun-
dary of the Township 3 links
North of the Corner to Sections
1 and 12, which is a mound with pits in good
and then from which Corner
I run
North 89° 59' West on a true
line between Sections 1 and 12
va 15 30' E

4010 Deposited Charred stake
raised mound of earth
2½ ft high from pits
18 x 24 x 12. in deep for ¼
Sec Cor

8020 The Corner to Sections 1. 2
11 and 12

West 40 chains Gently
rolling East 40 high Sand
hills Third rate

Township 30 N.R. 45 W. 6th P.M.

North on a random line between Sections 1 and 12
Va 15° 20' E

4000 Set temporary 1/4 Sec Cor

8007 Intersected the North boundary of the Township 14 links west of the Corner which is a mound with pits in good condition to Sections 1 and 2 from which Corner I run South 6' West on a true line between Sections 1 and 2
Va 15° 20' E

4007 Deposited Charred Stake raised Mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

8007 The Corner to Sections 1. 2 11 and 12

Gently rolling Clay and Sandy Soil Good Second rate

Township 30 N. R 45 W. 6th P.M.

From the South boundary of Township ~~[illegible]~~ Centre of Mound the Cor. to Secs. 34 & 35 on which is in good condition I run.

North between Sections 34 and 35
Va 15 25' E

700 Ravine Course N.E.

4000 Deposited Charred Stake raised Mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

8000 Deposited Charred Stake raised Mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for Corner to Sections 26. 27. 34 and 35, Drove Marked Red Cedar Post 2 x 2 x 24 in 1 ft deep in S.E. pit

Gently rolling Clay and sandy soil Second rate
August 15th 1879

Township 30 North R 45 W. 6th P.M.

East on a random line
between Sections 26 and 35
Va 15° 35'

3800 Creek, water in holes Course S.E.
4000 Set Temporary 1/4 Sec Cor
7990 Intersected the N. and S. line 18
links North of the Corner to
Sections 25. 26. 35 and 36 from
which Corner I run
North 89° 52' West on a true
line between Sections 26 and 35
Va 15° 35' E
3995 Deposited Charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in dep for 1/4 Sec Cor
7990 The Corner to Sections 26. 27
34 and 35

Rolling and broken along the
dry Creek Soil Second rate

Township 30 N. R 45 W. 6th P.M.

North between Sections 26 and 27
Va 15° 28' E

1075 Creek water in holes Course S.E.
4000 Deposited Charred Stake
raised mound of earth 2 1/2
ft high from pits 18 x 24 x 12
in dep for 1/4 Sec Cor
8000 Deposited Charred Stake
raised mound of earth 2 1/2
from pits 18 x 24 x 12 in dep
for Corner to Sections 23.
24 26 and 27. Drove marked Red
Cedar post 2 x 2 x 24 in ft.
dep in S.E. pit

Gently rolling clay Soil
Second rate land

Township 30 N. R 45 W. 6th P.M.

East on a random line between sections 23 and 26
Va 15° 30' E

4000 Set temporary 1/4 Sec Cor
8010 Intersected the N and S line 12 links South of the Corner To sections ~~22~~ 23, 24, 25 and 26 from which Corner I run South 89°55' West on a true line between Sections 23 and 26
Va 15° and 30' E
4005 Deposited Charred Stake raised mound of earth 2½ ft high from pits 28 x 24 x 12 in deep for 1/4 Sec Cor
8010 The Corner to Sections 22. 28. 26 and 27

Gently rolling Clay land Secondrate Soil

Township 30 N. R 45 W. 6th P.M.

North between Sections 22 and 23
Va 15° 22' E

4000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Section
8000 Deposited Charred Stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 14. 15. 22 and 23. Trees Marked ~~Cottonwood~~ Red Cedar post 2 x 2 x 24 in. 1 ft in deep in S.E.

Gently rolling Clay soil Good Secondrate land

Township 30 N. R 45 W. 6th P.M.

East on a random line between Sections 14 and 23
Va 15 30' E

4000 Set temporary 1/4 Sec Cor

8000 Intersected the N and S. line 22 links South of the Corner to sections 13. 14. 23 and 24 from which Corner I run South 89°.57' West on a true line between Sections 14 and 23
Va 15° 30' E

4000 Deposited Charred Stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in for 1/4 Sec Cor

8000 ~~Deposited Charred Stake raised Mound of earth 2½ ft~~
The Corner to Sections 14. 15 22 and 23

W. 4000 Chains Gently rolling Secondrate

Township 30 N. R. 45 W. 6th P.M.

North between Sections 14 and 15
Va 15° 20' E

4000 Deposited Charred Stake raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

8000 Deposited Charred Stake raised mound earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to sections 10. 11. 14 and 15. Drove Marked cottonwood post 2 x 2 x 24 in 1 ft deep in SE

Gently rolling clay and Sandy soil
Good Secondrate

Township 30 N. R. 45 W. 6th P.M.

East on a random line between Sections 11 and 14 Va 15° 30' E

40.00 Set temporary 1/4 Sec Cor

80.12 Intersected the N. and S. line 3 links North of Corner to Sections 11. 12. 13 and 14 from which Corner Bears North 89° 59' West on a true line between Sections 11 and 14 Va 15° 30' E

40.06 Deposited Charred Stake raised Mound of Earth 2½ ft high from pits 18 x 24 x 2 in dep for 1/4 Sec Cor

80.12 The Corner to Sections 10. 11. 14 and 15

Quite rolling Clay & Sandy Soil

Good Second rate

Township 30 N. R. 45 W. 6th P.M.

North between Sections 10 and 11 Va 15° 15' E

40.00 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dep for 1/4 Sec Cor

80.00 Deposited Charred Stake raised Mound of earth 2½ feet high from pits 18 x 24 x 12 in dep for Corner to Sections ~~30~~. 2. 3. 10 and 11. Bears Marked cottonwood post 2 x 2 x 24 in 1 ft dep in S.E. Pit

Quality rolling Clay Soil

Second rate

Township 30 N. R. 45 W. 6th P. M.

East on a random line between Sections 2 and 11
Va 15° 25' E

40 4000 Set temporary 1/4 Sec Cor
801 8010 Intersected the N. and S. line 28 links North of the Corner to Sections 1. 2. 11 and 12 from which Corner I run
North 89° 48' West on a true line between Sections 2 and 11
Va 15° 25' E.

40 4006 Deposited Charred Stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec Cor

801 8010 The Corner to Sections 2. 3. 10 and 11

Gently rolling Clay and Sandy Soil
Good Second Date

Township 30 N. R. 45 W. 6th P. M.

North on a random line between Sections 2 and 3
Va 15° 12' E

4000 Set temporary 1/4 Sec Cor
7978 Intersected the North boundary of the township 9 links East of the Corner to Sections 2 and 3. from which Corner I run
which is a mound with pits in good condition
South 4' East on a true line between Sections 2 and 3
Va 15° 12' E.

3978 Deposited Charred Stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

7978 The Corner to Sections 2. 3 10 and 11

Gently rolling clay and sand loam
First rate land

Township 30 N R 45 W 6th P.M.

From the Centre of Mound the Cor. to Secs 33 & 34 on South Boundary of Township, which is in good condition

North between Sections 33 and 34 V

Va 15° 25' E

400 4000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec Cor

801 8000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 27. 28 x 33 and 34

400 Drove marked Ash port 2 x 2 x 24 in 1 ft deep in S.E. pit

801

Gently rolling Clay Soil Good Secondrate

Township 30 N. R 45 W. 6th P.M.

East on a random line between Sections 27 and 34

Va 15° 35'

4000 Set temporary ¼ Sec Cor

8030 Intersected the N and S. line 18 links South of the corner to Sections 26. 27. 34 and 35 from which Corner I run South 89° 52' West on a true line between Sections 27 and 34

Va 15° 35' E

4015 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec Cor

8030 The Corner to Sections. 27. 28. 33 and 34

Gently rolling Clay Soil Secondrate land

Township 30 N. R. 45 W. 6th P.M.

North between Sections 27 and 28
Va 15° 20' E

4000 Deposited Charred Stake
raised Mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for
¼ Sec Cor

5000 Dry bed of Creek Course S.E.

8000 Deposited Charred Stake
raised Mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for
Corner to Sections 21 22. ~~28~~
27 and 28. Drove Marked
Willow Post 2 x 2 x 24 in
1 ft deep in S.E. pit

Gently rolling Clay
Soil Good Second rate

Township 30 N. R. 45 W. 6th P.M.

East on a random line
between Sections 22 and 27
Va 15° 30' E

4000 Set temporary ¼ Sec Cor

8006 Intersected the North and South
line 3 links north of Corner
to Sections 22. 23. 26 and 27
from which Corner I run
North 89° 59' West on a true
line between Sections 22 and 27
Va 15 30' E

4003 Deposited Charred Stake
raised mound of earth
2½ ft high from pits 18 x
24 x 12 in deep for ¼ Sec Cor

8006 The Corner to Sections 21 22. ~~23~~
27 and 28

Gently rolling Clay
Soil Good Second rate

Aug 14th 1879

27

Township 30 N. R 45 W. 6th P. M.

North between Sections 21 and 22
Va 15° 25' E

4000 Deposited Charred Stake
raised Mound of earth
2½ ft high from pits 8 x
24 x 12 in dup for 1/4 Sec Cor

4000 Deposited Charred Stake
raised Mound of earth 2½
ft high from pits 18 x 24
x 12 in dup for Corner to
sections 15. 16. 21. and 22.

400 Drove Marked Cottonwood
Post 2 x 2 x 24 in / for dup
in S.E. Pit

801½

Gently rolling Clay Soil
Second rate land

Township 30 N. R 45 W. 6th P. M.

East on a true line
between Sections 15 and 22
Va 15° 35' E

4000 Set temporary 1/4 Sec Cor
7978. Intersected the N. and S. line
12 links South of the Corner
to Sections 14. 15. 22 and 23
from which Corner a tree
bears South 89° 55 West on a true line
between Sections 15 and 22
Va 15° 35' E

3989 Deposited Charred Stake
raised Mound of earth 2½
ft high from pits 18 x 24 x
12 in dup for 1/4 Sec Cor

7978 The Corner to Sections 15
16. 21 and 22

Gently rolling Clay Soil
Second rate

Township 30 N. R. 46 W. 6th P.M.

		North between Sections 15 and 16 Va 15° 20' E.
400	4000	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18x24 x12 in dep for W¼ Sec Cor
801½		
	8000	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18x24x12 in dep for Corner to Sections 9. 10. 15 and 16
400		
801½		
		Gently rolling Clay Soil Second rate land

Township 30 N. R 46 W. 6th P.M.

	East on a random line between Sections 10 and 15 Va 15° 30' E
4000	Set Temporary ¼ Sec Cor
7988	Intersected Th. N. and S. line 24 links South of the Corner to Sections 10, 11, 14 and 15 from which Corner a run South 89° 50' West on a true line between Sections 10 and 15 Va 15° 20' E
3994	Deposited Charred Stake raised mound of earth 2½ feet high from pits 18x24x12 in dep for ¼ Sec Cor
7988	The Corner to Sections 9, 10, 15 and 16
	Gently rolling Clay Soil Second rate land

Township 30 N. R 45 W. 6th P.M.

North between Sections 9 and 10
Va 15° 17' E

4000 Deposited Charred Stake raised Mound of earth 2½ ft high from pits ~~2½ ft high from pit~~ 18 x 24 x 12 in deep for ¼ Sec Cor

8000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 3. 4. 9 and 10. Drove Marked Cottonwood post 2 x 2 x 24 in 1 ft deep in S.E. pit

400
801
400
801

Gently rolling Clay and Sandy Soil
Secondrate

Township 30 N. R 45 W. 6th P.M.

