General Land Office • Original Field Notes

Book Number

722

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M. F. Reilly, Deputy

T. 29 N., R. 55 W., 6th P. M.

T. 29-32 N.
R. 55 W.
36
722

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 29 N., Range 55 W., 6th P. M., Meridian.

BY

M. F. Reilly Deputy Surveyor.

Under his Contract of Sept. 22, 1881,

Survey Commenced Mar. 6, 1882

Survey Completed Mar. 11, 1882.

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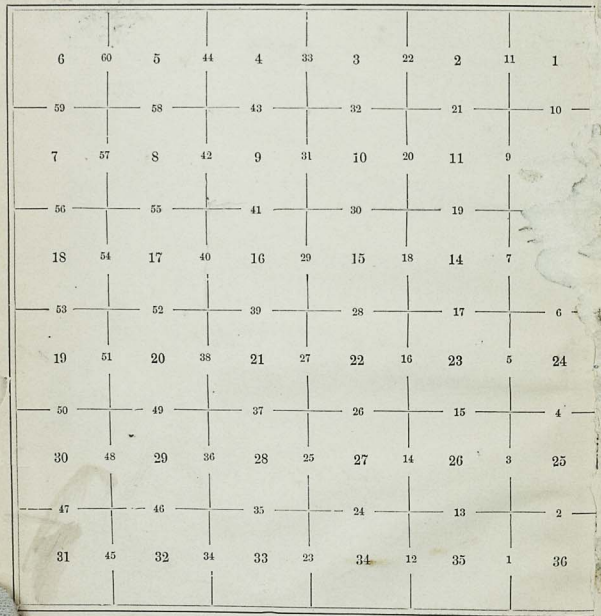
Township..... Range.....

.....Meridi



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

.....Meridian.

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

Meridian.

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

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 N. Y. in 1881.

Township 29 N., Range 55 W., 6th P. Meridian.

See previous page.

A charred stake with Limestone 22×12×8 in mound & pits, with Limestone 4 ft. × 8 × 6 in. in N. pit

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°50' East.
	Ascend,
3.50	Top of Spur, bears E. & W. & descend,
5.60	Cross Ravine, 20 lks. wide, Course S.W. & ascend
16.50	Top of Spur, bears N.80°E. & S.80°W. & descend,
24.00	Cross Ravine, 20 lks. wide, Course W. & ascend,
34.00	Top of Spur, bears N.W. & S.E. & descend,
40.00	Set Sand stone, 12×10×4 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins. E. & W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
67.00	Cross Ravine, 200 lks. wide, Course S.E. & ascend,
80.00	Set Sand stone, 12×8×6 ins., 8 ins. in the ground, for Cor. to Secs. 25-26-35-36, marked with 1 notch on S. & E. edges, dug pits, 18×18×12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate.
	Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15°15' East.
	Ascend,
14.00	Top of Spur, bears N.W. & S.E. & descend,
18.50	Cross Ravine, 30 lks. wide, Course S.40°E. & ascend.
24.00	Top of Spur, bears N.35°W. & S.35°E. & descend,
26.00	Cross Ravine, 200 lks. wide, Course S. & ascend,
34.00	Top of rocky Bluff, bears N. & S. & descend,
40.00	Set temporary 1/4 sec. cor.
46.00	Cross Wash, 30 lks. wide, Course S.30°E. & ascend
53.00	Top of Spur, bears N.W. & S.E. & descend,
60.40	Cross Wash, 18 lks. wide, Course S.28°E. & ascend,
70.00	Top of Spur, bears N.20°W. & S.20°E. & descend
75.40	Cross Ravine, 45 lks. wide, Course S.35°E. & ascend
80.15	Intersect E. B. of Tp., 25 lks. South of cor. to secs. 25-30-31-36, from which cor., Run S.89°49'W., on a true line between sections 25-36, Va. ~~16°09'~~ 15°15' E.,
40.08	Set a Sand stone, 14×10×10 ins. 9 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face, dug pits, 18×18×12 ins., N. & S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.15	The cor. to secs., 25-26-35-36,
	Land mountainous, Soil 3rd rate,
	Vegetation of Bunchgrass.

Township 29 N., Range 33 W., 6th P.M., Meridian.

Chains	North, between Sections 25 and 26 Variation 15° 15' East.
	Ascend,
2.50	Top of Spur, bears N.W. & S.E. Y descend,
4.00	Cross Ravine, 30 lks. wide, course E. Y ascend,
28.50	Top of Spur, bears N.W. & S.E. Y descend,
34.00	Cross Ravine, 30 lks. wide, course S.E. Y ascend,
40.00	On top of Spur, bearing N.W. & S.E., set a Sand Stone, 9 x 8 x 5 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, and descend,
54.00	Cross Ravine, 30 lks. wide, course N. 75 E. and ascend,
60.00	Top of Spur, bears E. & W. Y descend,
79.80	Cross Ravine, 20 lks. wide, course S.E. Y ascend,
80.00	Set a Sand Stone, 11 x 10 x 8 ins., 7 ins. in the ground, for Cor. to Secs. 23-24-25-26, marked with 2 notches on S. & 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 N., Range 33 W., 6th P.M., Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 30' East.
	Ascend,
12.00	Top of Spur, bears N.W. & S.E. Y descend,
22.68	Cross Ravine, 30 lks. wide, course S. 40 E. Y ascend,
34.00	Top of Bluff, bears N. & S. Y descend,
40.00	Set temporary ¼ Sec. Cor.
45.54	Cross Ravine, 30 lks. wide, course S. 19 E. Y ascend,
52.00	Top of Spur, bears N. 40 W. & S. 40 E. Y descend,
61.08	Cross Ravine, 14 lks. wide, course S.E. Y ascend,
74.00	Top of Spur, bears N.W. & S.E. Y descend,
79.83	Intersect E.B. of Tp., 34 lks. North of Cor. to Secs. 19-24-25-30, from which Cor. Bears N. 89° 45' W., on a true line between Sections 24-25. Va. 15° 30' E. Va. 16° E.
39.92	Set a Sand Stone 12 x 10 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits 18 x 18 x 12 ins., N. & S. of Stone, 5½ ft. dist., and raised a mound of earth 1½ ft. high 3½ ft. ba.
79.83	The Cor. to Secs. 23-24-25-26, Land mountainous Soil 3rd rate, Vegetation, Bunchgrass.

Township 29 N., Range 35 W., 6th P. Meridian.

North, between Sections 23 and 24.

Variation 15° 30' East.

Chains	
	Ascend.
23.00	Top of Spur, bears E. & W. and descend,
28.50	Cross Ravine, 30 lks. wide, course S. 18 E., ascend,
34.00	Top of Spur, bears N.W. & S.E. & descend,
40.00	Set a Sand Stone, 12 x 10 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
45.50	Cross Ravine, 20 lks. wide, course S.E., ascend,
52.00	Top of Ridge, bears N.W. & S.E. & descend,
77.00	Cross Ravine, 125 lks. wide, course E., ascend,
80.00	Set a Sand Stone, 12 x 10 x 5 ins., 8 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. 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base.
	Land mountainous.
	Soil 3rd rate.
	Vegetation, Bunchgrass.

Township 29 N., Range 35 W., 6th P. Meridian.

East, on a random line between Sections 13 and 24.

Variation 16° East.

Chains	
	Descend,
13.85	Cross Ravine, 125 lks. wide, course N. 75 E., and ascend,
37.00	Top of Spur, bears N.W. & S.E. & descend,
40.00	Set temporary 1/4 Sec. Cor.,
47.90	Cross Ravine, 20 lks. wide, course N.W., and ascend,
62.00	Top of Spur, bears N. & S. & descend,
80.29	Intersect E. B. of Sp., 21 lks. South of Cor. to Secs. 13-18-19-24, from which Cor., Dum. S. 89° 51' W., on a true line between Sections 13-24, Va. 16° 00' E.,
40.15	Set a Sand Stone, 12 x 12 x 4 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.29	The Cor. to Secs. 13-14-23-24,
	Land mountainous.
	Soil 3rd rate.
	Vegetation, Bunchgrass.

Township 29 N., Range 33 W., 6th P. Meridian.

Chains	North, between Sections 13 and 14. Variation 11° East.
	Ascend,
2.25	Top of Spur, bears E. & W. Vdescend,
7.00	Cross Ravine, 20lks. wide, Course E. Vascend,
20.00	Top of Spur, bears N.W. & S.E. Vdescend,
25.00	Cross Wash, course S. 20 E. Vascend,
35.00	Top of Spur, bears E. & W. Vdescend,
40.00	Set a Sand Stone, 12x10x10ins., 8ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12ins., E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.00	Set a Sand Stone, 14x12x12ins., 9ins. 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, 18x18x12ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 4 ft. high, 4 1/2 ft. base,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township 29 N., Range 33 W., 6th P. Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 15°30' East.
	Descend,
38.50	Cross Wash, 200lks. wide, course S.E. and ascend,
40.00	Set temporary 1/4 Sec. Cor.,
80.16	Intersect E. B. & M. P., 12 lks. North of Cor. to Secs. 7-12-13-18, from which Cor., Ingm. N. 89° 55' W., on a true line between Sections 12-13, Va. ~~11°30'~~ 15°30' E,
40.08	Set a Sand stone, 14x10x7ins., 9ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12ins., N. & S. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.16	The corner to Sections 11-12-13-14, Land mountainous, Soil 3rd rate, Vegetation, Bunchgrass.
	Mar. 6, 1882.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 30' East.
	Descend gradually,
18.50	Cross deep Wash, 25 lks. wide, course East and ascend,
40.00	Set a Sand Stone, 11 x 11 x 4 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
71.00	Top of Ridge, bears N. 85° E. & S. 85° W., and descend,
80.00	Set a Sand Stone 13 x 12 x 8 ins. 9 ins. in the ground, for Cor. to Secs. 1-2-11-12, marked with 5 notches on S. and 1 notch on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high 4 1/2 ft. base,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 15' East.
	Ascend,
9.00	Top of Spur, bears N. W. & S. E. and descend gradually,
40.00	Set temporary 1/4 Sec. Cor.,
54.90	Cross Wash, 15 lks. wide, course S. E. and ascend,
68.00	Top of Spur, bears N. W. & S. E. & descend,
76.40	Cross Ravine, 25 lks. wide, course S. 40° E. and ascend,
79.77	Intersect E. B. of Sp., 30 lks. South of Cor. To Secs. 1-6-7-12 from which Cor. Bears S. 89° 47' W., on a true line between Sections 1-12, Va. 16° E.,
39.89	Set a Sand Stone, 24 x 10 x 10 ins., 18 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 ft. high, 3 1/2 ft. base,
79.77	The Sec. to Secs., 1-2-11-12,
	Land mountainous.
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township

Chains

2.25
7.00
20.00
25.00
35.00
40.00

80.00

Township 29 N., Range 55 W., 6th P. Meridian.