East on a random line between Sections 3 and 10
Va 15° 30' E

4000 Set temporary ¼ Sec Cor

7976 Intersected the N. and S. line 24 links South of the Corner to Sections 2. 3. 10 and 11 from which Corner I run South 89° 50' West on a true line between Sections 3 and 10
Va 15 30' E

3988 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec Cor

7976 The Corner to Sections 3. 4 9 and 10'

Gently rolling Clay Soil
Good Secondrate

Township 30 N. R. 45 W. 6th P. M.

		North on a random line between Sections 3 and 4 Va 15° 15' E
400	4000	Set temporary 1/4 Sec Cor
801	7970	~~[illegible]~~ Intersected the ~~North~~ Township ~~South line~~ 10 links East of the Corner to Sections 3 and 4 from which Corner Drun Mound with pits
		South 4' East on a true line between Sections 3 and 4 Va 15° 15' E
400	3970	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
801	7970	The Corner to Sections 3.4 9. and 10
		Gently rolling Clay Soil Secondrate

Township 30 N. R. 45 6th P. M.

Formerly Center of Mound the Cor to Secs 32 & 33 on south boundary of Township which is in good condition	North between Sections 32 and 33 Va 15° 25' E
364	Ravine Course East
4000	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
8000	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections 28. 29. 32 and 33. Drove Marked plum post 2 x 2 x 24 in 1 ft deep in S.E. pit
	Gently rolling Clay Soil Good Secondrate land

Township 30 N. R 45 W. 6th P.M.

East on a random line between Sections 28 & 33 Va 15° 30' E

4000 ~~Deposited Charred Stake raised mound of earth 2½ ft high from~~

~~Set temporary ¼ Sec Cor~~

7990 Intersected the N. & S. line 16 links North of the Corner to Sections 27. 28. 33 & 34 from which Corner I run North 89 53' West on a true line between Sections 28 & 33 Va 15 30' E

400

3995 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dup for ¼ Sec Cor

8013

7990 The Corner to Sections 28. 29 32 & 33

Gently rolling Clay Soil Fir & Tamarack

Township 30 N. R 45 W. 6th P.M.

North between Sections 28 & 29 Va 15° 30' E

4000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dup for ¼ Sec Cor

8000 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dup for Corner to Sections 20. 21 28 & 29

Drove Ash post 2 x 2 x 24 in 1 ft in dup for S.E. 1 pit

Gently rolling Clay Loam Fir & Tamarack

Township 30 N. R 45 W. 6th P.M.

	East on a random line between Sections 21 and 28 Va 15° 40' E.
4000	Set temporary 1/4 Sec Cor
4680	Drain Course S.E.
5058	Same Drain Co N.
5700	Same Drain Course S.E.
7990	Intersected the N. and S. line 28 links South of the Corner To Sections 21. 22, 27 and 28 from which Corner I saw South 89° 48' West on a true line between Sections 21 and 28 Va 15° 40' E
3995	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
7990	The Corner To Sections 20. 21 28 and 29
	Gently rolling W. 40 chs first rate balance Second rate

Township 30 N. R. 45 W. 6th P.M.

	North between Sections 20 and 21 Va 15° 30' E
1170	Drain Course East
4000	Deposited Charred Stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
8000	Deposited Charred Stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner To Sections 16. 17. 20 and 21. Drove Ash Post 2 x 2 x 24 in 1 ft deep for S.E. pits
	Gently rolling Clay Soil 1st rate

Township 30 N. R 45 W. 6th P.M.

East on a random line between Sections 16 and 21 va 15° 45' E

4000 Set temporary 1/4 Sec Cor
7966 Intersected the N. and S line 2.0 links South of the Corner to Sections 15. 16 21 and 22. from which Corner Bears South 89° 51' West on a true line between Sections 16 and 21 va 15° 45' E

4000 3983 Deposited Charred Stake raised Mound of earth 2½ ft high from pits 18 x 24 x 12 in dup for 1/4 Sec Cor

8012 7986 The Corner to Sections 16. 17. 20 and 21

Undulating Clay Soil
first rate land

Township 30 N. R. 45 W. 6th P. M.

North. between Sections 16 and 17 va 15° 40' E

4000 Deposited Charred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dup for 1/4 Sec Cor

8000 Deposited Charred Stake raised mound of earth 2½ feet high from pits ~~2½~~ feet 18 x 24 x 12 in dup for Corner to Sections 8. 9. 16 and 17

Drove Ash post 2 x 2 x 24 in 1 ft dup in S.E. pit

Undulating Clay Soil
first rate land

August 15th 1879

Township 30 N. R 45 W. 6th P.M.

	East on a random line between Sections 9 and 16 va 15° 5' 0"E
4000	Set temporary 1/4 Sec Cor
7984	Intersected the N. and S line 8 links North of the Corner to Sections 9. 10. 15 & X from which corner a tree North 89° 57' West on a true line between Sections 9 and 16 va 15° 5' 0"E
3992	Deposited charred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dup for 1/4 Sec Cor
7984	The corner to Sections. 8. 9 16 and 17
	Undulating Clay Soil 1st Rate land

Township 30 N. R 46 W. 6th P.M.

	North between Sections 8 and 9 va 15° 42' E
4000	Deposited charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dup for 1/4 Sec Cor
8000	Deposited charred stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dup for corner to Sections 4. 5. 8 and 9 Drove Ash post 2 x 2 x 24 in 1 ft dup in S.E. pit
	Undulating Clay Soil 1st Rate land

Township 30 N. R. 45 W. 6th P.M.

	East on a random line between Sections 4 and 9 va 15° 50' E
4000	Set temporary 1/4 Sec Cor
7998	Intersected the N. and S. line 22 links South of the Corner to Sections 3. 4. 9 and 10 from which Corner I run South 89° 31' West on a true line between Sections 4 and 9 va 15° 50' E
3999	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ~~Corner~~ 1/4 ~~to~~ Section Corner
7998	The Corner to Sections 4. 5 8. and 9
	West 40 on deleting first rate East 40 Gently rolling Clay and Sandy Soil Secondrate

Township 30 N. R 45 W 6th P.M.

	North on a random line between Sections 4 and 5 va 15° 45' E
4000	Set temporary 1/4 Sec Cor
8010	Intersected the North boundary of the Township 28 links East of the Corner mound in the pits to Sections 4 and 5 which is in good condition from which corner I run South 12' East on a true line between Sections 4 and 5 va 15° 45' E
4010	Deposited Charred Stake Raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
8010	The Corner to Sections 4. 5. 8 and 9
	Gently rolling Good Secondrate Soil

Township 30 N. R 45 W 6th P.M.

From the Centre of Mound [illegible] to Secs. 31 & 32 on South boundary of Township which is in good condition

	North bet. Sections 31 and 32
	Va 15° 35' E
4000	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
8000	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for Corner to Sections ~~4. 5. 8 and 9~~ 29. 30. 31 & 32
	Drove marked Cottonwood post 2 x 2 x 24 x 12 1 ft deep in S E pit

Gently rolling Clay land
Fisstrate Soil

Township 30 N. R 45 W. 6th P.M.

	East on a random line between Sections 29 and 32
	Va 15° 45' E
4000	Set temporary 1/4 Sec Cor
8006	Intersect the North and South line 14 links North of the Corner to Sections 28. 29. 32 and 33 from which corner I run
	North 89° 54' West on a true line between Sections 29 and 32
	Va 15° 45' E
4003	Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
8006	The Corner to Sections 29. 30 31 and 32

Gently rolling Clay Soil
1st rate land

Township 30 North R 45 W 6th P.M.

	West on a random line between Sections 30 and 31 Va 15° 45' E
4000	Set temporary 1/4 Sec Cor
8060	Intersected the west boundary of the Township 12 lks North of the Corner to Sections 30 and 31 which is a mound with pits in good condition from which Corner I run
	North 89° 55' East on a true line between Sections 30 and 31 Va 15° 45' E
4060	Deposited Charred Stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
8060	The Corner to Sections 29 30. 31 and 32
	Gently rolling Surface Clay Soil 1st rate land

Township 30 N. R 45 W 6th P.M.

	North between Sections 29 and 30 Va 15° 40' E
4000	Deposited Charred Stake raised mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor
7020	Drain Course S.E.
8000	Deposited 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. 20. 29 and 30. Drove Cottonwood post 2 x 2 x 24 in 1 ft deep in S.E. pit
	Gently rolling Clay Soil first rate

Township 30 N. R 45 W. 6th P.M.

East on a random line between Sections 20 and 29 Va 15° 50' E

1450 Drain to N.E.

4000 Set Temporary 1/4 Sec Cor

7992 Intersected the N. and S line 20 Links South of the Corner to Sections 20 21. 28 and 29 from which Corner Drum South 89° 51' West on a true line between Sections 20 and 29 Va 15° 50' E

4000

3996 Deposited Charred Stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in dept for 1/4 Sec Cor

8012 7992 The Corner to Sections 19. 20. 29 and 30

Gently rolling Clay Soil Firstrate Land

Township 30 N. R 45 W. 6th P.M.

West on a random line between Sections 19 and 30 Va 15° 50' E

4000 Set Temporary 1/4 Sec Cor

8014 Intersected the Northern boundary of the Township 22 Links South of the Corner to Sections 19 and 30 which is a mound with pits in good condition from which Corner Drum South 89° 51' East on a true line between Sections 19 and 30 Va 15° 50' E

4014 Deposited Charred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dept for 1/4 Sec Cor

8014 The Corner to Sections 19. 20. 29 and 30

Gently rolling Clay Soil Firstrate Land

Township 30 N. R 45 W. 6th P.M.

North between Sections 19 and 20
Va 15° 40' E

4000 Deported charred Stake
raised mound of earth 2½
ft high from pits 18 x 24 x 12
in deep for 1/4 Sec Cor

8000 Deported charred Stake
raised mound of earth 2½
ft high from pits 18 x 24 x
12 in deep for Corner to
Sections 17, 18, 19 and 20

Drove Cottonwood post
2 x 2 x 24 in 1 ft ~~deep~~ in SE pit

Gently rolling Clay soil
Finstrate land

Township 30 N. R 45 W. 6th P.M.

East on a random line
between Sections 17 and 20
Va 15° 50' E

4000 Set temporary 1/4 Sec Cor
8028 Intersected the N. and S line
14 links South of the Corner
to Sections 16, 17 and 20 from
which Corner I run
South 89° 54' West on a true
line between Sections 17 and 20
Va 15° 50' E

4014 Deported charred Stake
raised mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for 1/4
Sec Cor.

8028 The Corner to Sections
17, 18, 19 and 20

Gently rolling Clay soil
Finstrate land

Township 30 N. R 45 W 6th P M

	West on a random line between Sections 18 and 19 va 15° 50' E
4000	Set Temporary 1/4 Sec Cor
7964	Intersected the West boundary of the Township 35 links South of the Corner to Sections 18 and 19 from which Corner d saw South 89° 45' East on a line line between Sections 18 and 19 va 15° 50' E
3964	Depointed & barred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dep for 1/4 Sec Cor
7964	The Corner to Sections 17. 18. 19 and 20

Gently rolling Clay Soil
Limestone land

Township 30 N. R 45 W. 6th P.M.

	North between Sections 17 and 18 va 15° 88' E
4000	Depointed Charred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dep for 1/4 Sec Cor
8000	Depointed & barred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dep for Corner to Sections 7. 8. 17 and 18 Drove Ash post 2 x 2 x 24 in 1 ft dep in SE pit

Undulating Clay Soil
Limestone land

August 16th 1879

55

Township 30 N. R 45 W 6th P.M.

		East on a random line between Sections 8 and 17 va 15° 50' E
4000	4000	Set temporary 1/4 Sec Cor
8012	8014	Intersected the N and S. line 24 links South of the Corner to Sections 16, 17, 8 and 9 from which Corner I run South 89° 50' West on a true line between Sections 8 and 17 va 15° 50' E
4000	4007	Deposited Charred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dep for 1/4 Sec Cor,
8012	8014	The Corner to Sections 7. 8. 17 and 18
		Rusty rolling Clay Soil first rate land

56

Township 30 N. R 45 W 6th P.M.

		West on a random line between Sections 7 and 18 va 15° 50' E
	4000	Set temporary 1/4 Sec Cor
	7912	Intersected the West boundary of the Township 28 links South of the Corner to Sections 7 and 18 which is a mound of pits and ditches from which Corner I run South 89° 48' East on a true line between Sections 7 and 18 va 15° 50' E
	3912	Deposited Charred Stake raised mound of earth 2½ feet high from pits 18 x 24 x 12 in dep for 1/4 Sec Cor,
	7912	The Corner to Sections 7. 8 17 and 18
		Rusty rolling Clay Soil first rate land

Township 30 N. R 45 W. 6th PM

North between Sections 7 and 8

Va 15° 35' E

4000 Deposited Charred Stake raised Mound of Earth 2½ feet high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

8000 Deposited Charred Stake raised Mound of Earth 2½ feet high from pits 18 x 24 x 12 in deep for Corner to Sections 5. 6. 7 and 8 Brass Marked ash post 2 x 2 x 24 in 1 ft deep in SE post

Undulating Clay Soil Firstrate Land

Township 30 N. R. 45 W. 6th P.M.

East on a random line between Sections 5 and 8

Va 15° 45' E

4000 Set Temporary 1/4 Sec Cor

8030 Intersected the ~~North~~ South line 18 links South of the Corner to Sections 4. 5 & 8 & 9 from which Corner a Burr South 89° 52' West on a true line between Sections 5 and 8

Va 15° 45' E

4015 Deposited Charred Stake raised Mound of Earth 2½ feet high from pits 18 x 24 12 in deep for 1/4 Sec Cor

8030 The Corner to Sections 5. 6. 7 and 8

Undulating Clay Soil Firstrate Land

4000
8012

4000

8012

Township 30 N. R 45 W 6th P M

West on a random line between Sections 6 and 7
Va 15° 45' E

4000 Set temporary 1/4 Sec Cor
7848 Intersected the West boundary of the Township 28 links South of the Corner to Secs 6 and 7 which is a mound with pits in good condition from which Corner Iron

South 89° 48' East on a true line between Sections 6 and 7
Va 15 45' E

3848 Deposited Charred Stake raised mound of earth 2 1/2 feet high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

7848 The Corner to Sections 5. 6. 7 and 8

Gently rolling Clay Soil
Firstrate

Township 30 N. R 45 W 6th P M

North on a random line between Sections 5 and 6
Va 15° 35'

4000 Set temporary 1/4 Sec Cor
8013 Intersected the North boundary of the Township 40 links West of the Corner to Sections 5 and 6 which is a mound with pits in good condition from which Corner Iron

South 17' West on a true line between Sections 5 & 6
Va 15° 35' E

4013 Deposited Charred Stake raised mound of earth 2 1/2 feet high from pits 18 x 24 x 12 in deep for 1/4 Sec Cor

8013 The Corner to Sections 5. 6. 7 and 8

S. 40 chs. undulating. balance rolling Secondrate

August 17th

General Description

This Township is watered in the South East part by the Niobrara River. The Surface is Gently rolling, Somewhat broken by ravines. The Soil is Clay and Sandy loam and is good for Agricultural purposes

There is no timber of Consequence, there being only a few Cottonwood trees along the River in Section 36

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 Township No 30 North of the Base Line of Range No 45 West of the 6th Principal Meridian showing the respective Capacities in which they acted;

David Davis Chainman
Horace G. Seeley Chainman
R. K. Crow Cornerman
Edwin Turner Cornerman
Jacob Smith Flagman

We hereby certify that
we assisted Charles
R. Starkweather, Deputy
Surveyor in surveying
and subdividing Township
Number Thirty North
of the Base line of range
Number Forty five
West of the 6th Principal
Meridian in the State
of Nebraska and that said
Township has been in
all respects to the best
of our knowledge and
belief, well and faith-
fully surveyed and
the Boundary Monuments
planted according to
the instructions furnish-
=ed by the Surveyor
General of dimensions
Character, Construction
and marking and in
the manner as

specifically described
in the foregoing field
Notes

David Davis Chainman
Horace G. Seeley Chainman
R. R. Cron Cornerman
E. Wm. Turner Cornerman
Jacob Smith Flagman

Signed in my presence and
sworn to before me this 30
day of Sept 1879

A. J. Kendall
Clerk Dist Ct

14

4000

8012

4000

8012

I Charles R Starkweather
Deputy Surveyor do solemly
swear, That in pursuance of
a joint Contract wherein Nicholas J.
Paul and Charles R Starkweather are
joint Contractors with George
D. Smith United States Surveyor
General for the District of Nebraska
and Iowa bearing date the
30th day of June 1879. I have
well, faithfully and truly, in My
own proper person and in Strict
conformity with the instructions
furnished by the Surveyor General
the Surveying Manual and the
Laws of the United States, Surveyed
all those parts or portions of Town-
Ship No 30 North of the Base Line
of Range No 45 West of the 6th
Principal Meridian in Nebraska
that are represented in the fore-
going Field Notes as having
been Surveyed under My
directions and I do further Solemnly

14

To

4000
8012

4006

8012

swear that all the corners of said Surveys have been Established and perpetuated in strict accordance with the Surveying Manual, printed instructions, Spicial instructions of the Surveyor general, of dimension character construction and Marking and in the Manner as Spicifically described in the foregoing field Notes and that the foregoing are the true and original field notes of such Survey.

Charles R. Starkweather
Deputy Surveyor

Signed in my presence & sworn to before me this Oct 27 - 1879 -

A. G. Kendall
Clerk Dist Ct

Surveyor Generals Office
Plattsmouth Neb. Dec. 18th 1879

The foregoing field Notes of the Survey & Subdivision of Township No 20 North of the Base Line of Range No 45 West of the 6th P.M. in Nebraska. Executed by Charles R. Starkweather Deputy Surveyor under joint Contract No 11 dated June 30th 1879. in the Month of August 1879. having been Critically Examined the necessary Corrections and Explanations made the said field notes and the surveys they describe are hereby approved

Geo S. Smith
Surveyor General

14

4000
8012

4000

8012

Field Notes
of
T. 31 N.
R. 45 W.

Survey'd by
Charles R. Stark weather
under Contract No. 109
1878

Index Diagram
to
Town 31 N R 45 W

6	63	5	47	4	36	3	25	2	14	1
62		61		46		35		24		13
7	60	8	45	9	34	10	23	11	12	12
59		58		44		33		22		11
18	57	17	43	16	32	15	21	14	10	13
56		55		42		31		20		9
19	54	20	41	21	30	22	19	23	8	24
53		52		40		29		18		7
30	51	29	39	28	28	27	17	26	6	25
50		49		38		27		16		5
31	48	32	37	33	26	34	15	35	4	36

(a.)

Field Notes

of the

Subdivisional lines of Township 31 North of the Base line of the 6th Range No. 45 West of the 6th Principal Meridian Nebraska Surveyed by Charles R. Starkweather, Deputy Surveyor, under joint Contract No. 109 wherein Nicholas J. Paul, Robert Harvey and Charles R. Starkweather, are joint Contractors with John R. Clarke United States Surveyor General for the District of Nebraska and Iowa

Survey commenced October 23rd 1878

Survey Completed October 29th 1878

(B.)

Names and duties of Assistants

W. S. Orr, Chainman
J. S. Davenport Chainman
R. R. Crow Cornerman
E. J. Seeley Cornerman
S. F. Keeney Flagman

T. 31 N R 45 W.

To determine the proper adjustment of my Compass for subdividing this Township I begin at the corner to Townships 30 & 31 North Ranges 44 & 45 W. and run North on a blank line along the East boundary of sec 36
Va 15° 15' E.

39.95 To a point 6 lks West of the 1/4 sec corner
7990 To a point 12 lks West of the corner to secs. 25 & 36
To retrace this line or run parallel thereto my Compass must be adjusted to a Variation of 15° 10' East

Subdivision begun
October 23rd 1878

T 31 N R 45 W.

From the corner to secs. 1, 2, 35 and 36 on the South boundary of the Township I run North between secs 35 & 36 Va = 15° 10' E

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

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 25, 26, 35 & 36. Drove marked Red Cedar stake 2 x 2 x 24 in SE pit

Gently rolling Clay & sandy loam Soil Second Rate

T. 31 N R 45 W.

East on random line between secs. 25 and 36 Va = 15° 15' E.

4000 Set temporary 1/4 sec cor.

80.20 Intersect East boundary 12 Chs. North of corner to secs 25 and 36 from which corner I run N. 89° 55' West on true line between secs 25 and 36 Va = 15° 15' E.

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

80.20 The corners to secs 25, 26, 35 and 36

Gently rolling Clay & sandy loam Soil First rate

Croppings of Sandstone in North part of Section 36.

T. 31 N R 45 W

	North between Secs. 25 & 26 Va 15° 05' E
4000	Deposit Chained stake raised mound of earth 2½ ft. high from pits 18 24 x 12 in deep for 1/4 Sec Cor
8000	Deposit Chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to Secs. 23, 24 25 and 26 Drove marked Red Cedar stake 2 x 2 x 24 in in S E pit Gently rolling Clay loam, fine trate

T 31 N R 45 W

	East on random line between Secs 24 & 25 Va 15° 15' E
4000	Set temporary 1/4 Sec Cor
8008	Intersect East boundary 14 Chs North of corner to Secs 24 and 25 from which Corner B bears N 89° 54' West on true line between Secs 24 & 25 Va 15° 15' E
40,04	Deposit Chained stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in Deep for 1/4 Sec Cor.
8008	The corner to Secs 23, 24 25 and 26 Land gently rolling Clay loam Soil fine trate

T. 31 N R 45 W

North between secs. 23 & 24
Va 15° 08' E.

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

7650 Dry creek, or drain course NE.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to secs. 13, 14, 23 and 24
Drove marked Red Cedar stake ~~raised mound of Earth 2½ ft. hrs~~, 2 × 2 × 24 in. in SE pit
Gently rolling
Clay loam Soil
firstrate

4000
8012
4006
8012

T 31 N R 45 W

East on random line between secs. 13 & 24
Va 15° 15' E.

225 Drain course NE

4000 Set temporary 1/4 sec cor.

8030 Intersect East boundary 20 lks North of corner to secs 13 and 24 from which corner I run
N 89° 51' West on true line between secs. 13 & 24
Va 15° 15' E.

4015 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for 1/4 sec cor.

8030 The corner to secs. 13, 14, 23 and 24
Land gently rolling
Clay loam
Soil firstrate

T. 31 N R 45 W

North between Secs. 13 & 14
Va 15° E.

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

80 00 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 × 24 × 12 in. deep for
corner to secs. 11, 12, 13
and 14
Drove marked Red Cedar
stake 2 × 2 × 24 in. in & pit
Land gently rocking
Soil Jinetrate

T. 31 N R 45 W

East on random line
between Secs. 12 & 13
Va 15° 15' E.

25 00 Drain course SE
40 00 Set temporary 1/4 Sec Cor
80 20 Intersect East boundary
10 lks North of corner to Secs
12 & 13 from which corner
a pine
N 89° 56' West true line
between Secs. 12 & 13
Va 15° 15' E.

40 10 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 × 24 × 12 in. deep for
1/4 Sec Cor

80 20 The corner to secs
11, 12, 13 and 14
Surface gently rolling
Clay loam
Soil Jinetrate

T. 31 N R 45 W

North between secs. 11 & 12
Va 15° E.

3000 Drain course S E

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

8000 Deposit chained stake raised mound of earth 2½ ft. high from pits 18+24+12 in. deep for corner to secs. 1, 2, 11 and 12
Drove marked Red Cedar Stake 2+2+24 in in S E pit
Surface undulating Clay loams. Soil fine grade

T. 31 N R 44 W

East on random line between secs. 1 & 12
Va 15° 12' E.