Chains

North, on a random line between Sections 1 and 2.

Variation 15° 15' East.

Descend,

1.78 Cross Ravine, 10 lks. wide, Course N. 85° W., and ascend,

7.00 Top of Spur, bears N. 80° E. & S. 80° W. & descend,

40.00 Set temporary 1/4 sec. cor.,

66.60 Cross Wash, 20 lks. wide, Course S. 60° E. and ascend

79.71 Intersect N. B. of Tp., 20 lks. West of cor. to secs. 1-2-35-36, from which cor., Trim S. 9' W., on a true line between sections 1-2 15° 15' Va. 17° E.

39.71 Set a Sand stone, 10 x 10 x 5 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base,

79.71 The cor. to secs. 1-2-11-12,

Land mountainous,

Soil 3rd rate,

Vegetation, Bunchgrass,

Township 29 N., Range 55 W., 6th P. Meridian.

From cor. to secs. ~~2-3~~ 34-35, a charred Stake & Limestone 16 x 13 x 3 ins. in Mound & pits, Trim

Chains

North, between Sections 34 and 35.

Variation 15° 50' East.

Descend,

14.25 Cross Ravine, 80 lks. wide, Course E. & ascend,

22.00 Top of Spur, bears N. 70° W. & S. 70° E. & descend,

24.00 Cross Ravine, 40 lks. wide, Course East,

40.00 Set Sand stone, 14 x 12 x 8 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base,

41.20 Cross Ravine, 30 lks. wide, Course E. & ascend,

49.00 Top of Ridge, bears N. 70° W. & S. 70° E. & descend,

72.00 Cross Ravine, 30 lks. wide, Course S. 30° E. & ascend,

80.00 Set Sand stone, 12 x 10 x 6 ins., 8 ins. in the ground, for Cor. to Secs. 26-27-34-35, marked with 1 notch on S. and 2 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 3 1/2 ft. base,

Land mountainous,

Soil 3rd rate,

Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P., Meridian.

East, on a random line between Sections 26 and 35.

Variation 16° East.

Chains	
	Descend
21.86	Cross Ravine, course S. 15° E. & ascend,
33.50	Top of Ridge, bears N. & S. & descend,
40.00	Set temporary ¼ sec. cor.
68.14	Cross Ravine, 130 lks. wide, Course S. 30° E. and ascend,
80.09	Intersect N. & S. line, 35 lks. North of cor. to secs. 25-26-35-36, from which corner, I run N. 89° 45' W., on a true line between secs. 26-35. Va, ~~15° 15'~~ 16° E.
40.05	Set a Sand stone, 13 x 9 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. & S. of stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.09	The cor. to secs. 26-27-34-35,
	Land mountainous.
	Soil 3rd rate.
	Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P., Meridian.

North, between Sections 26 and 27.

Variation 16° East.

Chains	
	Descend
10.20	Cross Ravine, 20 lks. wide, Course S. 80° E., and ascend.
15.50	Top of Ridge, bears N. 30° W. & S. 30° E. & descend,
22.00	Cross Ravine, 80 lks. wide, Course S. 70° E.
40.00	Set a Sand stone, 16 x 13 x 10 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. W. and E. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
41.50	Cross Ravine, 30 lks. wide, Course S. 80° E.,
76.30	Cross Ravine 10 lks. wide, Course S. 80° E. & ascend,
80.00	Set a Sand stone, 10 x 10 x 6 ins., 7 ins. in the ground, for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. & 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.

7 Townshi

Chains

2.25
7.00
20.00
25.00
35.00
40.00

80.00

15 Township 29 N., Range 55 W., 6th P., Meridian.

East, on a random line between Sections 23 and 26.
Variation 15° 48' East.

Chains

Descend gradually,
26.10 Cross Rainie, 25 lks. wide, course S. and ascend,
39.00 Top of Spur, bears N. 20° E. & S. 20° W. & descend,
40.00 Set temporary ¼ sec. cor., m low Sag and ascend,
48.00 Top of Spur, bears N. 20° W. & S. 20° E. and descend,
75.13 Cross Rainie, 2 chs. wide, course S. 65° E. and ascend,
79.95 Intersect N. & S. line, 18 lks. South of cor. to secs. 23-24-25-26, from which Cg. Sum, S. 89° 52' W., on a true line between secs. 23-26, Va. 15° 48' E.
39.98 Set a Sand stone, 13 x 11 x 10 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
79.95 The cor. to secs. 22-23-26-27, Land mountainous, Soil 3rd rate, Vegetation, Bunchgrass.

16 Township 29 N., Range 55 W., 6th P., Meridian.

North, between Sections 22 and 23.
Variation 15° 48' East.

Chains

Descend,
25.50 Cross Rainie, 2 chs. wide, course S. 60° E. and ascend,
27.00 Top of Spur, bears E. & W. & descend,
31.48 Cross Rainie, 14 lks. wide, course E. & ascend,
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. & W. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
44.50 Cross Rainie, 30 lks. wide, course S. 60° E.
49.00 Top of Ridge, bears E. & W. & descend,
80.00 Set a Sand Stone 12 x 8 x 6 ins., 8 ins. in the ground for Cg. 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.

Township 29 N., Range 55 W., 6th P., Meridian.

East, on a random line between Sections 14 and 23.

Variation 16° East.

Chains	
	Ascend,
24.50	Top of Spur, bears N. & S. & descend,
40.00	Set temporary 1/4 sec. cor.
49.28	Cross Ravine, 126 lks. wide, Course S. 28° E. and ascend,
79.84	Intersect N. & S. line, 11 lks. North of cor. to secs. 13-14-23-24, from which cor., I run N. 89° 55' W., on a true line between secs. 14-23.
	Va. 16° E.
39.92	Set a Sand stone, 16 x 14 x 11 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.84	The cor. to secs. 14-15-22-23.
	Land mountainous.
	Soil 3rd rate.
	Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P., Meridian.

North, between Sections 14 and 15.

Variation 16° East.

Chains	
	Descend,
30.20	Cross Ravine, 30 lks. wide, Course S. 70° E.
38.20	Cross Ravine, 40 lks. wide, Course East.
40.00	Set a Sand stone, 10 x 10 x 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
54.42	Cross Ravine, 34 lks. wide, Course E. & ascend,
64.60	Top of Spur, bears N.W. & S.E. & descend.
80.00	Set a Sand stone, 14 x 10 x 8 ins. 9 ins. in the ground for Cor. to Secs. 10-11-14-15, marked with 4 notches on S. and 2 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
	Land mountainous.
	Soil 3rd rate.
	Vegetation, Bunchgrass.

I carefully examined the adjustments of my solar compass today particularly the latitude & reversing apparatus, and found them correct,

Mar. 7, 1882.

7 Township

Chains

2.75
7.00
20.00
25.00
35.00
40.00

80.00

19

Township 29 N., Range 35 W., 6th P. M., Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 16° East.
	Descend.
20.81	Cross Rannie, 40 lks. wide, course S. 35° W.
27.30	Cross Rannie, 30 lks. wide, course S. ascend.
40.00	Set temporary 1/4 Sec. Cor.,
49.30	Top of Spur, bears N. & S. descend,
80.05	Intersect N. & S. line, 29 lks. North of Cor. to Secs. 11-12-13-14, from which Cor., Pine, N. 89° 48' W., in a blue line between sections 11-14, 16° 00' Va. 15° 30' E.,
40.03	Set a Sand Stone, 14 x 10 x 10 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.05	The Cor. to Secs. 10-11-14-15, Sand mountainous, Soil 3rd rate, Vegetation, Bunchgrass.

Township 29 N., Range 35 W., 6th P. M., Meridian.

20

Chains	North, between Sections 10 and 11. Variation 16° East.
	Descend.
9.04	Cross Rannie, 35 lks. wide, course S. 60° E.
13.50	Cross Wash, 80 lks. wide, course E. & W. ascend,
35.10	Top of Spur, bears E. & W. descend,
40.00	Set a Sand Stone, 10 x 8 x 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base
56.40	Cross Rannie, 30 lks. wide, course S. 40° E. and ascend,
66.30	Top of Spur, bears E. & W. descend,
80.00	Set a Sand Stone, 20 x 16 x 14 ins., 15 ins. in the ground, for Cor. to Secs. 2-3-10-11, marked with 5 notches on S. and 2 notches on E. edges, dug pits, 15 x 15 x 12 ins., in each Sec. 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, Sand mountainous. Soil 3rd rate. Vegetation, Bunchgrass.

Township 29 N. Range 55 W. 6th P. Meridian.

East, on a random line between Sections 2 and 11.

Variation 16°03' East.

Chains	
	Descend
12.40	Cross Ravine, 10 lks. wide, Course South.
22.00	Cross Ravine, 16 lks. wide, Course S. 15° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
58.00	Top of Spur, bears N. 20° W. & S. 20° E. and descend.
79.87	Intersect N. & S. line, 19 lks. North of cor. to secs. 1-2-11-12, from which corner, Trun N. 89° 52' W., on a true line between sections 2-11. Va. ~~15°15'~~ 16°03' E.
39.94	Set a Sand stone, 14 x 10 x 10 ins., 9 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
79.87	The cor. to secs. 2-3-10-11. Land mountainous. Soil 3rd rate. Vegetation, Bunchgrass.