4000 Set temporary 1/4 sec cor

79.90 Intersect E & W st boundary 14 chs North of corner to secs. 1 and 12 from which corner I also
N 89° 54' West on true line between secs. 1 & 12
Va 15° 12' E.

39.95 Deposit chained stake raised mounds of earth 2½ ft. high from pits 18+24+12 in. deep for 1/4 sec cor

79.90 The corner to secs. 1, 2, 11 and 12
Land gently rolling Clay loam Soil fine grade

T. 31 N R 45 W

North on random line
between secs. 1 & 2
Va 15°05' E.

4000 Set temporary 1/4 sec Cor.

79.82 Intersect North boundary
10 lks East of corner to secs
1 and 2 from which
Corner I run
South 4' E. on true line
between secs. 1 & 2
Va 15°05' E

3982 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in deep for
1/4 sec cor

79.82 The corner to secs. 1, 2
11 and 12
Land gently rolling
Soil clay loam
firstrate

T. 31 N R 45 W

North between secs 34 & 35
Va 15°05' E.

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

8000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in deep for
corner to secs. 26, 27
34 and 35
Drove marked Red Cedar
stake 2 x 2 x 24 in in
S E pit
Land rolling
Clay & sandy loam
Soil firstrate

T 31 N R 45 W

East on random line
between secs 26 & 35
Var 15° 15' E.

40.00 Set temporary 1/4 sec cor
80.06 Intersect N. & S. line
14 lks North of corner
to secs. 25. 26. 35 & 36 from
which corner I run
N 89° 54' West on true line
between secs. 26 & 35
Var 15° 15' E

40.03 Deposit channel stake
raised mound of Earth
2½ ft. high 3 md pits
18 + 24 + 12 in. deep for
1/4 sec cor

80.06 The corner to secs 26 27
34 and 35
Surface rolling
Clay and sandy loam
Soil second rate

T 31 N R 45 W

North between secs 26 & 27
Var 15° 05' E

40.00 Deposit channel stake
raised mound of earth
2½ ft high 3 md pits
18 + 24 + 12 in deep
for 1/4 sec cor

66.75 Drain course East

80.00 Deposit channel stake
raised mound of earth
2½ ft high 3 md pits
18 + 24 + 12 in deep
for corner to secs. 22
23 26 and 27. Drive marked
Red Cedar stake 2 + 2 + 24 in in 8 pit
South half rolling
Clay & sandy soil
2 second rate
North half undulating
Clay loams, first rate
October 23rd 1878

T 31 N R 45 W

East on random line
between secs. 23 & 26
Va 15°15' E.

4000 Set temporary 1/4 sec. cor.
6450 Drain coarse N E
7990 Intersect N & S. line 10
Chs North of corner to secs
23, 24, 25, 26 from which
corner I run
N 89°56' West on true line
between secs 23 & 26
Va 15°15' E.

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

7990 The corner to secs 22
23, 26 and 27
Gently rolling
Clay loam
Soil Firstrate

T 31 N R 44 W

North between secs 22 & 23
Va 15°10' E

25.00 Leave undulating Clayland
for hills bear E. & W.

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

8000 Deposit charred stake
Set Sandstone 20 × 6 × 3 in.
marked as per instructions
raised mound of earth
2½ ft. high from pits 18
+ 24 × 12 in deep for corner
to secs. 15, 16, 21 and 22
First 25 chs. undulating
Clay loam - firstrate
Balance high rolling
Clay hills, soil thirdrate
Croppings of Sandstone
on hills

T. 31 N R 45 W

East on random line
between Secs. 14 & 23
Va 15° 12' E.

28,00 Leave hills for lower plain
bears N 60° E

40,00 Set temporary 1/4 sec cor,

79,86 Intersect N & S line at the
corner to secs. 13, 14, 23 & 24
from which corner I saw
West on true line between
Secs. 14 and 23
Va 15° 12' E.

39,93 Deposit chained stake
raised mound of earth
2½ ft. high from pits 18+24
+12 in deep for 1/4 Sec Cor

79,86 The corner to secs. 14
15, 22 & 23
West 28 chs dry hills
Soil Thirdrate
Balance gently rolling
Clay loam
Soil Firstrate

T. 31 N R 45 W

North between Secs. 14 & 15
Va 15° 05' E.

20,00 Leave hills for lower
plain bears N 60° E

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

80,00 Deposit chained stake
raised mound of earth
2½ ft. high from pits 18+
24+12 in deep for corner
to secs. 10, 11, 14 and 15
Drove marked Red Cedar
stake 2x2x24 in in S E pit
South 20 chs. Sandy
Soil Thirdrate
Balance Clay loam
Soil Firstrate

T 31 N R 45 W

East on random line
between secs. 11 & 14
Va 15° 10' E.

4000 Set temporary 1/4 sec cor.
7984 Intersect M & S. line 2.6 ch
South of corner to secs. 11.
12, 13 and 14 from which
corner I run
S 89° 49' West on true line
between secs. 11 & 14
Va 15° 10' E

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

7984 The corner to secs
10, 11, 14 and 15
Surface undulating
Soil Clay loam
fir strata

T 31 N R 45 W

North between secs. 10 & 11
Va 15° 05' E.

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

68.30 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. 2, 3, 10 and 11
Drove marked Red Cedar
Stake 2 × 2 × 24 in in
SE pit
Surface gently rolling
Clay loam
Soil fir strata

T 31 N R 45 W

East on random line between secs. 20 & 11
Va 15° 12' E.

40.00 Set temporary 1/4 sec cor
80.18 Intersect N-S. line 20 Chs South of corner to secs. 12, 11 and 1 from which corner I run S 89° 57' West on true line between secs. 20 & 11
Va 15° 12' E.
40.09 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 2 in. deep for 1/4 sec. cor.
80.18 The corner to secs. 2, 3, 10 and 11
Land gently rolling
Clay loam
Soil & Substrata

T 31 N R 45 W

North on random line between secs 2 & 3
Va 15° 08' E

40.00 Set temporary 1/4 sec. Cor.
80.20 Intersect North boundary 26 Chs West of ~~the line between secs~~ 2nd Corner to secs. 2 & 3 from which corner I run
South 11' West on true line between secs. 2 & 3
Va 15° 08' E
40.20 Deposit charred stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 2 in. deep for 1/4 sec cor
80.20 The corner to secs. 2, 3, 10 and 11
Rolling Clay and Sandy loam
Soil & Substrata

T. 31 N R 45 W

North between secs 33 & 34
Va 15° 05' E.

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

8000 Deposit chained stake raised mound of earth 2½ ft. high from pits 18 × 24 × 12 in deep for corner to secs 27, 28, 33 and 34 Trees marked Red Cedar stake 2 × 2 × 24 in in SE pit
Land Rolling
Clay & sandy loam
Soil second rate

T. 31 N R 45 W.

East on random line between secs. 27 & 34
Va 15° 15' E

4000 Set temporary 1/4 sec cor

8010 Intersect N & S line 16 Ch North of corner to secs. 26, 27, 34 and 35 from which corner I run
N 89° 53' West on true line between secs. 27 & 34
Va 15° 15' E

40.05 Deposit chained stake raised mound of Earth 2½ ft high from pits as per instructions for 1/4 sec cor

8010 The corner to secs 27, 28, 33 & 34
Rolling, Clay and Sandy Soil second rate

T 31 N R 45 W

North between Secs 27 & 28
Va 15° E

14.50 Drain course East

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

8000 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 + 24 + 12 in. deep for corner to secs. 21, 22, 27 and 28

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

Gently rolling Clay & Sandy soil

Fist rate

October 24th 1878

T 31 N R 45 W

East on random line between secs 22 & 27
Va 15° 15' E.

4000 Set temporary 1/4 sec cor.

45.00 Drain course OE.

79.96 Intersect N & S line 40 lks North of corner to secs. 22 23. 26 and 27 from which corner I run

N 89° 43' West on true line between secs. 22 & 27
Va 15° 15' E

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

79.96 The corner to secs 21, 22, 27 and 28

Undulating Clay and Sandy soil 1st rate

T. 31 N R 45 W.

North between secs 21 & 22
Va 15° 05' E
33.60 Drain course S E
4000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+24×12 in deep for 1/4
sec cor
8008 Deposit charred stake
raised mound of earth
2½ ft. high from pits
18+24×12 in deep for
corner to secs. 15. 16. 21
and 22
Drove marked Red Cedar
stake 2×2×24 in in S. E. pit

T. 31 N R 45 W

East on random line
between secs. 15 & 22
Va 15° 05' E.
4000 Set temporary 1/4 sec cor
62.00 Leave undulating land
for Hills bear N & S
8008 Intersect N & S line 16 lks
South of corner to secs. 14
15. 22 and 23 from which
corner I run
S 89° 53' West on true line
between secs. 15 & 22
Va 15° 05' E.
4004 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
+24×12 in deep for
1/4 sec cor
8008 The corner to secs. 15. 16
21 and 22
West 62 chs undulating
Clay & sandy loam fir strate
Balance high hills
thirdrate

T. 31 N R 45 W

North between secs 15 & 16
Va 15° 10' E,

4000 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for
1/4 Sec Cor

8000 Deposit chained stake
raised mound of earth
2½ ft. high from pits 18
+ 24 + 12 in deep for
Corner to secs. 9, 10, 15 & 16
Drove marked Red Cedar
Stake 2 × 2 × 24 in in S Expt
South 25 chs undulating
Clay & sandy loam
Soil Second rate
Balance gently
rolling First rate
Oct

T. 31 N R 45 W

East on random line
between secs. 10 & 15
Va 15° 15' E

40.00 Set temporary 1/4 Sec Cor
80 20 Intersect N & S. line 40 chs
North of corner to secs. 10, 11
14 and 15 from which corner
I run
N 89° 41' West on true line
between secs. 10 & 15
Va 15° 15' E.

1/0 10 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 + 12 in deep for 1/4
Sec Cor

80 20 The corner to secs. 9, 10
15 and 16
Gently rolling
Clay & sandy loam
Soil First rate

T 31 N R 45 W

North between secs. 9 & 10
Va 15° 05' E

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

65.20 Drain course S E.

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to secs. 3. 4, 9 and 10
Drove marked Red Cedar stake 2 + 2 + 24 in in S E pit
Rolling, Clay and Sandy, loam Soil
firstrate

T. 31 N R 45 W

East on random line between secs. 3 & 10
Va 15° 15' E.

4000 Set temporary 1/4 sec cor.

8034 Intersect N & S. line 48 lks North of corner to secs. 2, 3, 10 and 11 from which corner I run
N 89° 39' West on true line between secs. 3 & 10
Va 15° 15' E.

4017 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 1/4 sec cor

80.34 The corner to secs 3, 4, 9 and 10
Rolling Clay and Sandy loam
Soil firstrate

T 31 N R 45 W

North between secs. 3 & 4
on random line Va 15° 05' E.

4000 Set temporary 1/4 sec cor

7960 Intersect North boundary
68 lks West of the corner to
secs 3 & 4 from which corner
I run
South 28' W. on true line
between secs 3 & 4
Va 15° 05' E.

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

79.60 The corner to secs
3, 4, 9 and 10
Rolling Clay and
Sandy loam
Soil, good secondrate

T 31 N R 45 W

North between secs 32 & 33
Va 15° 05' E.

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

8000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in. deep for
corner to secs, 28, 29
32 & 33
Drove marked Red Cedar
stake 2 x 2 x 24 in in 8 Ep pit
Rolling Clay and
Sandy loam
Soil, secondrate

T. 31 N R 45 W

East on random line
between secs 28 & 33
Va 15° 15' E.