Township 29 N. Range 55 W. 6th P. Meridian.

North, on a random line between Sections 2 and 3.

Variation 16°03' East.

Chains	
	Over Prairie
7.75	Cross Ravine, 20 lks. wide, Course S. 20° E.
20.95	Cross Ravine, 20 lks. wide, Course S. 20° E.
40.00	Set temporary 1/4 sec. cor.
79.88	Intersect N. B. of Tp., 9 lks. West of cor. to secs. 2-3-34-35, from which cor., Trun S. 4' W., on a true line between sections 2-3. Va. 16° ~~45'~~ 03' E.
39.88	Set a Sand stone, 10 x 8 x 8 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
79.88	The cor. to secs. 2-3-10-11. Land rolling. Soil 3rd rate. Vegetation, Bunchgrass.

Township ... Range ... Meridian.

Chains

2.25
7.00
20.00
25.00
35.00
40.00

80.00

Township 29 N., Range 33 W., 6th P.M. Meridian.

Iron cor. to secs. ~~27~~ 33-34 & chamfered, bears ... & Limestone, 30x15x11ins. in mound of pits, bears

North, between Sections 33 and 34.

Variation 16°30' East.

Chains	
	Descend,
3.13	Cross Ravine, 20 lks. wide, course S. 60° E.,
	and ascend,
7.49	Top of Spur, bears N.W. & S.E. & descend,
10.00	Cross Ravine, 300 lks. wide, course S. 37° E.,
	and ascend,
27.00	Top of Spur, bears N. 60° W. & S. 60° E. & descend,
33.00	Enter Flat,
40.00	Set Sand Stone, 12x8x8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
60.00	Leave Flat, bears N.W. & S.E.
61.00	Cross Gulch, 30 lks. wide, course S. 30° E.
79.31	Cross Ravine, 80 lks. wide, course S. 20° E.
	and ascend,
80.00	Set Sand Stone, 20x8x6 ins., 15 ins. in the ground, for Cor. to Secs. 27-28-33-34, marked with 1 notch on S. and 3 notches on E. edges, dug pits, 18x18x12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base.

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

Township 29 N., Range 33 W., 6th P.M. Meridian. 28

Chains

East, on a random line between Sections 27 and 34.

Variation 16°09' East.

Chains	
	Ascend,
3.00	Top of Spur, bears N.W. & S.E. & descend,
37.00	Cross Wash 250 lks. wide, course S., & ascend,
40.00	Set temporary 1/4 sec. cor.,
57.00	Top of Ridge, bears N. 25° W. & S. 25° E. & descend,
73.00	Cross Ravine 30 lks. wide, course S. 20° E. & ascend,
79.76	Intersect N. & S. line, 80 lks. North of cor. to secs. 26-27-34-35, from which cor. bears N. 89° 47' W., on a true line between secs. 27-34.
	Va. 16° E.
39.88	Set a Sand Stone, 9x9x7 ins., 6 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
79.76	The cor. to secs. 27-28-33-34.

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

Township 29 N., Range 55 W., 6th P. Meridian.

North, between Sections 27 and 28.

Variation 16°09' East.

Chains	
	Ascend gradually,
14.00	Top of Spur bears N.W. & S.E. and descend,
15.00	Enter Flat, bears N.W. & S.E.
38.00	Leave same,
40.00	Set a Sand stone, 10×8×5 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins. E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
43.00	Cross Ravine, 30 lks. wide, Course S. 30° E.,
59.00	Enter Flat, bears N.W. & S.E.,
80.00	Set a Sand stone, 12×10×8 ins., 8 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, 18×18×12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base,
	Land 39.00 Chs mountainous Balance level,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

East, on a random line between Sections 22 and 27.

Variation 16° East.

Chains	
	Descend,
37.00	Cross Gulch, 80 lks. wide, Course S. 10° E. & ascend,
40.00	Set temporary 1/4 sec. cor.,
51.00	Top of Spur, bears N. 20° W. & S. 20° E. & descend,
70.00	Cross main Gulch, 200 lks. wide, Course S. 15° E.,
74.00	Cross Ravine, 14 lks. wide, Course S. 20° E. & ascend,
80.25	Intersect N. & S. line 21 lks. South of cor. to secs. 22-23-26-27, from which corner, I run S. 89°51' W., on a true line between sections 22-27.
	Va. 15°48' E.
40.13	Set a Sand stone, 12×11×5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.25	The cor. to secs. 21-22-27-28,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township ..... Range ..... Meridian.

Chains	
2.25	
7.00	
20.00	
25.00	
35.00	
40.00	
80.00	

Township 29 N., Range 35 W., 6th P. M. Meridian.

North, between Sections 21 and 22.

Variation 16° East.

Chains	
	Along Flat,
17.00	Leave Flat, bears N.W. & S.E. Ascend,
20.00	Top of Spur, bears N.W. & S.E. Descend,
40.00	Set a Sand Stone 8x8x5 ins., 5 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., E. & W. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,
46.00	Cross Ravine, 50 lks. wide, Course S. 85° W., and ascend,
53.00	Top of Hill, bears N. 50° W. & S. 50° E. Descend,
62.10	Cross Wash, 30 lks. wide, Course S. 89° W. Ascend,
79.00	Top of Spur, bears N. 30° W. & S. 30° E. Descend,
80.00	Set a Sand Stone, 12x10x6 ins., 8 ins. in the ground, for Cor. to Secs. 15-16-21-22, marked with 3 notches on S. and E. edges, dug pits, 18x18x12 ins. in each Sec. 5½ ft. dist. & raised a mound of earth, 2 ft. high, 4½ ft. base,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.
	Mar. 8, 1882.

Township 29 N., Range 35 W., 6th P. M. Meridian. 28

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

Variation 16° 30' East.

Chains	
	Descend,
5.00	Cross Sag, 100 lks. wide, Ascend,
10.00	Top of Spur, bears N. & S. Descend,
38.00	Cross main Wash, 100 lks. wide, Course S. 20° E. and ascend,
40.00	Set temporary 1/4 Sec. Cor.,
57.00	Top of Spur, bears N. 30° W. & S. 30° E. Descend,
64.86	Cross Ravine, 40 lks. wide, Course S. 20° E. and ascend,
72.00	Top of Spur, bears N. 20° W. & S. 20° E. Descend,
79.59	Intersect N. & S. line, 7 lks. North of Cor. to Secs. 14-15-22-23, from which corner Drum N. 89° 57' W., on a true line between sections 15-22, Va. 16° 30' E.,
39.95	Set a Sand Stone, 12x11x5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. & S. of Stone, 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base,
79.89	The Cor. to Secs. 15-16-21-22,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township 29 N., Range 35 W., 6th P. Meridian.

North, between Sections 15 and 16.

Variation 16° 30' East.

Chains	
	Ascend,
2.00	Top of Spur, bears N.W. & S.E. & descend,
13.00	Cross Gulch, 8 lks. wide, course S.65° E. & ascend,
19.00	Top of Spur, bears N.50° W. & S.50° E.
	and descend,
27.79	Cross Ranie, 5 lks. wide, course S.60° E.
	and ascend,
34.00	Top of Spur bears N.35° W. & S.35° E. & descend,
40.00	Set a Sand Stone, 18 x 10 x 5 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base,
48.00	Cross Ranie, 30 lks. wide, course S.40° E. & ascend,
73.00	Top of Spur, bears N.40° W. & S.40° E. & descend,
80.00	Set a Sand Stone 20 x 10 x 5 ins., 15 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 mountainous,
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 29 N., Range 35 W., 6th P. Meridian.

East, on a random line between Sections 10 and 15.

Variation 16° 30' East.

Chains	
	Descend,
37.00	Cross Ranie, 6 lks. wide, course S.10° E. & ascend,
40.00	Set temporary ¼ Sec. Cor.,
43.00	Top of Spur, bears N. & S. & descend,
51.00	Cross Ranie, 20 lks. wide, course S.30° E.
	and ascend,
68.00	Top of Spur, bears N.W. & S.E. & descend,
79.79	Intersect N. & S. line, 18 lks. South of Cor. to Secs. 10-11-14-15, from which corner, Trum S.89° 32' W., on a true line between Sections 10-15.
	Va. 16° E.,
39.90	Set a Sand Stone, 8 x 8 x 7 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
79.79	The Cor. to Secs. 9-10-15-16,
	Land mountainous,
	Soil 3rd rate
	Vegetation, Bunchgrass.

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

Chains

2.75
7.00
20.00
25.00
35.00
40.00

80.00

31

Township 29 N., Range 35 W., 6th P., Meridian.

Chains	North, between Sections 9 and 10. Variation 16° 30' East.
	Ascend gradually,
17.50	Top of Spur, bears N.30°W. & S.30°E., and descend,
25.73	Cross Gulch, 20 lks. wide, course S.25°W. Ascend,
40.00	Set a Sand Stone, 18 x 16 x 4 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 3½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,
41.50	Top of Spur, bears N.W. & S.E. & descend,
50.54	Cross Ravine, 60 lks. wide, course S.30°E. Ascend,
54.00	Top of Spur, bears N.60°W. & S.60°E. & descend,
57.00	Cross Ravine, 30 lks. wide, course S.80°E. Ascend,
75.30	Top of Spur, bears E. & W. & descend,
80.00	Set a Sand Stone, 10 x 9 x 8 ins., 7 ins. in the ground, for Cor. to Secs. 3-4-9-10, marked with 3 notches on S., and 3 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec., and raised a mound of earth, 2 ft. high, 4½ ft. base,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

32

Township 29 N., Range 35 W., 6th P., Meridian.