40.00 Set temporary 1/4 sec cor
80.40 Intersect N & S line 24
lks. North of corner to secs
27, 28, 33 and 34 from which
corner red
N 89° 50' West true line
between secs. 28 & 33
Va 15° 15' E.
40.20 Deposit chained stake
raised mound of earth
2 1/2 ft. high from pits 18
x 24 x 12 in. deep for 1/4
sec cor
80.40 The corner to secs
28, 29, 32 & 33
Rolling, Clay and
Sandy loam
Soil Secondrate

T. 31 N R 45 W

North between secs 28 & 29
Va 15° E.

9.00 Drain course East
10.00 Deposit chained stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in deep for
1/4 sec cor.
80.00 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits 18
x 24 x 12 in deep for
corner to secs. 20, 21,
28 and 29
Drove marked Red Cedar stake
2 x 2 x 24 in. in E pit
Undulating Clay and
Sandy loam, Soil
Just so rate

T 31 N R 45 W

East on random line
between secs. 21 & 28
Va 15°15' E.

2700 Drain course South
4000 Set temporary 1/4 sec cor
8004 Intersect N & S line 28 lks
North of corner to secs. 21, 22
27 & 28 from which corner
I run N 89°48' West on
true line between
secs. 21 & 28
Va 15°15' E

4002 Deposit charred stake
raised mound of earth 2 1/2
ft. high from pits 18 +
24 + 12 in deep for 1/4
sec cor

8004 The corner to secs. 20
21, 28 and 29
Undulating Clay and
Sandy loam
Soil firstrate

T 31 N R 45 W

North between secs. 20 & 21
on Va 15°08' E.

2200 Drain course SE
4000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
+ 24 + 12 in deep 1/4
sec cor

8000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 + 24 + 12 in deep for
corner to secs. 16, 17, 20
and 21
Drove marked Red Cedar stake
2 + 2 + 24 in in SE pit
Surface undulating
Clay and sandy
loam, soil firstrate

T 31 N R 45 W

East on random line
between secs. 16 & 21
Va 15° 15' E.

4000 Set temporary 1/4 sec cor
61.40 Drain course S E
79.66 Intersect N & S line 44 lks
North of corner to secs. 15. 16
21 and 22 from which
corner I run
N 89° 41' West on true line
between secs. 16 & 21
Va 15° 15' E

3983 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in. deep for
1/4 sec cor

79.66 The corner to secs. 16. 17
20 & 21
Undulating Clay and
Sandy loam, firstrate

T 31 N R 45 W

North between secs. 16 & 17
Va 15° 05' E.

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

8000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18 x
24 x 12 in deep for corner
to secs. 8, 9, 16 and 17
Drove marked Red Cedar
stake 2 x 2 x 24 in in S E pit
Surface gently rolling
Soil firstrate

T. 31 N R 45 W

East on random line
between secs. 9 & 16
Va 15° 12' E

2700 Drain course S E
40.00 Set temporary 1/4 sec cor
7988 Intersect N & S line 16 & 16
North of corner to secs. 9. 10.
15 and 16 from which
corner a pine
N 89° 53' West on true line
between secs. 9 and 16
Va 5° 12' E.
39.94 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits 18 x
2 x 12 in deep for 1/4 sec
corner
7988 The corner to secs. 8
9, 16 and 17
Gently rolling, Clay
and Sandy loam
Soil Frost mile
October 27th 1878

T. 31 N R 45 W

North between secs. 8 & 9
Va 15° 05' E.

40.00 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits 18 x
2 x 12 in deep for 1/4
sec cor
44.00 Drain course S E
80.00 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
18 x 2 x 12 in deep
for corner to secs.
4, 5, 8 and 9
Drove marked Red Cedar
stake 2 x 2 x 24 in in
S E pit
Rolling surface
Clay Soil 4th rate

T. 31 N R 45 W

East on random line
between secs. 4 & 9
Va 15° 12' E

4000 Set temporary 1/4 sec cor.
67.50 Drain course SE
79.80 Intersect N & S line 21
lks South of corner to
secs. 3, 4, 9 and 10 from which
corner I run
S 89° 51' West on true line
between secs. 4 & 9
Va 15° 12' E
3990 Deposit charred stake
raised mound of north
2 1/2 ft high from pits
18 x 24 x 12 in deep for
1/4 sec cor
79.80 The corner to secs 4
5, 8 and 9
Rolling Clay & Sandy
Soil 2nd rate

T. 31 N R 45 W

North on random line
between secs 4 & 5
Va 15° 08' E

4000 Set temporary 1/4 sec cor.
79.78 Intersect North boundary
40 lks West of corner
to secs 4 & 5 from which
corner I run
South 17' W. on true line
between secs 4 & 5
Va 15° 08' E
39.78 Deposit charred stake
raised mound of north
2 1/2 ft. high from pits
18 x 24 x 12 in deep
for 1/4 sec cor
79.78 The corner to secs. 4, 5
8 and 9
Surface rolling
Clay and sandy soil
Second rate

T 31 N R 45 W.

North between secs 31 & 32
Var 15° E.

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

8000 Deposit charred stake
raised mound of
earth 2½ ft. high from
pits 18+24+12 in.
deep for corner to
secs. 29, 30, 31 and 32
Drove marked Red cedar
stake 2x2x24 in in
SE pit
South 30 chs. rolling
Soil 2nd rate
Balance Undulating
Soil 1st rate

T 31 N R 45 W.

East on random line
between secs 29 & 32
Var 15° 12' E.

40.00 Set temporary 1/4 sec cor
79.58 Intersect N-S line 18 Chs
South of corner to secs 28
29, 32 and 33 from which
corner I run
S 89° 52' West on true line
between secs 29 & 32
Var 15° 12' E

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

79.58 The corner to secs. 29
30, 31 and 32
Undulating Clay and
Sandy Soil 1st rate

T. 31 N R 45 W

West on random line
between secs. 30 & 31
Va 15° 12' E
40.00 Set temporary 1/4 sec cor.
77.84 Intersect West boundary
38 lks North of corner to
secs. 30 & 31 from which
corner I run
N 89° 44' East on true line
between secs. 30 & 31
Va 15° 12' E.
37.84 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18
x 24 x 12 in deep for
1/4 sec cor
77.84 The corner to secs. 29
30. 31 and 32
Gently rolling
Clay & sandy loam
Soil firstrate

T. 31 N R 45 W

North between secs. 29 & 30
Va 15° 05' E
26.50 Drain course East
40.00 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in deep
for 1/4 sec cor
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, 20
29 and 30
Drove marked Red Cedar
stake 2 x 2 x 24 in. in
SE pit
Undulating Clay and
Sandy loam Soil
firstrate
Small lake in
section 29

T 31 N R 45 W

East on random line
between secs 20 & 29
Va 15°15' E.

4000 Set temporary 114 sec. cor.
79.58 Intersect N & S line 10 lks
South of corner to secs. 20
21, 28 and 29 from which
corner I run
S 89°56' West on true line
between secs 20 & 29
Va 15°15' E

39.79 Deposit chained stake
raised mound of earth
2½ ft. high from pits 18
+ 24 + 12 in deep for
114 sec. cor.
79.58 The corner to secs. 19,
20, 29 and 30
Undulating Clay
and sandy loam
Soil firstrate

T 31 N R 45 W

West on random line
between secs. 19 & 30
Va 15°15' E.

4000 Set temporary 114 sec cor.
78.34 Intersect west boundary
30 lks North of corner to
secs. 19 & 30 from which
corner I run
N 89°47' East on true line
between secs. 19 & 30
Va 15°15' E.

38.34 Deposit chained stake
raised mound of earth
2½ ft. high from pits
18 + 24 + 12 in deep for
114 sec cor.
78.34 The corner to secs. 19
20, 29 and 30
Undulating surface
Clay and sandy loam
Soil firstrate

T 31 N R 45 W

North between secs 19 & 20
Va 15° 15' E

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

55.75 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 17, 18
19 and 20
Drove marked Red Cedar
stake 2+2+24 in, in
SE pit
Undulating, Clay and
Sandy loam
Soil first rate

T 31 N R 45 W

East on random line
between secs. 17 & 20
Va 15° 20' E.

4000 Set temporary 1/4 sec cor

79.80 Intersect N & S. line 30
lks South of corner to secs
16, 17, 20 & 21 from which
corner I run
S 89° 47' West on true line
between secs. 17 & 20
Va 15° 20' E.

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

79.80 The corner to secs
17, 18, 19 and 20
Surface rolling
Clay and sandy loam
Soil first rate

T 31 N R 4 5 W

West on random line
between secs. 18 & 19
Va 15° 20' E,
40.00 Set temporary 1/4 sec cor
64.75 Drain course SE
78.46 Intersect West boundary
40 lks South of corner to
secs. 18 & 19 from which
Corner B bears
S 89° 43' East true line
between secs 18 & 19
Va 15° 20' E,
38.46 Deposit Chan and stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 42 in deep for
1/4 sec cor
78.46 The corner to secs. 17
18, 19 and 20
Gently rolling
Clay and sandy soil
good second rate

T. 31 N R 4 5 W

North between Secs 17 & 18
Va 15° 15' E
40.00 Deposit Chan and stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 42 in deep for
1/4 sec cor
80.00 Deposit Chan and stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 42 in deep for
corner to secs. 7, 8
17 and 18
Drove marked Red Cedar
stake 2 x 2 x 24 in. in
SE pit
Rolling Clay and
Sandy soil, good
second rate

T31N R45W

East on random line
between Secs 8 & 17
Va 15° 20' E

4000 Set temporary 1/4 sec cor
7984 Intersect N&S line 28
Lks South of corner to Secs
8, 9, 16 and 17 from which
corner S 89°
S 89° 48' West on true line
between secs 8 & 17
Va 15° 20' E
3992 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
8 + 24 + 12 in. deep for
1/4 sec cor
7984 The corner to Secs. 7
8, 17 and 18
Rolling Clay and
Sandy loam
Soil good Second Rate

T31N R45W

West on random line
between Secs. 7 & 18
Va 15° 20' E.

4000 Set temporary 1/4 sec cor
7820 Intersect West boundary 40
Lks South of corner to Secs
7 & 18 from which corner
S
S 89° 43' East on true line
between secs 7 & 18
Va 15° 20' E.
3820 Deposit chained stake
raised mound of earth
2 1/2 ft. high from pits
18 + 24 + 12 in. deep for
1/4 sec cor
7820 The corner to Secs. 7,
8, 17 and 18
Rolling Clay & sandy
loam, Soil good
Second Rate

T 31 N R 14 W.

North between Secs 7 & 8
Va 15° 20' E.

4000 Deposit chained stake
raised mound of earth
2½ ft high 3 pits
8 x 7 x 12 in deep
for 1/4 sec cor

6475 Drain course East

8000 Deposit chained stake
raised mound of earth
2½ ft. high. 3 pits 18 x
2½ x 12 in deep for Corner
to Secs. 5, 6, 7 and 8
Drove marked Red cedar
stake 2 x 2 x 24 in. in S. Pit
Rolling Clay and
Sandy Loam
Good second rate

T 31 N R 14 W

East on random line
between Secs. 5 & 8
Va 15° 15' E.

4000 Set temporary 1/4 sec cor

7500 Drain course South

8030 Intersect N & S line 28.16 chs
South of corner to Secs. 4,
5, 8 and 9 from which
Corner bears
S 89° 48' West on true line
between secs. 5 & 8
Va 15° 15' E.

4015 Deposit chained stake
raised mound of earth
2½ ft high 3 pits 18
x 2½ x 12 in deep for
1/4 sec cor

8030 The corner to Secs. 5
6, 7 and 8

October 28th 1878

T 31 N R 45 W

West on random line
between secs. 6 & 7
Va 15°20' E.

19.00 Drain course South
4000 Set temporary 114 sec cor
77.96 Intersect West boundary
22 lks. South of corner to secs
6 and 7 from which corner
I run
S 89°51' East on true line
between secs. 6 & 7
Va 15°20' E.