Chains	East, on a random line between Sections 3 and 10. Variation 16° East.
	Ascend,
30.00	Top of Spur, bears N. & S. and descend,
40.00	Set temporary 1/4 Sec. Cor.,
80.07	Intersect N. & S. line, 12 lks. South of Cor. to Secs. 2-3-10-11, from which Cor. Trun S.89°55' W., on a true line between Sections 3-10.
	Va, 16°03' E.,
40.04	Set a Sand Stone 9 x 8 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of Stone, 3½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.07	The Cor. to Secs. 3-4-9-10,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

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

Chains

2.25
7.00
20.00
25.00
35.00
40.00

80.00

Township 29 N., Range 55 W., 6th P. Meridian.

North, on a random line between Sections 3 and 4.

Variation 16° East.

Chains

1.00 Enter Flat, bears N. 80° E. & S. 80° W.
27.00 Leave same and ascend,
28.00 Top of Ridge, bears E. & W. & descend,
40.00 Set temporary ¼ sec. cor.,
80.20 Intersect N. B. of Sp., 20 lks. West of cor. to secs. 3-4-33-34 from which corner, 9 mn. S. 9° W., on a true line between sections 3-4,
Va. 16° E.,
40.20 Set a Sand stone 9 x 8 x 5 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.20 The cor. to secs. 3-4-9-10, 26.00 lks 5-4-20 lks
Land level and mountainous,
Soil 3rd rate,
Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

From cor. to secs. ~~3-4~~ 32-33, a Limestone 24 x 10 x 3 ins. in mound of pits, 9 mn.,

North, between Sections 32 and 33.

Variation 16° 30' East.

Chains

Descend,
12.30 Cross Wash, 40 lks. wide, Course S. 40° W., and ascend,
16.00 Top of Spur, bears N. 70° E. & S. 70° W. and descend,
40.00 Set Sand Stone, 10 x 10 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. & W. of Stone 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
60.20 Cross Ravine, 20 lks. wide, Course S. 60° W.,
80.00 Set a Sand stone 14 x 14 x 9 ins., 9 ins. in the ground, for Cor. to Secs. 28-29-32-33, Marked with notch on S. and 4 notches on E. edges, dug pits, 15 x 15 x 12 ins. in which Sec., 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base,
Land Mountainous,
Soil 3rd rate,
Vegetation, Bunchgrass.

52

Township 29 N., Range 55 W., 6th P. Meridian.

East, on a random line between Sections 28 and 33.

Variation 16° East.

Chains	
	Ascend,
10.00	Top of Ridge, bears N. 20° E. & S. 20° W. & descend,
27.00	Cross Ravine, 20 lks. wide, Course S. 30° E. & ascend,
40.00	Set temporary 1/4 Sec. Cor.,
46.00	Top of Spur, bears N. & S. & descend,
53.00	Cross Wash, 20 lks. wide, Course S. 20° E.,
74.84	Cross Wash, 16 lks. wide, Course S. 35° E., and ascend,
80.18	Intersect N. & S. line, 19 lks. North of Cor. to secs. 27-28-33-34, from which corner, Run N. 89° 52' W., on a true line between sections 28-33, Va. 16° 09' E.
40.09	Set a Sand stone, 10 x 9 x 9 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.18	The Cor. to secs. 28-29-32-33.

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

Township 29 N., Range 55 W., 6th P. Meridian.

North, between Sections 28 and 29.

Variation 16° East.

Chains	
	Ascend,
6.00	Top of Spur, bears N. 70° W. & S. 70° E. & descend,
39.00	Cross low Sag, 100 lks. wide, bears E. & W., and ascend,
40.00	Set a Sand stone 10 x 8 x 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.00	Set a Sand stone, 14 x 14 x 9 ins., 9 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. 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base,

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

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

Chains

2.25
7.00
20.00
25.00
35.00
40.00

80.00

Township 29 N., Range 35 W., 6th P. Meridian.

Chains — East, on a random line between Sections 21 and 28.

Variation 16°06' East.

Over Prairie, descending gradually.

40.00 Set temporary ¼ Sec. Post,

62.08 Cross Wash, 75 lks. wide, Course S. 25° E. and enter Flat.

80.10 Intersect N. & S. line, 32 lks. South of Cor. to Secs. 21-22-27-28, from which corner Pine S. 89° 46' W., on a true line between sections 21-28, Va, 16° East,

40.05 Set a Sand Stone, 12 x 10 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. & S. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,

80.10 The corner to sections 20 21-28 29,

Sand rolling.

Soil 3rd rate,

Vegetation, Bunchgrass.

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

Township 29 N., Range 35 W., 6th P. Meridian.

Chains — North, between Sections 20 and 21.

Variation 16°06' East.

Over Prairie ascending gradually.

40.00 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. E. & W. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,

50.10 Top of Spur, bears E. & W. and descend,

80.00 Set a Sand Stone, 16 x 14 x 10 ins., 11 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. dist.

Sand Rolling.

Soil 3rd rate,

Vegetation, Bunchgrass.

I carefully examined the adjustments of my polar compass today, particularly the latitude & reversing apparatus, and found them correct.

Mar. 9, 1882.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 16° East.
	Ascend,
5.30	Top of Spur, bears N. & S. and descend
40.00	Set temporary 1/4 sec. cor. in low Sag and ascend,
78.50	Top of Spur, bears N. 30° W. & S. 30° E, and descend,
79.81	Intersect N. & S. line 15 lks. South of cor. to secs. 15-16-21-22, from which corner, Trun S. 89° 54' W., on a true line between sections 16-21, Va, 16° 30' E,
39.91	Set a Sand stone, 8 x 8 x 6 ins., 5 ins, in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base,
79.81	The cor. to secs. 16-17-20-21,
	Land mountainous.
	Soil 3rd rate,
	Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	North, between Sections 16 and 17. Variation 16° East.
	Ascend,
19.00	Cross Road, bears N. 30° E. & S. 30° W.
23.40	Top of Spur, bears E. & W. & descend,
40.00	Set a Sand stone, 10 x 10 x 5 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
42.85	Cross Ravine, 40 lks. wide, Course S. 30° W. and ascend,
59.00	Top of Ridge, bears N. 50° E. & S. 50° W. & descend,
76.50	Cross Ravine, 20 lks. wide, Course S. 80° W. and ascend,
80.00	Set a Sand stone, 10 x 8 x 8 ins., 7 ins. in the ground, for Cor. to Secs. 8-9-16-17, marked with 4 notches on S. & E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

41

Township 29 N., Range 33 W., 6th P. Meridian.

East, on a random line between Sections 9 and 16.

Variation 16° East.

Chains	
	Ascend
16.40	Cross Road, bears N. 30° E. & S. 30° W.,
35.60	Top of Spur, bears N. & S. & descend,
40.00	Set temporary ¼ sec. cor.,
47.20	Cross Wash, 20 lks. wide, course S.E. and ascend,
64.00	Top of Spur, bears N.W. & S.E. & descend,
79.87	Intersect N. & S. line 33 lks. South of cor. to secs. 9-10-15-16, from which cor. bears S. 89° 46' W., on a true line between sections 9-16, Va. 16° 30' E.;
39.94	Set a Sand Stone, 16 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. & S. of stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, to Sec. 8. 9. 16 & 17
79.87	Land mountainous, Soil 3rd rate Vegetation, Bunchgrass.

Township 29 N., Range 33 W., 6th P. Meridian.

North, between Sections 8 and 9.

Variation 16° East.

Chains	
	Ascend
37.00	Top of Spur, bears N. 65° E. & S. 65° W. & descend,
40.00	Set a Sand Stone, 8 x 8 x 6 ins. 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 5½ ft. base, in low Sag and Ascend,
72.00	Top of Spur, bears E. & W. & descend,
80.00	Set a Sand Stone, 10 x 10 x 8 ins. 7 ins. in the ground, for Cor. to Secs. 4-5-8-9, marked 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, 4½ ft. base, Land mountainous, Soil 3rd rate Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 16° East.
	Descend,
10.30	Cross Ravine, 20lks. wide, Course S.70°E. and ascend,
22.00	Cross Road, bears N.40°E. & S.40°W,
40.00	Set temporary 1/4 sec. cor.
51.00	Top of Spur, bears N.W. & S.E. & descend,
80.19	Intersect N. & S. line, 25lks. South of cor. to secs. 3-4-9-10, from which cor., Trun S.89°49' W., on a true line between sections 4-9. Va. 16° E.
40.10	Set a Sand stone, 16x14x14ins., 11ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12ins. N. & S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.19	The cor. to secs. 4-5-8-9. Land mountainous. Soil 3rd rate. Vegetation Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 16° East.
	Over Prairie,
19.00	Cross Ravine, 10lks. wide, Course S.45°E.
32.54	Cross Ravine, 10lks. wide, Course East,
40.00	Set temporary 1/4 sec. cor.
80.23	Intersect N. B. of Tp., 22lks. East of cor. to secs. 4-5-32-33, from which corner, Trun S.9°E., on a true line between sections 4-5. Va. 16° E.
40.23	Set a Sand stone, 12x12x8ins., 8ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12ins. E. & W. of stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.23	The cor. to secs. 4-5-8-9. Land rolling. Soil 3rd rate. Vegetation. Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

From cor. to secs. ~~[illegible]~~ 31-32 a charred stake in mound & pits, with Pine stake in E. pit, Trun,

North, between Sections 31 and 32.

Variation 16° 25' East.

Chains	
	Across Flat,
12.97	Cross Road, bears N.W. & S.E.
17.00	Leave Flat, and ascend,
30.00	Top of Spur, bears N.75°W. & S.75°E. and descend,
36.50	Cross Ravine, 30lks. wide, Course S.20°W. and ascend,
40.00	Set Sand Stone, 9×8×6 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins. E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
47.00	Top of Spur, bears N.30°E. & S.30°W. & descend,
52.00	Cross Gulch, 20lks. wide, Course S.10°W. and ascend,
77.00	Top of Spur, bears N.20°E. & S.20°W. & descend,
80.00	Set Sand Stone, 9×8×8 ins., 6 ins. in the ground, for Cor. to Secs. 29-30-31-32, marked with 1 notch on S. and 5 notches on E. edges, dug pits, 18×18×12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base, Land mountainous. Soil 3rd rate, Vegetation Bunchgrass.