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

77.96 The corner to secs. 5,
6, 7 and 8
Rolling clay and
Sandy loam
Soil, good second rate

T 31 N R 45 W

North on random line
between secs. 5 & 6
Va 15°05' E.

4000 Set temporary 114 sec cor
80.30 Intersect North boundary
30 lks West of corner to
secs. 5 and 6 from which
corner I run
South 13' W. on true line
between secs. 5 & 6
Va 15°05' E.

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

80.30 The corner to secs. 5, 6, 7
and 8
Rolling, Clay and Sandy
loam, Soil 2nd rate
October 29th 1878

T 31 N R 45 W

General Description

This is a good Township The surface generally is gently rolling with smooth even slopes to drains The soil is a mixture of clay and dark sandy loam of good depth and quality. There is no living water except small lake in section 29 There is a ridge of hills in sections 14 15, 22 & 23 covered with a good quality of sandstone for building purposes. The township is well adapted

to farming and the growth of small grains.

T. 31 N R 45 W

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 Township 31 North of the Base line of Range No 45 West of the 6th Principal Meridian in Nebraska. Showing the respective capacities in which they acted.

W. S. Orr	Chainman
J. S. Davenport	Chainman
R. R. Owen	Cornerman
E. J. Seeley	Cornerman
S. F. Kenney	Flagman

We hereby certify that
We assisted Charles R. Stark-
weather in Surveying and Sub-
dividing Township No 31 North
of the Base Line, of Range 45
west of the 6th Principal Merid-
ian in Nebraska and that said
Township has been in all respects
to the best of our knowledge and
belief, well and faithfully sur-
veyed and the boundary Monuments
planted according to the instruct-
ions furnished by the Surveyor
General, of dimensions, character
construction and marking and in
the manner as specifically descri-
bed in the foregoing field Notes

W. S. Orr Chainman
J. S. Davenport Chainman
R. R. Crow Cornerman
E. J. Seeb Cornerman
J. T. Kenny Flagman

Signed in my presence and
sworn to before me this 16th
day of Dec 1878

A. G. Kendall
Clerk Dist Court
Howard Co Nebr

I, Charles R. Starkweather 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 Clark, United States 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 with the Instructions, furnished by the Surveyor General, the Surveying Manual, and the laws of the United States, surveyed the subdivisional lines of Township No. 31 North of the Base Line & Range No. 45 West of the 6th Principal Meridian in Nebraska, that 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 Surveys 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 ~~plat~~ are the true and original field Notes of such Surveys

Charles R. Starkweather

Signed in my presence and Sworn before me this 12th day of March 1879

A. Kendall
Clerk Dist Court

Surveyor Generals Office
Plattsmouth Neb May 23rd 1879

The foregoing Field Notes of the Survey of the Subdivision Lines of Township No 31 North of the Base Line of Range No 45 West of the 6th Principal Meridian in the State of Nebraska Executed by Charles R Hardweather Deputy Surveyor under your Contract No 109 dated July 31st 1878 in the Month of October 1878; having been Critically Examined; the necessary Corrections and Explanations made; the said Field Notes and the Surveys they describe are hereby Approved;

Geo. S. Smyth
Surveyor General

Field Notes
of
T. 32 N.
R. 45 W.

Surveyed by
Chas R. Harkinrather
Under Contract No. 109
1878

T. 32 N. — R. 45 W.

6	63	5	47	4	36	3	25	2	14	1
62		61		46		35		24		18
7	60	8	45	9	34	10	23	11	12	12
59		58		44		33		22		11
18	57	17	43	16	32	15	21	14	10	13
56		55		42		31		20		9
19	54	20	41	21	30	22	19	23	8	24
53		52		40		29		18		7
30	51	29	39	28	28	27	17	26	6	25
51		49		38		27		16		5
31	48	32	37	33	26	34	15	35	4	36

(A.)

Field Notes

of the

Subdivisional lines of Township No. 32 North of the Base Line & Range No. 45 West of the 6th Principal Meridian Nebraska Surveyed by Chas. R. Starkweather Deputy Surveyor, under joint Contract No. 109 wherein Nicholas J. Paul, Robert Harvey and Charles R. Starkweather are joint Contractors with John R. Clark United States Surveyor General for the District of Nebraska and Iowa

Survey Commenced October 30th 1878

Survey Completed November 3rd 1878

(B.)

Names and duties of Assistants

W. S. Orr, Chainman
J. S. Davenport, Chainman
E. J. Seley, Cornerman
P. R. Crow, Cornerman
D. F. Kenney, Flagman

T. 37 N. R. 15 W

To determine the proper adjustment of my Compass for subdividing this Township I begin at the corner to Townships 31 and 32 North Ranges 14 and 15 W. and run North on a blank line along the East boundary of section 36

~~3998~~ Va 15° E.

3998 To a point 5 lks East of the 1/4 sec corner

7996 To a point 11 lks East of the corner to secs. 25 & 36

To retrace this line or run parallel thereto my Compass must be adjusted to a variation of 18° 05' E.

Subdivision commenced October 30th 1878

Subdivision completed November 3rd 1878

T. 32 N R 45 W.

From the corner to sections 1, 2, 35 & 36 on the South boundary of the Township
I run
North between secs 35 & 36
Va 15° 05' E.

9.15 Drain course East
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 in deep for 1/4 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 & 12 in deep for corner to secs. 25, 26, 35 and 36
Drove marked Red Cedar Stake 2 x 2 x 24 in. in 8 & pit
Surface gently rolling
Clay and sandy loam
Soil ~~secon~~ firstrate

T. 32 N R 45 W.

East on random line between secs. 25 & 36
Va 15° 15' E.

4.15 Drain course S E.
4000 Set temporary 1/4 sec. cor.
79.80 Intersect East boundary at corner to secs 25 & 36 from which corner I run
West on true line between secs 25 & 36
Va 15° 15' E
3990 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 & 24 & 12 in deep for 1/4 sec cor
7980 The corner to secs. 25 26. 35 and 36
Surface gently rolling
Clay and sandy loam
Soil firstrate

T 32 N R 40 W

North between Secs. 25 & 26
Va 15° 10' E

4000 Drive course DE

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

8000 Deposit chained stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for corner to secs. 23, 24, 25 and 26 Drive marked Red Cedar stake 2 x 2 x 24 in. in S E pit Gently rolling Clay and sandy loam Soil first rate

T 32 N R 40 W

East on random line between secs 24 & 25
Va 15° 15' E.

1070 Drive course DE.

4000 Set temporary 1/4 Sec cor

8004 Intersect East boundary 20 lks South of corner to secs 24 & 25 from which corner I run S 89° 51' West on true line between secs 24 & 25 Va 15° 15' E.

4002 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 Sec cor

8004 The corner to secs 23, 24, 25 and 26 Gently rolling Clay and sandy loam Soil first rate

T 32 N R 45 W

North between secs 23 & 24
Va 15°15' E.

2070 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. 13 & 14
23 and 24
Drove marked Red Cedar stake
2 & 2 & 24 in in S Pit
Land gently rolling
Clay and sandy loam
Soil fistrate

T. 32 N R 45 W

East on random line
between secs. 13 & 24
Va 15°20' E.

20.50 Drain course S E.

4000 Set temporary 114 sec cor

8030 Intersect East boundary 34
lks South of corner to secs
13 and 24 from which
corner I run
S 89°45' West on true line
between secs. 13 & 24
Va 15°20' E.

4015 Deposit charred stake
raised mound of earth
2½ ft high from pits 18
& 24 & 12 in deep for 114
sec cor

80.30 The corner to secs. 13
14, 23 and 24
Gently rolling
Clay and sandy loam
Soil fistrate

T 32 N R 45 W

North between secs. 13 & 14
Va 15° 10' E.

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

5000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
x 24 x 12 in deep for
corner to secs. 11, 12, 13
and 14
Drove marked Red cedar stake
2 x 2 x 24 in. in Dep pit
Rolling surface
Clay loam
Soil first rate
October 30th 1878

T 37 N R 45 W

East on random line
between secs. 12 & 13
Va 15° 15' E.

4000 Set temporary 1/4 sec. cor.
80.16 Intersect East boundary
40 lks. South of corner to
secs. 12 and 13 from which
corner I run
S 89° 45' West on true line
between secs. 12 & 13
Va 15° 15' E.

4008 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for
1/4 sec cor

80.16 The corner to secs. 11,
12, 13 and 14
Surface rolling
Clay and sandy loam
Soil first rate

T 32 N R 4 W

North between secs 11 & 12
Va 15° 10' E.

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

4600 Drain or head of creek course NW

5500 Creek valley in holes course NE

8000 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for corner to secs 1, 2, 11 & 12 Drove marked Red Cedar stake 2 x 2 x 24 in in S Edge Surface rolling and cut by creek & short draws Soil, Clay, second rate

T 32 N R 4 W

East on random line between secs 1 & 12
Va 15° 15' E.

100 Creek course North, water in holes

800 Drain course NW.

4000 Set temporary 1/4 sec cor

7996 Intersect East boundary 36 lks South of corner to secs 1 & 12 from which corner I run S 89° 45' West on true line between secs. 1 and 12 Va — 15° 15' E.

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

7996 The corner to secs 1, 2 11 and 12

Surface rolling Clay land Soil second rate

T 32 N R 45 W

North on true line between sees 1 and 2
Va 15°12' E.

20.25 Creek course NW. water in holes
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 114 sec Corner
62.48 Intersect 8th Standard Parallel 2.30 chs. East of Standard corner to sees 36 & 31, being the ~~Standard~~ corner to townships 33 N Ranges 44 & 45 W. where ~~and~~
Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in deep for Closing corner to sees 1 and 2
Drove marked Red Cedar stake 2 x 2 x 24 in. in East pit
Rolling & cut by creek and short draws
Soil Clay second rate

T 32 N R 45 W

North between sees. 34 & 35
Va 15°05' E.

2450 Drain course SE
4000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for 114 sec cor
8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for corner to sees. 26, 27 34 and 35
Drove marked Red Cedar stake 2 x 2 x 24 in. in E pit
Gently rolling
Clay & sandy loam
Soil first rate

T 32 N R 45 W

East on random line
between secs. 26 & 35
Va 15° 15' E.

4000 Set temporary 1/4 sec cor
7990 Intersect No S line 16 lks
South of corner to secs. 25
26, 35 and 36 from which
corner I run
S 89° 53' West on true line
between secs. 26 & 35
Va 15° 15' E.

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

7998 The corner to secs
26, 27, 34 and 35
Gently rolling
Clay & sandy loam
Soil first rate

T 32 N R 45 W

North between secs 26 & 27
Va 15° 10' E.

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

61.70 Drain course S E

8000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
x 24 x 12 in deep for
corner to secs. 22, 23
26 and 27
Drove marked Red Cedar stake
2 x 2 x 24 in in S E pit
Gently rolling
Clay & sandy loam
Soil first rate

T 32 N R 45 W

East on random line
between secs 23 & 26
Va 15° 20' E,

1500 Drive course SE
4000 Set temporary 1/4 sec cor
8004 Intersect N&S line 1/4 Ks
North of corner to secs 23
24, 25 and 26 from which
corner a pine
N 89° 54' W set on true line
between secs. 23 & 26
Va 15° 20' E,
4002 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in. deep for
1/4 sec cor.
8004 The corner to secs. 22
23, 26 and 27,
Gently rolling
Clay and sandy
loam first rate

T 32 N R 45 W

North between secs 22 & 23
Va 15° 10' E,

35.75 Drive course SE
4000 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in deep
for 1/4 sec cor
8000 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in deep for
corner to secs. 14, 15
22 and 23
Drove marked Red Cedar
stake 2 x 2 x 24 in in pit
Gently rolling
Clay and sandy loam
Soil first rate

T 32 N R 45 W

East on random line
between secs 14 & 23
Va 15° 20' E.

4000 Set temporary 1/4 sec cor
8014 Intersect N & S line 14 lks
North of corner to secs. 13
14, 23 and 24 from which
corner I run
N 89° 54' West on true line
between secs. 14 & 23
Va 15° 20' E.

4007 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in deep for
1/4 sec cor

8014 The corner to secs. 14, 15
22 & 23
Land gently rolling
Clay and sandy loam
Soil first rate

T. 32 N R 45 W

North between secs. 14 & 15
Va 15° 10' E.

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

8000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18
x 24 x 12 in. deep for
Corner to secs. 10, 11, 14
and 15
Drove marked Red Cedar
stake 2 x 2 x 24 in in 8 E pit
Land rolling
Clay and sandy loam
Soil second rate

T 32 N R 45 W

East on random line
between secs 11 & 14
Va 15° 20' E,

11000 Set temporary 1/4 sec cor
80,34 Intersect N & S line 70 lks
North of corner to secs
11, 12, 13 and 14 from which
Corner B bears
N 89° 57' W on true line
between secs. 11 & 14
Va 15° 20' E,

11017 Deposit chained stake,
raised mound of earth
2 1/2 ft high from pits 18
+ 24 + 12 in deep for
1/4 sec cor

80,34 The corner to secs
10, 11, 14 and 15
Gently rolling
Clay and sandy
loam first rate

T. 32 N R 45 W

North between secs 10 & 11
Va 15° 05' E,

11000 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in deep for
1/4 sec cor.

68,85 Drain course N E

8000 Deposit chained stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in deep for
Corner to secs. 2, 3
10 and 11
Drove marked Red Cedar
stake 2 + 2 + 24 in. in
S. E. pit
S. 68 lks gently rolling
Clay and sandy loam
Soil first rate
Balance Clay and
Sandy loam. broken
by ravines 2nd rate

T 32 N R 45 W

East on random line
between secs. 2 & 11
Va 15°15' E.

1.50 Ravine course N E
31.00 Ravine course N E
40.00 Set temporary 1/4 sec cor
80.14 Intersect N & S. line 24 lks
North of corner to secs. 1, 2
11 and 12 from which
corner I run
N 89°50' West on true line
between secs 2 & 11
Va 15°15' E.
40.07 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18 x
24 x 12 in deep for 1/4
sec cor
80.14 The corner to secs. 2, 3
10 and 11
Rolling. Clay loam
Good secondrate

T 32 N R 45 W

North on true line between secs. 2 & 3
Va 15°05' E.
40.00 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
x 24 x 12 in deep for
1/4 sec cor.
48.50 Ravine course N. E.
62.98 Intersect 8th Standard
Parallel 2.14 chs East of
Standard corner to secs
35 and 36 T 33 N R 45 W and
Deposit charred stake raised
mound of earth 2 1/2 ft. high
from pits 18 x 24 x 12 in. deep
for Closing corner to secs
2 and 3
Drove marked Red Cedar stake
2 x 2 x 24 in in East pit
Surface rolling
Clay soil. Secondrate
October 31st 1878

T 32 N R 45 W

North between Secs. 33 & 34
Va 15° 10' 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

59.75 Drain course SE

8000 Deposit charred stake raised mound of earth 2½ ft. high from pits 18 x 24 x 12 in. deep for Corner to secs. 27, 28, 33 & 34
Drove marked Red Cedar stake 2 x 2 x 24 in in
S E pit
Gently rolling, Clay and sandy loam
Soil Fistrate

T 32 N R 45 W

East on random line between secs. 27 & 34
Va 15° 15' E

3000 Drain course SE

4000 Set temporary 1/4 sec cor

80.04 Intersect N & S line 18 Lks South of the corner to secs 26, 27, 33 & 34 from which corner I run
S 89° 52' West on true line between secs 27 & 34
Va 15° 15' E.

4002 Deposit charred stake raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8004 The corner to secs 27, 28 33 and 34
Gently rolling
Clay & sandy loam
Soil Fistrate

T 32 N R 45 W

North between secs 27 & 28
Va 15° 10' E.

39.75 Drain course East

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

8000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
x 24 x 12 in deep for
corner to secs. 21. 22
27 and 28
Brass marked Red Cedar
stake 2 x 2 x 24 in in pit
Gently rolling. Clay
and Sandy loam
Soil first rate

T 32 N R 45 W

East on random line
between secs. 22 & 27
Va 15° 20' E.

4000 Set temporary 1/4 sec cor

4600 Drain course SE

7996 Intersect N & S line 6 Chs
North of corner to secs. 22
23, 26 and 27 from which
corner d pine
N 89° 57' West on true line
between secs. 22 & 27
Va 15° 20' E.

3998 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 x 24 x 12 in. deep for
1/4 sec cor

7996 The corner to secs 21
22. 27 and 28
Gently rolling
Clay and sandy loam
Soil first rate

T 32 N R 45 W

North between secs. 21 & 22
Va 15° 10' E.

3975 Drive course SE
4000 Deposit chained stake
raised mound of earth 2½
ft. high from pits 18 + 24 + 12
in. deep for 1/4 sec cor
8000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in. deep for
corner to secs. 15. 16,
21 and 22
Drove marked Red Cedar
stake 2 x 2 x 24 in in Dep pit
Gently rolling
Clay & sandy loam
Soil first rate

T 32 N R 45 W

East pr random line
between secs. 15 & 22
Va 15° 15' E.

4000 Set temporary 1/4 sec cor
5325 Drive course SE
7960 Intersect N & S line at
corner to secs. 14, 15, 22 and
23 from which corner I run
West on true line
between secs 15 & 22
Va 15° 15' E.
39,80 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for
1/4 sec cor
7960 The corner to secs. 15,
16, 21 and 22
Gently rolling
Clay & sandy loam
Soil first rate

T 32 N R 45 W

North between secs 15 & 16
Va 15°12' E.

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

8000 Deposit charred stake
raised mound of earth
2½ ft. high from pits 18
x 24 x 12 in deep for
corner to secs. 9, 10, 15
and 16
Drove marked Red Cedar
stake 2 x 2 x 24 in in O Epit
Surface gently rolling
Clay and sandy loam
Soil Firstrate

T 32 N R 45 W

East on random line
between secs. 10 & 15
Va 15°15' E.

4000 Set temporary 1/4 sec cor
79.88 Intersect N & S line 22 lks
South of corner to secs
10, 11, 14 and 15 from which
corner I run
S 89°51' West on true line
between secs. 10 & 15
Va 15°15' E.

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

79.88 The corner to secs 9,
10, 15 and 16
Gently rolling
Clay & sandy loam
Soil firstrate

T 32 N R 45 W

North between secs 9 & 10
Va 15° 12' E.

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

6050 Ravine course NW

8000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
x 12 x 12 in deep for
corner to secs 3, 4, 9
and 10
Drove marked Red Cedar
Stake 2 x 2 x 24 in & pit
Rolling clay & sandy
loam soil 1st rate

T 32 N R 45 W

East on random line
between secs 3 & 10
Va 15° 15' E.

4000 Set temporary 1/4 sec cor
8004 Intersect N & S line 28 lks
South of corner to secs 2, 3
10 and 11 from which
corner B pine
S 89° 48' West on true line
between secs 3 & 10
Va 15° 15' E.

4002 Deposit chained stake
raised mound of earth
2½ ft high from pits
18 x 12 x 12 in deep
for 1/4 sec cor

8004 Five corners to secs 3
4, 9 and 10
Rolling, clay and
sandy soil
Good 2nd rate

T. 32 N R 45 W

North on true line between secs 3 & 4
Va 15° 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

63.74 Intersect 8th Standard Parallel 2.00 chs East of Standard Corner to secs. 34 and 35 T. 33 R 45
Deposit charred stake raised mound of earth 2½ ft. high from pits 18 + 24 + 12 in deep for Closing Corner to secs. 3 & 4
Drove marked Red Cedar stake 2 × 2 × 24 in in Pit
Rolling Clay land
Good Second rate
November 1st 1878

T. 32 N R 45 W

North between secs. 32 & 33
Va 15° 10' E.

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

54.50 Drain course S E

8000 Deposit charred stake raised mound of earth 2½ ft high from pits 18 + 24 + 12 in. deep for Corner to secs 28, 29, 32 & 33
Drove marked Red Cedar stake 2 × 2 × 24 in. in Pit
Gently rolling
Clay and sandy loam
Soil Pistrate

T 32 N R 14 E W

East on random line
between secs. 28 & 33
Va 15° 15' E.

23.50 Drive course S W
4000 Set temporary 1/4 sec cor
8024 Intersect N & line 30 lks
North & corner to secs 27
28, 33 and 34 from which
corner I run
N 89 1/4 W West on true line
between secs. 28 & 33
Va 15° 15' E.
4017 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
+ 24 + 12 in deep for
1/4 sec corner
8024 The corner to secs. 28
29, 32 and 33
Gently rolling
Clay & sandy loam
Soil pinetrate

T 32 N R 14 E W

North between secs 28 & 29
Va 15° 05' E.

1700 Drive course East
4600 Drive course S E
4000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in deep for
1/4 sec cor.
8000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits
18 + 24 + 12 in deep for
corner to secs. 20 21
28 and 29
Brow marked Red Cedar stake
2 x 2 x 24 in. in S. Pit
Gently rolling
Clay & sandy soil
pinetrate

T 32 N R 45 W

East on random line
between secs. 21 & 28
Va 15° 15' E.

3920 Drain course SE
4000 Set temporary 1/4 sec cor
8020 Intersect N & S line 12
chs North of corner to secs
21, 22, 27 & 28 from which
corner 3 pine
N 89° 55' West on true line
between secs. 21 & 28
Va 15° 15' E
4010 Deposit charred stake,
raised mound of earth
2 1/2 ft high from pits
18 x 24 x 12 in deep for
1/4 sec cor
8020 The corner to secs
20, 21, 28 and 29
Gently rolling, Clay
& sandy loam
Soil fine sand

T. 32 N R. 45 W

North between secs. 20 & 21
Va 15° E

40,00 Deposit charred stake
raised mound of earth
2 1/2 ft. high & round pits
18 x 24 x 12 in deep for
1/4 sec cor.
65.00 Drain course SE
8000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits
18 x 24 x 12 in deep for
corner to secs. 16, 17
20 & 21
Drove marked Red Cedar
stake 2 x 2 x 24 in in pit
Gently rolling
Clay & sandy loam
Soil fine sand

T 32 N R 45 W

East on random line
between secs. 16 & 21
Va 15° 15' E,
500 Drain course SE
4000 Set temporary 1/4 sec cor
8000 Intersect N & S line 32
Chs North of corner to secs 15
16, 21 and 22 from which
corner I run
N 89° 46' West on true line
between secs. 16 & 21
Va 15° 15' E
40,00 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
+ 24 x 12 in deep for
1/4 sec cor
8000 The corner to secs. 16,
17, 20, and 21
Gently rolling
Clay and sand loam
Soil fir strata

T 32 N R 45 W

North between secs. 16 & 17
Va 15° 05' E
1.50 Drain course SE
4000 Deposit charred stake
raised mound of earth
2 1/2 ft. high from pits 18 +
24 x 12 in. deep for 1/4
sec cor
8000 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
+ 24 x 12 in deep for
corner to secs. 8, 9, 16 & 17
Drove marked Red Cedar
stake 2 x 2 x 24 in in SE pit
Gently rolling, Clay
and sandy loam

T 32 N R 45 W

East on random line
between secs. 9 & 16
Va 15° 10' E.

4000 Set temporary 114 sec cor
7980 Intersect N & S line
24 lks North of corner to
secs. 9, 10, 15 and 16 from
which corner I run
N 89° 50' West on true line
between secs. 9 & 16
Va 15° 10' E.