Township 29 N., Range 55 W., 6th P. Meridian.

East, on a random line between Sections 29 and 32.

Variation 16° 09' East.

Chains	
	Ascend,
4.60	Top of Spur, bears N.20°E. & S.20°W. & descend,
9.30	Cross Wash, 60lks. wide, Course N.75°W. & ascend
20.00	Top of Spur, bears N.W. & S.E. & descend,
28.19	Cross Gulch, 20lks. wide, Course N.60°W. and ascend,
40.00	Set temporary 1/4 sec. cor.
79.72	Intersect N. & S. line, 34lks. South of cor. to secs. 28-29-32-33, from which corner Trun, S.89°45' W., on a true line between sections 29-32, Va. 16°E.
39.86	Set a Sand stone, 12×10×8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins., N. & S. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
79.72	The cor. to secs. 29-30-31-32, Land mountainous, Soil 3rd rate, Vegetation, Bunchgrass.

47

Township 29 N., Range 33 W., 4th P. Meridian.

West, on a random line between Sections 30 and 31.

Variation 16°09' East.

Chains	
	Descend,
31.53	Cross Road, bears N. 20° W. & S. 20° E.,
37.50	Cross Ravine, 30 lks. wide, course S. 20° W. and ascend
40.00	Set temporary 1/4 Sec. Cor.,
79.89	Intersect W. B. of Sp., 11 lks. South of Cor. to secs. 25-30-31-36, from which Cor., Pine S. 89° 55' E., on a true line between sections 30-31, Va. 15° 30' E.,
39.59	Set a Sand Stone, 14 x 8 x 4 ins., 9 ins. in the ground, for 1/4 sec. Cor., Marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of Stone, 15 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
79.89	The corner to sections 29-30-31-32,
	Land mountainous,
	Soil 3rd rate
	Vegetation, Bunchgrass.

48

Township 29 N., Range 33 W., 4th P. Meridian.

North, between Sections 29 and 30.

Variation 16°09' East.

Chains	
	Descend,
16.50	Cross Wash, 30 lks. wide, course S. 35° W. Ascend,
20.00	Top of Bluff, bears N.E. & S.W. & descend,
23.00	Cross Ravine, 30 lks. wide, course S. 20° W. Ascend,
33.41	Top of Spur, bears N.W. & S.E. & descend,
40.00	Set a Sand Stone 12 x 10 x 5 ins., 8 ins. in the ground, for 1/4 sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 15 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, in low Sag and ascend,
41.00	Cross Road bears N. 30° E. & S. 30° W.
45.90	Top of Spur, bears N. 25° E. & S. 25° W. & descend,
62.10	Cross Ravine, 33 lks. wide, course S. 22° W. Ascend,
74.50	Top of Spur, bears E. & W. and descend,
79.96	Cross Ravine, 21 lks. wide, course N. 10° W. and ascend,
80.00	Set a Sand Stone 9 x 8 x 6 ins., 6 ins. in the ground, for Cor. to secs. 19-20-29-30 marked with 2 notches on S. and 5 notches on E. edges, dug pits, 18 x 18 x 12 ins., in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base,
	Land mountainous, Soil 3rd rate,
	Vegetation, Bunchgrass.

49

Township 29 N., Range 55 W., 6th P., Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 16°30' East.
	Over rolling land,
35.25	Cross Road, bears N. 20° E. & S. 20° W.
40.00	Set temporary ¼ sec. cor.,
79.69	Intersect N. & S. line, 24 lks. North of cor. to sections 20-21-28-29, from which cor. I run N. 89° 30' W., on a true line between sections 20-29, Va, 16° 06' E.,
39.85	Set a Sand Stone 9 x 9 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. & S. of Stone, 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base,
79.69	The cor. to secs. 19-20-29-30,
	Land rolling,
	Soil 3rd rate,
	Vegetation, Bunchgrass.
	Dec. 10, 1882,

50

Township 29 N., Range 55 W., 6th P., Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 16°30' East.
	Ascend,
5.50	Top of Spur, bears N. 20° W. & S. 20° E. I descend,
14.60	Cross Gulch, 30 lks. wide, Course S. I ascend,
25.90	Top of Spur, bears N. 30° W. & S. 30° E. I descend,
29.50	Cross Ravine, 27 lks. wide, Course S. 10° E. and ascend,
33.00	Top of Spur, bears N. W. & S. E. I descend,
37.50	Cross Ravine, 60 lks. wide, Course S. 20° E. and ascend,
40.00	Set temporary ¼ sec. cor.,
79.47	Intersect West Boundary of Sp., 27 lks. North of cor. to secs. 19-24-25-30, from which cor. I run N. 89° 45' E., on a true line between sections 19-30, Va, 15° 45' E.,
39.47	Set a Sand Stone, 12 x 8 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. & S. of Stone, 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base,
79.47	The cor. to secs. 19-20-29-30,
	Land mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

51

Township 29 N., Range 55 W., 6th P. Meridian.

North, between Sections 19 and 20. Variation 16°30' East.

Chains	
	Descend,
6.00	Cross Prairie, 6 lks. wide, course S. 50° W.
8.00	and ascend, Top of Spur, bears N. 30° E. & S. 30° W.
	and descend,
10.00	Cross Prairie, 20 lks. wide, course S. 30° W. and ascend,
40.00	Set a Sand stone, 12 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
80.00	Set a Sand Stone, 14 x 9 x 8 ins., 9 ins. in the ground, for Cor. to Secs. 17-18-19-20, marked with 3 notches on S. and 3 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base,
	Lava mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

52

Township 29 N., Range 55 W., 6th P. Meridian.

East, on a random line between Sections 17 and 20. Variation 16°30' East.

Chains	
	Descend,
18.50	Cross Prairie, 20 lks. wide, course N. ascend,
24.00	Top of Spur, bears N. & S. descend,
40.00	Set temporary 1/4 Sec. Cor.,
79.73	Intersect N. & S. line, 19 lks. South of Cor. to Secs. 16-17-20-21, from which Cor., Trees S. 89° 52' W., on a line between Secs. 17-20. Va. 16° 30' E.,
39.87	Set a Sand Stone, 10 x 9 x 7 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base,
79.73	The Cor. to Secs. 17-18-19-20,
	Lava mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

53

Township 29 N. Range 35 W., 6th P. Meridian.

West, on a random line between Sections 18 and 19.

Variation 16° 30' East.

Chains	
	Descend,
29.10	Cross Rannie, 50 lks. wide, course N. 10° W. and ascend,
37.00	Top of Spur, bears N. 20° W. & S. 20° E. and descend,
40.00	Set temporary ¼ sec. cor.,
79.56	Intersect W. B. of Yp., 23 lks. South of cor. to secs. 18-18-19-24, from which cor. Drum S. 89° 30' E., on a true line between sections 18-19. Va. 15° 45' E.
39.56	Set a Sand Stone, 18 x 8 x 5 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
79.56	The cor. to secs. 17-18-19-20, Land mountainous. Soil 3rd rate Vegetation Bunchgrass.

54

Township 29 N., Range 35 W., 6th P. Meridian.

North, between Sections 17 and 18.

Variation 16° 30' East.

Chains	
	Descend,
15.00	Enter Sag, bears N. 20° W. & S. 20° E.,
40.00	Set a Sand Stone, 9 x 9 x 6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
44.00	Leave Sag, bears N. 20° W. & S. 20° E. & ascend,
50.00	Top of Spur, bears E. & W. & descend,
56.00	Cross Rannie, 20 lks. wide, course S. 20° W., and ascend,
63.00	Top of Spur, bears E. & W. & descend,
80.00	Set a Sand Stone, 6 x 5 x 3 ins., 4 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 mountainous. Soil 3rd rate Vegetation, Bunchgrass.

Ch

29.

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39.5

79.56

Township 29 N., Range 55 W., 6th P., Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 17° East.
	Descend.
12.00	Cross Ravine, 20 lks. wide, Course S. 20° W. and ascend gradually.
40.00	Set temporary 1/4 sec. cor.
80.22	Intersect N. & S. line, 6 lks. North of cor. to secs. 8-9-16-17, from which cor., Irun N. 89° 57' W., on a true line between sections 8-17. Va. 16° E.
40.11	Set a Sand stone, 12 x 8 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
80.22	The corner to sections 7-8-17-18, Land rolling. Soil 3rd rate. Vegetation, Bunchgrass.

Township 29 N., Range 55 W., 6th P., Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 17° East.
40.00	Set temporary 1/4 sec. cor.
79.10	Intersect W. B. of Tp., 35 lks. North of cor. to secs. 7-12-13-18, from which cor., Irun N. 89° 45' E., on a true line between sections 7-18. Va. 15° 30' E.
39.10	Set a Sand Stone, 12 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base.
79.10	The cor. to secs. 7-8-17-18. Land rolling. Soil 3rd rate. Vegetation, Bunchgrass.

57

Township 29 N., Range 55 W., 6th P., Meridian

Chains	North, between Sections 7 and 8 Variation 17° East.
	Descend,
5.00	cross low Sag, 120 lks. wide, course S. 80° W. and ascend,
40.00	Set a Sand Stone, 12x10x6 ins. 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18x18x12 ins. E. & W. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.00	Set a Sand Stone, 10x10x8 ins., 7 ins. in the ground, for Cor. to Secs. 5-6-7-8, marked with 5 notches on S. and E. edges, dug pits, 18x18x12 ins. in each Sec. 5½ ft. dist., and raised a mound of earth, 2 ft. high, 4½ ft. base,
	Sand mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

58

Township 29 N., Range 55 W., 6th P., Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 16° East.
	Ascend,
40.00	Set temporary ¼ Sec. Cor.
53.00	Top of Spur, bears N. & S. descend,
79.88	Intersect N. & S. line, 21 lks. North of cor. to Secs. 4-5-8-9, from which cor., Trim N. 89° 51' W., on a true line between Sections 5-8, Var. 16° E.
39.94	Set a Sand Stone, 14x9x6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18x18x12 ins., N. & S. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base,
79.88	The cor. to Secs. 5-6-7-8,
	Sand mountainous,
	Soil 3rd rate,
	Vegetation, Bunchgrass.

59

Township 29 N., Range 35 W., 6th P. Meridian.

West, on a random line between Sections 6 and 7.

Variation 16° East.

Chains	
	Descend gradually,
11.18	cross Wash, 30 lks. wide, course S. 66° W.
40.00	Set temporary ¼ Sec. cor.,
60.14	cross Ranne 18 lks. wide, course S. 32° W.
78.64	Intersect W. B. of Sp., 18 lks. North of cor. to secs. 1-6-7-12, from which corner, bears N. 89° 52' E., on a true line between secs. 6-7.
	Va. 15° 30' E.
38.69	Set a Sand Stone, 10 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. & S. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,
78.69	The cor. to secs. 5-6-7-8,
	Land rolling.
	Soil 3rd rate,
	Vegetation, Bunchgrass.

60

Township 29 N., Range 35 W., 6th P. Meridian.

North, on a random line between Sections 5 and 6.

Variation 16° East.

Chains	
	Ascend gradually,
40.00	Set temporary ¼ Sec. cor.,
70.00	Top of Spur, bears N. 20° W. 9 L. 20 E. Ydescend,
80.13	Intersect N. B. of Sp., 13 lks. East of cor. to secs. 5-6-31-32, from which cor. bears S. 6° E., on a true line between sections 5-6.
	Va. 16° 12' E.
40.13	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. & W. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base,
80.13	The cor. to secs. 5-6-7-8,
	Land rolling
	Soil 3rd rate,
	Vegetation, Bunchgrass.
	I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus, and found them correct,
	Mar. 11, 1882.

53 To

55

61

GENERAL DESCRIPTION.

The land in this Township is generally mountainous, The soil, 3rd rate, It is covered with vegetation of Bunchgrass which for a considerable portion of the Tp, furnishes good grazing,

U. S. Surveyor-General's Office.

Plattsmouth Neb.

August 31st 1882

The foregoing Field Notes of the surveys of

Subdivision lines of Tp.

No 29 N. R. 55 W. of the

Principal Base and

Meridian

in the state of Nebraska. executed by

M. F. Reilly

U. S. Deputy Surveyor, under his contract No 2 dated

September 22nd 1881

in the month of March 1882

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

U. S. Surveyor-General for Ia. & Neb.

M. F. Reilly Deputy Surveyor.

T. 30 N. **R.** 55 W.

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 30 N. Range 55 W.

6th Principal Meridian.

BY

M. F. Reilly Deputy Surveyor.

Under his Contract of Sept. 22nd 1881

Survey Commenced Dec. 6th 1881

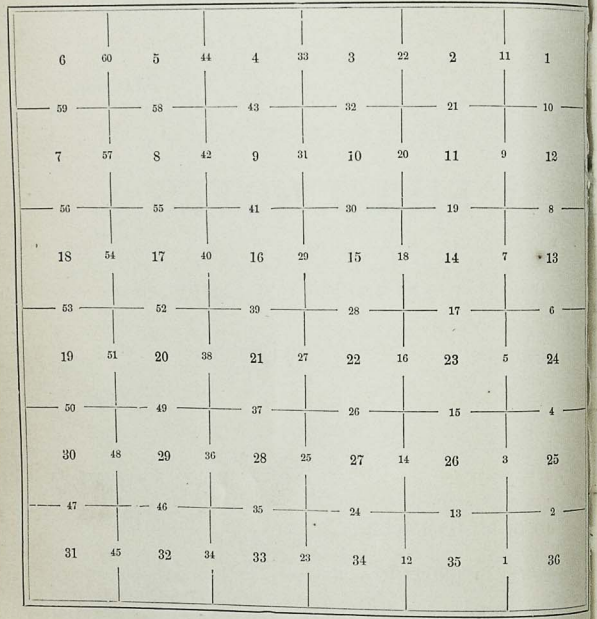
Survey Completed Dec. 12th 1881

Platted,
Copied for Washington,
Copied for Register,

Edward Denny & Co., Stationers & Printers, S. F., Cal.

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

.....Meridian.



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

.....Meridian.

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

..... Meridian.

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

..... 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 N. Y. in 1881

Township 30 N. Range 55 W.

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 17° East.
	Over level land
29.00	Cross Gulch, 200 lks. wide, Course S. 20° E. and ascend
39.00	Top of Spur, bears E. and W. and descend
40.00	Set a sand stone 13 x 10 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
49.00	Foot of Spur, bears E. and W. thence over flat.
80.00	Set a sand stone 12 x 12 x 6 ins. 8 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with 1 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound 2 ft. high 4 1/2 ft. base.
	Land rolling.
	Soil 2nd and 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15° 30' East.
	Over level land.
7.00	Foot of hill, bears N. and S. and ascend
29.00	Top of hill bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
52.40	Cross Gulch, 25 lks. wide, Course S. 15° E. and ascend.
64.86	Top of Spur, bears N. & S. and descend.
80.14	Intersect E. B. of Tp. 26 lks. South of cor. to secs. 30-31-25-36 from which cor., I run S. 89° 49 W. on a true line, between sections 25-36.
	Variations 15° ~~45'~~ 30' East.
40.07	Set a sand stone 18 x 13 x 6 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.14	The corner to sections 25-26-35-36.
	Land hilly
	Soil 2nd and 3rd rate
	Vegetation Bunchgrass

Township 30 N. Range 55 W. 6th Principal Meridian.

Chains	North, between Sections 25 and 26 Variation 15° 30' East.
	Over level land
22.00	Cross Gulch, 250 lks. wide, Course S. E. and ascend.
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., S. and W. of stone 5½ ft. dist., and raised a mound of earth 12 ft. high, 3½ ft. base.
43.50	Top of divide between White River and Running Water bears N. 80° W. & S 80° E and descend.
70.00	Cross Gulch, 20 lks. wide, Course W. and ascend.
80.00	Set a sand stone 12 x 10 x 8 ins. 8 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 rolling.
	Soil 2nd and 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 45' East.
	Ascend
40.00	Set temporary ¼ sec. cor.
43.00	Top of Bluff Ridge N. & S. and descend.
79.94	Intersect E. B. & Tp. 12 lks. S. of Cor. to secs. 24-25-19-30 from which corner, I run S. 89° 55' E. on a true line, between secs 24-25. Variation 15° 40' East.
39.97	Set a sand stone 15 x 8 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5½ ft. dist., and raised a mound of earth 12 ft. high, 3½ ft. base.
79.94	Intersect corner of Sections 23-24-25-26.
	Land rolling.
	Soil 2nd and 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

5th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 15° 40' East.
	Ascend
14.64	Cross Road, bears, E. and W.
40.00	Set a sand stone 11×9×7 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
54.00	Top of Spur, bears E. & W. and descend.
66.00	Cross Road, bears, S. E. & N. W.
80.00	Set a sand stone 18×16×6 ins. 12 ins. in the ground for monument to Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone. 8 ft. at base. 4 1/2 ft. high. Pits impracticable.
	Land rolling.
	Soil 3rd rate
	Vegetation Bunchgrass

Township 30 N. Range 55 W.

5th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 15° 50' East.
	Ascend.
30.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
52.00	Cross Gulch, 12 lks. wide, Course N. 15° E and ascend.
76.54	Top of Spur, bears N. E. & S. W. and descend.
80.12	Intersect E. B. of Tp. 21 lks. S. of cor. to secs. 18-19-13-24 from which corner I run S. 89° 51' W. on a true line, between sections 13-24.
	Variation 15° 50' East.
40.06	Set a sand stone 18×6×3 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.12	The corner to sections 13-14-23-24.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	North, between Sections 13 and 14. Variation 15° 50' East.
	Descend.
2.73	Cross Gulch, 30 lks. wide, Course West and ascend.
5.50	Top of Spur, bears E. & W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
51.00	Cross Gulch, 30 lks. wide, Course N. 40 W. and descend.
62.43	Cross Road, bears, E. & W.
80.00	Set a sand stone 18 x 8 x 4 ins. 12 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., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 15° 10' East.
	Ascend.
5.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary 1/4 sec. cor.
58.00	Cross Gulch, 30 lks. wide, Course N. E. and ascend.
71.00	Top of Spur, bears N. 20° E. & S. 20° W. and descend.
77.34	Cross Gulch, 150 lks. wide, Course N. 10° W. and ascend.
80.26	Intersect E. B. of Tp. ~~70~~ 35 lks. South of cor. to secs. 12-13-7-18 from which corner, I run S. 89° 45' W. on a true line, between secs. 12-13. Variation 15° ~~30~~ 60' East.
40.13	Set a lime stone 10 x 10 x 5 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
80.26	The corner to sections 11-12-13-14.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

9

Township 30 N. Range 55 W. 6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 10' East.
	Ascend.
6.50	Pop of Spur, brass N. B. & L. C. and descend.
40.00	Set a sand stone 18 x 8 x 6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on E. face, drug pits, 18 x 18 x 12 ins., E. & N. of stone 8½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
53.00	Cross Gulch, 25 lks. wide, course West ⁿᵈ ascend.
75.00	Top of Spur, brass E. & L. and descend.
80.00	Set a sand stone 16 x 12 x 8 ins. 10 ins. in the ground for Cor. to Sec. 1-2-11-12 marked with 6 notches on S. and 1 notch on E. edges, drug pits 18 x 18 x 12 ins. in each Sec., 8½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Land mountainous. Soil 3ʳᵈ sale Vegetation Bunchgrass.