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

79.80 The corner to secs
8, 9, 16 and 17
Gently rolling
Clay & sandy loam
Soil fistrate

T 32 N R 45 W

North between secs 8 & 9
Va 15° 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
~~[illegible]~~ corner to secs. 4, 5
8 and 9
Drove marked Red Cedar
stake 2 × 2 × 24 in. in
S E pit
Gently rolling
Clay & sandy
loam, soil, fistrate

T. 32 N R 45 W

East on random line
between secs 4 & 9
Va 15° 20' E.

13,50 Ravine course NW
40,00 Set temporary 1/4 sec cor
65,00 Ravine course NW
80,10 Intersect N & line 34
chs North between secs
9 corner to secs 8, 4, 9 & 10
from which corner a pine
N 89° 45' West on true line
between secs. 4 & 9
Va 15° 20' E.
40,05 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
+24+12 in deep for
1/4 sec cor
80,10 Fire corners to secs 4, 5, 8 & 9
Rolling & cut by
ravines. Soil
Clay loam, good
Second rate

T. 32 N R 45 W

North, (on true line) between secs 4 & 5
Va 15° 05' 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
58,75 Ravine course NE
64,80 Intersect 8th Standard
Parallel North, 1,80 chs
East of Standard corner
to secs. 33 & 34 T. 33 N R 45 W
Deposit chained stake
raised mound of earth
2½ ft. high from pits
18+24+12 in deep for
Closing corner to
secs 4 and 5
Drove marked Red Cedar
Stake 2+2+24 in. in E. pit
Rolling & broken by
ravines. Soil good
Second rate
November 2nd 1878

T 32 N R 45 W

North between secs. 31 & 32
Va 15° 05' E

25.00 Drain course SW

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

80.00 Deposit charred stake raised mound of Earth 2½ ft. high from pits 18 & 24 & 12 in deep for corner to secs. 29, 30, 31 and 32
Drove marked Red Cedar stake in S Epit
Rolling, Clay
Soil good secondrate

T 32 N R 45 W

East on random line between secs. 29 & 32
Va 15° 15' E.

30.00 Drain course SE

40.00 Set temporary 1/4 sec cor

79.80 Intersect N & S line 12 lks South of corner to secs. 28, 29 32 and 33 from which corner I run
S 89° 55' West on true line between secs. 29 & 32
Va 15° 15' E.

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

79.80 The corner to secs. 29, 30 31 and 32
Rolling Clay, Soil
Good secondrate

T37N R 4 5W

West on random line between Secs. 30 & 31
Va 15° 15' E.

40.00 Set temporary 1/4 sec cor.
72.50 Drain course S E
78.08 Intersect West boundary at corner to Secs 30 & 31 from which corner I run East on true line between Sections 30 & 31
Va 15° 15' E.
38.08 Deposit chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for 1/4 Sec cor
78.08 The corner to Secs 29 30, 31 and 32
Rolling, Clay soil
Good second rate

T37N R 4 5W

North between Secs. 29 & 30
Va 15° 15' E.

40.00 Deposit chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for 1/4 Sec cor
72.00 Drain course S E.
80.00 Deposit chained stake raised mound of earth 2 1/2 ft high from pits 18 + 24 + 12 in deep for corner to Secs. 19, 20, 29 & 30
Drove marked Red Cedar stake 2 x 2 x 24 in in Pit
Rolling Surface
Clay & Sandy loam
Soil Fair Grade

T 32 N R 45 W

East on random line
between secs. 20 & 29
Va 15°15' E

4000 Set temporary 1/4 sec cor.
5000 Drain course OE
79.96 Intersect N & S line 20 lks
South of corner to secs 20, 21
28 & 29 from which
Corner I run
S 89°51' West on true line
between secs. 20 & 29
Va 15°15' E.
39.98 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18
& 24 & 12 in deep for 1/4
sec cor.
79.96 The corner to secs. 19, 20
29 & 30
Rolling, Clay & sandy
soil pistrate

T 32 N R 45 W

West on random line
between secs. 19 & 30
Va 15°15' E.
13.50 Drain course OE
4000 Set temporary 1/4 sec cor.
7700 Drain course SE
78.18 Intersect West boundary 22
lks South of corner to secs. 19
& 30 from which corner I run
S 89°51' East on true line
between secs. 19 & 30
Va 15°15' E.
38.18 Deposit charred stake
raised mound of earth
2 1/2 ft high from pits 18 &
24 & 12 in deep for 1/4 sec cor
78.18 The corner to secs. 19, 20
29 and 30
Rolling, Clay soil
good second rate

T 32 N R 45 W

North between secs 19 & 20
Va 15° 15' E,

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

4620 Drain course S E

8000 Deposit Chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for corner to secs. 17, 18, 19 and 20

Drove marked Red Cedar stake 2 x 2 x 24 in. in S E pit
Rolling Clay loam
Soil Jristrate

T 32 N R 45 W

East on random line between secs. 17 & 20
Va 15° 15' E,

7000 Drain course S E

4000 Set temporary 1/4 sec cor

8020 Intersect W & E line 32 Lks South of corner to secs. 16 & 17 & 20 & 21 from which corner I run

S 89° 46' West on true line between secs. 17 & 20
Va 15° 15' E,

4010 Deposit Chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in. deep for 1/4 sec cor

8020 The corner to secs. 17, 18, 19 and 20
Rolling Clay loam
Soil Jristrate

T 32 N R 45 W

West on random line
between Secs. 18 & 19
Va 15° 15' E.

+4000 Set temporary 1/4 sec cor.
77.94 Intersect West boundary 18
chs. South of corner to Secs
18 & 19 from which corner
a tree
S 89° 52' East on random line
between Secs. 18 & 19
Va 15° 15' E.
37.94 Deposit chained stake
raised mound of earth 2½
ft high from pits 18 + 24 +
12 in. deep for 1/4 sec cor
77.94 The corner to Secs. 17,
18, 19 and 20
Rolling Clay loam
Soil Siliceous

T 32 N R 45 W.

North between Secs. 17 & 18
Va 15° 05' E.

1800 Drain course DC
4000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18 +
24 + 12 in. deep for 1/4 sec
corner
8000 Deposit chained stake
raised mound of earth
2½ ft high from pits 18
+ 24 + 12 in. deep for
corner to Secs. 7, 8, 17 & 18
Drove marked Red Cedar
stake 2 + 2 + 24 in. in Sec pit
High rolling Clay
Soil Secondrate

T 32 N R 45 W

	East on random line between secs 8 & 17 Va 15° 15' E,
40.00	Set temporary 1/4 sec cor
80.00	Intersect N & S line 44 lks South of corner to secs. 8, 9 16 and 17 from which corner bears S 89° 41' West on true line between secs 8 & 17 Va 15° 15' E,
40.00	Deposit chained stake raised mound of earth 2 1/2 ft. high pit 18 x 24 x 12 in deep for 1/4 sec cor
80.00	The corner to secs 7, 8, 17 and 18 Rolling Clay loam Soil Gristrate

T 32 N R 45 W

	West on random line between secs. 7 & 18 Va 15° 15' E,
40.00	Set temporary 1/4 sec cor
77.80	Intersect West boundary 28 lks. South of corner to secs. 7 & 18 from which corner bears S 89° 48' East on true line between secs. 7 & 18 Va 15° 15' E,
37.80	Deposit chained stake raised mound of earth 2 1/2 ft high pit 18 x 24 x 12 in deep for 1/4 sec cor.
17.80	The corner to secs. 7, 8 17 and 18 Rolling, Clay & Sandy Loam Soil Gristrate.

T 32 N R 45 W.

North between Secs 7 & 8
Va 15° 10' E

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

7900 Drive course NW

8000 Deposit chained stake raised mound of earth 2½ ft high from pits 8 x 24 x 12 in deep for corner to Secs. 5, 6, 7 & 8 Drove marked Red Cedar stake 2 x 2 x 24 in in Pit Rolling surface Clay loam Soil Secondrate

T 32 N. R 45 W

East on random line between Secs. 5 & 8
Va 15° 15' E.

4000 Set temporary 1/4 sec cor.

8030 Intersect N & S line 42 lks South of corner to Secs. 4, 5, 8 & 9 from which Corner I am S 89° 42' West on true line between Secs. 5 & 8
Va 15° 15' E

40 45 Deposit chained stake raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

8030 The corners to Secs 5, 6, 7 and 8
Rolling Clay loam
Soil Fine trate

T 32 N R 45 W

West on random line
between secs, 6 & 7
Va 15°15' E.

,50 Drain course NW
40,00 Set temporary 114 sec cor.
77.50 Intersect West boundary
11 lks South of corner to
secs 6 & 7 from which
corners run
S 89°55' East on true line
between secs. 6 & 7
Va 15°15' E.
37.50 Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in deep for 114
sec cor
77.50 The corner to secs
5, 6, 7 and 8
Rolling Clay loam
Soil Firstrate

T 32 N R 45 W

North on true line between Secs. 5 & 6
Va 15°05' E.
4000 Deposit charred stake
raised mound of earth
2½ ft high from pits 18 +
24 + 12 in deep for 114 sec
corner
65.80 Intersect 8th Standard Parallel
200 chs. East of Standard corner
to secs. 32 & 33 T. 33 N R 45 W
Deposit charred stake
raised mound of earth
2½ ft high from pits
18 + 24 + 12 in. deep for
Closing corner to secs
5 and 6.
Drove marked Red Cedar stake
2 × 2 × 24 in in S E pit
Rolling Clay loam
Soil Firstrate
November 3rd 1878

T 32 N R 45 W

General Description

This is a good township of land for Agricultural purposes. The surface is gently rolling, The banks of draws are smooth with gradual slopes except in the extreme North of Township where banks are more precipitous. There is no living water except the small Spring branch in Sec. 1 & 2

The soil is a clay and sandy loam of good depth and quality There are a few scattering pine trees along banks of Ravines in the

Northern part of the township. The Tp produces a good growth of Buffalo, Bunch and Blue joint grass. And is well adapted to the growth of small grains

A 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 Township 32 North of the Base line of Range No 45 West of the 6th Principal Meridian in Nebraska showing the respective capacities in which they acted

W. S. Orr, Chainman
J. S. Davenport, Chainman
R. R. Crow, ~~Chainman~~
E. J. Seeley, Cornerman
S. F. Kenney Flagman

We hereby certify that we assisted Charles R. Starkweather, Deputy Surveyor in Surveying and Subdividing Township No. 32 North of the Base Line of Range No. 45 West of the 6th Principal Meridian in Nebraska, and that said Township 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 of dimensions, Character Construction and Marking and in the manner specifically as set forth in the foregoing fieldnotes

W. S. Orr Chairman
J. S. Davenport Chairman
K. K. Crow Commissioner
E. J. Seely Commissioner
J. H. Heeney Flagman

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

I, Charles R Starkweather 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 Clark, United States 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 with the Instructions furnished by the Surveyor General the Surveying Manual and the laws of the United States, surveyed the subdivisional lines of Township No. 32 North of the Base Line of Range No 45 West of the 6th Principal Meridian in Nebraska that 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 the said Surveys 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 such survey

Charles R. Starkweather

Signed in my presence and sworn to before me this 12th day of March 1879

J. Kendall
Clerk Dist Court

Surveyor Generals Office
Plattsmouth May 23rd 1879

The foregoing Field Notes of the Survey of the Subdivision lines of Township No 32 North of the Base line of Range No 45 West of the 6th Principal Meridian in the State of Nebraska Executed by Charles R Hurdwather Deputy Surveyor under joint Contract No 10 G dated July 31st 1878 in the months of October and November 1878 having been Critically Examined & Necessary Corrections and Explanations made the said Field Notes and the Surveys they describe are hereby approved

Geo. D. Smith
Surveyor General

General Land Office • Original Field Notes

Book Number

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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.