10

Township 30 N. Range 55 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 25' East.
	Descend.
28.00	Cross Gulch, 30 lks. wide, course North ⁿᵈ ascend.
86.00	Top of Spur, brass N. & L. and descend.
40.00	Set Temporary ¼ sec. cor.
46.00	Cross Gulch, 20 lks. wide, Course North ⁿᵈ ascend.
50.00	Top of Spur, brass N. & L. and descend.
80.10	Set Stone E. & B. of Tp. 12 lks. North of cor. to secs. 6-7-1-12 from which a cross X cuts X sides N. 89° 38' W. on a true line, between sections 1-12. Variations 15° 23' East.
40.00	Set a sand stone 18 x 9 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, drug pits, 18 x 18 x 12 ins. N. & S. of stone 8½ ft. dist. ⁿᵈ raised a mound of earth 1½ ft. high, 3½ ft. base.
80.10	This corner to sections 1-2-11-12. Land mountainous. Soil 3ʳᵈ sale Vegetation Bunchgrass. Dec. 6th 1881

Township 30 N. Range 55 W. 6th Principal Meridian.

North, on a random line between Sections 1 and 2.

Variation 15° 25' East.

Chains	
	Descend.
23.00	Cross Gulch, 20 lks. wide, Course East and Ascend.
36.00	Top of Spur, bears E. & S. and descend.
40.00	Set temporary ¼ sec. cor.
	in low sag and ascend.
46.00	Top of Spur, bears E. & S. and descend.
54.00	Cross Gulch, 20 lks. wide, Course S. 75° E. and ascend.
58.00	Top of Spur, bears N. E. & S. E. and descend.
66.00	Cross low Sag and ascend.
71.00	Top of Spur, bears S. E. & N. W. and descend.
74.33	Cross Gulch, 20 lks. wide, Course N. 30° E. and ascend.
80.11	Entered N. B. of Mp. 22 lks. East of cor. to secs.
	1-2-35-36 from which corner bears
	N. 9° E. 60 links Brass Caps, Witness corners 1-2.
	Variation 16° 30' East.
40.11	Set a sand stone 18 x 7 x 5 ins., 12
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on its
	face, dug pits 18 x 18 x 12 ins., E. & W. of Stone
	6½ ft. dist., and raised a mound of earth 1½ ft. high,
	3½ ft. base.
80.11	Due course to sections 1-2-11-12.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W. 6th Principal Meridian.

North, between Sections 34 and 35.

Variation 16° 45' East.

Chains	
	Ascend.
9.00	Top of Spur, bears E. & W. and descend.
28.60	Cross low Sag and ascend.
31.90	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 13 x 10 x 6 ins., 8
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on its
	face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone
	6½ ft. dist., and raised a mound of earth 1½ ft. high,
	3½ ft. base.
57.00	Cross Gulch, 80 lks. wide, Course S. 60° E. and ascend.
62.20	Top of Spur, bears E. & W. and descend
63.36	Cross Gulch, 100 lks. wide, Course S. 80° E. and ascend.
80.00	Set a sand stone 12 x 9 x 7 ins. 8 ins. in the
	ground for Cor. to Secs. 26-27-34-35 marked
	with 1 notch 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 30 N. Range 55 W. 5th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 16° East.
	Ascend
4.06	Top of Spur, brow N. & S. and descend.
19.50	Edge flat brow S. E. & N. W.
40.00	Set Temporary ¼ sec.
61.00	Cross Gulch, 60 lks. wide, course S. W. and leave flat brow N. & S. and ascend.
79.93	Intersect N. & S. line, 18 lks. North of cor. to secs. 26-26-35-35 from which corner, Pine N. 89° 52' W. 80 lks. a bur. tree bears between secs. 26-35. Variation 16° 00' East.
89.97	Set a sand stone 14×6×6 ins., 10 ins., in the ground, for ¼ sec. Cor., marked ¼ on N. face, dug pits, 18×18×12 ins., N. & S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.93	This corner to sections 26-25-34-35. Sand ~~38.43 Lks no vegetation, Bal grass flat & level~~ Soil 2nd rate Vegetation Bunchgrass.

Chains	North, between Sections 26 and 27. Variation 16° East.
	Ascend.
18.00	Top of divide between White River and Running Water, brow E. & W. and descend.
33.25	Cross low Sag and ascend.
40.00	Set a sand stone 12×8×6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18×18×12 ins., E. & W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
59.63	Top of Spur, brow E. & W. and descend.
63.90	Cross Gulch, 70 lks. wide, course S. 70° E. and ascend.
69.00	Top of Spur, brow E. & W. and descend.
80.00	Set a sand stone 12×9×8 ins. 8 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. edge & 2 notches on E. edges, dug pits 18×18×12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Sand mountainous. Soil 3rd rate Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 45' East.
	Descend.
17.36	Cross low Sag and ascend.
22.00	Top of Spur, bears N. & S. and descend.
29.30	Cross low Sag and ascend.
33.40	Top of Spur, bears N. E. & S. W. and descend.
40.00	Set temporary 1/4 sec. cor.
56.18	Cross Gulch 60 lks. wide, Course N. and Ascend.
79.88	Intersect N. & S. line, 31 lks. North of cor. to secs. 23-24-25-26. from which corner I run N. 89° 47' W. on a true line between Secs. 23-26. Variation 15° 45' East.
39.94	Set a lime stone 12 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face dug pits, 18 x 18 x 12 ins. N. & S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.88	The corner of Secs. 22-23-26-27.
	Land mountainous
	Soil 3d rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 45' East.
	Ascend.
28.90	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 10 x 10 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
41.60	Cross low Sag and ascend.
46.47	Cross Road, bears, N. 60° E. & S. 60° W.
76.45	Cross Road, bears, N. E. and S. W.
80.00	Set a lime stone 12 x 10 x 8 ins. 8 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3rd rate.
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 16° East.
	Ascend.
5.00	Top of Spur, bears N. W. & S. E. and descend.
30.68	Cross Gulch, 60 lks. wide, Course N. 25° W. and descend.
40.00	Set temporary 1/4 sec. cor.
44.00	Top of Spur, bears N. & S. and descend.
79.62	Intersect N. & S. line, 24 lks. N. of cor. to secs. 13-14-23-24 from which corner. I run N. 89° 50' W. on a true line between Secs 14-23. Variation 16° 50' East.
39.81	Set a sand stone 16 x 14 x 10 ins., 10 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.62	The corner to sections 14-15-22-23.
	Land Mountainous
	Soil 3rd rate
	Vegetation Bunchgrass

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 16° East.
	Ascend.
4.60	Top of Spur, bears S. E. & N. W. and descend.
14.70	Cross Gulch, 60 lks. wide, Course N. 60° W. and ascend.
40.00	Set a sand stone 13 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
53.00	Top of Spurs, bears N. W. & S. E. and descend.
75.00	Cross low Sag and ascend.
80.00	Set a sand stone 18 x 15 x 13 ins. 12 ins. in the ground for Cor. to Secs. 10-11-14-15 marked with 4 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec, 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal. Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 20' East.
	Descend
4.00	Cross Gulch, 60 lks. wide, Course N. 30° W. and ascend.
19.00	Top of Spur, bears N. W. & S. E. and descend.
27.50	Cross Gulch, 60 lks. wide, Course N. 20° W. and ascend.
36.00	Top of Spur, bears N. 10° W. & S. 10° E. and descend.
40.00	Set temporary 1/4 sec. cor.
45.80	Cross Gulch, 65 lks. wide, Course N. 20° W. and ascend.
79.86	Intersect N. & S. line, 14 lks S. of Cor. to secs. 11-12-13-14 from which corner, I run S. 89° 54' W. on a true line between sections 11-14. Variation 15° 20' East.
39.93	Set a sand stone 12 x 8 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.86	The corners to sections 10-11-14-15
	Land mountainous.
	Soil 3rd rate
	Vegetation. Bunchgrass.

Township 30 N. Range 55 W.

6th Principal. Meridian.

Chains	North, between Sections 10 and 11. Variation 15° 20' East.
	Descend.
4.70	Cross Gulch, 60 lks wide, Course West and ascend.
11.00	Top of Spur, bears N. W. & S. E. and descend.
20.70	Cross Gulch, 12 lks. wide, Course N. 20° W. and ascend.
28.50	Top of Spur, bears N. 10° W. & S. 10° E. and descend
40.00	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
52.00	Cross low Sag and ascend.
55.00	Top of Spur, bears N. W. & S. E. and descend.
64.30	Cross Gulch, 20 lks. wide, Course N. 20° W. and ascend.
71.00	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a sand stone 15 x 10 x 5 ins. 10 ins. in the ground for Cor. to Secs. 2-3-10-11 marked with 5 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	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. Dec. 7th 1881

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 15° 15' East.
	Ascend.
21.00	Top of Spur, bears N. W. & S. E. and descend.
39.00	Cross low Sag and ascend.
40.00	Set temporary 1/4 sec. cor.
50.80	Cross Gulch, 30 lks. wide, Course N. W.
68.60	Top of Spur, bears N. W. & S. E. and descend.
79.94	Intersect N. & S. line, 23 lks. N. of cor to secs. 1-2-11-12 from which corner I run N. 89° 50' W. on a true line between secs. 2-11. Variation 15° ~~25~~ 15' East.
39.97	Set a sand stone 12×8×6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.94	The corner to sections 2-3-10-11.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 2 and 3. Variation 15° 15' East.
	Descend.
14.20	Cross Gulch, 10 lks. wide, Course N. 80° W. and ascend.
23.23	Top of Spur, bears S. E. & N. W. and descend.
27.00	Cross low Sag and ascend.
39.00	Top of Spur, bears N. 60° W. & S. 60° E. and descend.
40.00	Set temporary 1/4 sec. cor.
64.00	Cross Gulch, 10 lks wide, Course N. 70° W. and ascend.
80.25	Intersect N. B. of Tp. 19 lks West of cor to secs. 2-3-34-35 from which corner, I run S. 8' W. on a true line between Secs. 2-3. Variation 15° ~~30~~ 15' East.
40.25	Set a sand stone 20×8×6 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18×18×12 ins., E. & W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.25	The corner to sections 2-3-10-11.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 53 W. 6th Principal Meridian.

Chains	North, between Sections 33 and 34. Variation 16° East.
	Ascend.
17.80	Top of Ridge, bears E. & W. and descend.
27.38	Cross Canon, 40 lks. wide, course West ascend.
34.50	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 11 x 7 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist., raised a mound of earth 18 in. high 3 1/2 ft. base.
41.08	Cross Gulch, 30 lks. wide, course N. 70° E. ascend.
53.00	Top of Spur, bears E. & W. and descend.
59.86	Cross Gulch, 25 lks. wide, course West ascend.
80.00	Set a sand stone 18 x 13 x 6 ins. 12 ins. in the ground for Cor. to Secs. 27-28-33-34, marked with 1 notch on N. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 30 N. Range 53 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34. Variation 16° 15' East.
	Ascend.
12.50	Top of Spur bears N. & S. and descend.
37.20	Cross Gulch, 30 lks. wide, course S. 75° E. ascend.
40.00	Set temporary 1/4 sec. cor.
48.00	Top of Spur, bears N. & S. and descend.
64.92	Cross Gulch, 10 lks. wide, course South ascend.
80.16	Intersect N. & S. line, 8 lks. North of cor. to secs. 26-27-34-35 - from which a pine 8 ins. diameter bears N. 89° 37' W. on a true line, bears sec. 27-34 Variation 16° East
40.08	Set a sand stone 14 x 7 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of stone 5 1/2 ft. dist., raised a mound of earth 18 in. high 3 1/2 ft. base.
80.16	Pile stones to sections 27-28-33-34.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, between Sections 27 and 28. Variation 16° 15' East.
	Ascend.
26.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
40.00	Set a sand stone 14×10×7 ins., 10 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
45.50	Top of divide between White River and Running Water bears E. & W. and descend.
66.00	Cross Gulch, 14 lks wide, Course N. 70° E. and ascend.
80.00	Set a sand stone 18×11×8 ins. 12 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 18×18×12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 22 and 27. Variation 16° East.
	Ascend.
3.00	Top of Spur, bears N. & S. and descend.
12.13	Cross Gulch, 45 lks. wide, Course S. 70° E. and ascend.
31.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
48.00	Cross Gulch, 10 lks. wide, Course S. and ascend.
63.50	Top of Spur, bears N. & S. and descend.
79.71	Intersect N. & S. line 16 lks. N. of cor. to secs. 22-23-26-27. from which corner I run N 89° 53' W. on a true line between Secs. 22-27. Variation ~~15° 45'~~ 16° East.
39.86	Set a sand stone 9×9×7 ins., 6 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.71	The corner to sections 21-22-27-28.
	Land mountainous
	Soil 3rd. rate
	Vegetation Bunchgrass.

Township 32 N. Range 5 E.
6th Principal Meridian.

North, between Sections 21 and 22.
Variation 16° East.

Chains	
	Descend.
3.50	Cross Gulch 30 lks. wide, course E. and ascend.
15.00	Top of Spur, bears E. & W. and descend.
23.42	Cross Road, bears N. 35° E. & S. 35° W.
40.00	Set a limestone 12 x 8 x 3 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of Stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
47.00	Top of Spur, bears E. & W. and descend.
58.16	Cross Gulch, 15 lks. wide, course East and ascend.
78.00	Top of Spur, bears E. & W. and descend.
79.19	Cross Road, bears, N. 30° E. & S. 30° W.
80.00	Set a sand stone 18 x 11 x 8 ins. 12 ins. in the ground for cor. to Secs. 15-16-21-22. marked with 3 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 5 E.
6th Principal Meridian.

East, on a random line between Sections 15 and 22.
Variation 16° East.

Chains	
	Descend.
8.10	Cross Gulch, 20 lks. wide, course North & ascend.
29.15	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
80.24	Intersect N. & S. line, 35 lks. North of cor. to secs. 14-15-22-23, from which corner, a tree N. 89° 45' W. on a true line between Secs. 15-22. Variation 16° East.
40.12	Set a sand stone 18 x 10 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of Stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.24	The corner to sections 15-16-21-22.
	Sand mountainous
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W. 6th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 16° East.
	Ascend.
18.00	Cross Gulch, 30 lks. wide, course N. 16° W. and ascend.
27.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a sand stone 18 x 10 x 4 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face dug pits, 18 x 8 x 12 ins., E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 8 1/2 ft. base.
63.00	Cross Gulch, 20 lks. wide, course N. 20° W. and ascend.
70.00	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a sand stone 20 x 12 x 8 ins. 15 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W. 6th Principal Meridian.

Chanis	East, on a random line between Sections 10 and 15. Variation 15° 36' East.
	Ascend.
22.00	Top of Spur, bears S.E. & N.W. and descend.
28.64	Cross Gulch, 40 lks wide, course N. 16° W. and ascend.
40.00	Set temporary 1/4 sec. cor.
52.50	Top of Spur, bears N. & S. and descend.
80.10	Intersect N. & S. line 11 lks N. of cor. to secs. 10-11-14-15. from outside corner I run N. 89° 68' W. on a true line between sections 10.—15. Variation 15° 36' East.
4006	Set a sand stone 4 x 12 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.10	The corner to sections 9-10-15-16.
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.
	Dec. 8th 1881

Township N. 30 Range 5 W. 6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 30' East.
	Descend.
12.00	Cross Gulch 60 lks. wide, course N. 30° E. and ascend.
16.00	Cross Gulch, 100 lks. wide, course N. 45° E.
37.00	Top of Spur, bears E. & W. and descend
40.00	Set a sand stone 10 x 10 x 5 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
44.00	Cross Log Gulch and ascend.
61.00	Top of Spur, bears N. E. & S. W. and descend.
71.20	Cross Gulch, 60 lks. wide, course N. 20° E. and ascend.
73.00	Top of Spur, bears N. 30° E. & S. 30° W. and descend.
80.00	Set a sand stone 10 x 6 x 4 ins. 6 ins. in the ground for cor., to Secs. 3-4-9-10 marked with 3 notches on S. & 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 5 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 3 and 10. Variation 15° 30' East.
	Ascend.
6.00	Cross Gulch, 10 lks. wide, course S. 80° E. and ascend.
8.00	Top of Spur, bears N. W. & S. E. and descend.
15.65	Cross Gulch, 60 lks. wide, course S. 60° E. and ascend.
39.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
52.90	Cross Gulch, 80 lks. wide, course N. 30° E. and ascend.
60.00	Top of Spur, bears N. E. & S. W. and descend.
71.30	Cross Creek, 100 lks. wide, course Northerly and ascend.
76.14	Top of Spur, bears S. E. & N. W. and descend.
79.89	Intersect N. & S. line, 21 lks. South of cor. to secs. 2-3-10-11 from which corner bears S. 89° 30' W. on a true line between sections 3-10 Variation 15° 30' East.
39.95	Set a sand stone 14 x 12 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, Dug pits, 18 x 18 x 12 ins., N. & S. of stone 3 1/2 ft. dist., and raised a mounds of earth 1 1/2 ft. high 3 1/2 ft. base.
79.89	The corner to sections 3-4-9-10
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass & Sagebrush.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 15° 30' East.
	Descend.
7.00	Cross Gulch, 30 lks. wide, Course East and ascend.
18.00	Top of Spur, bears E. & W. and descend.
40.00	Set temporary 1/4 sec. cor.
63.00	Cross Gulch, 40 lks. wide, Course S. 30° E. and ascend.
72.50	Top of Spur, bears N. 35° W. & S. 35° E. and descend.
79.92	Intersect N. B. of Tp. 16 lks. West of cor. to secs. 3-4-33-34 from which corner I run S. 7' W. on a true line, between sections 3-4. Variation 15° 30' East.
39.92	Set a sand stone 13 x 10 x 7 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
79.92	The corner to sections 3-4-9-10. Land mountainous. Soil 3rd rate Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 16° East.
	Ascend.
6.00	Top of Spur, bears E. & W. and descend.
10.00	Cross low Sag and ascend.
20.50	Top of Spur, bears E. & W. and descend.
36.75	Cross Road, bears N. 30° W. & S. 30° E.
37.00	Cross low Sag and ascend.
40.00	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground for 1/4 Sec. cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
45.00	Top of Spur, bears S. E. & N. W. and descend.
56.00	Cross low Sag and ascend.
60.00	Top of Spur, bears N. 20° E. & S. 20° W. and descend.
71.00	Cross low Sag and ascend.
75.00	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a sand stone 18 x 10 x 8 ins. 12 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. Land mountainous. Soil 3rd rate Vegetation Bunchgrass.

Township 38 N. Range 55 W. 6th Principal Meridian.

East, on a random line between Sections 28 and 33.

Variation 16° 25' East.

Chains	
	Descend.
3.80	Cross Gulch, 90 lks. wide, course S. 20° E. and ascend.
18.00	Top of Spur, bears S. 20° E. N. 20° W. and descend.
28.80	Cross Gulch, 35 lks. wide, course South and ascend.
40.00	Set temporary ¼ sec. cor.
52.00	Top of Spur, bears N. & S. and descend.
68.19	Cross Gulch, 8 lks. wide course S. and ascend.
80.26	Intersect N. & S. line, 4 lks. North of cor. to secs. 27-28-33-34. from which corner I run N. 89° 54' W. on a true line between Secs. 28-33. Variation 16° 25' East.
40.13	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 2½ ft. dist., and raised a mound of earth 1½ ft. high 3½ ft. base.
80.26	The course to sections 28-29-32-33. Sand mountainous. Soil 3rd rate Vegetation Bunch grass.

Township 39 N. Range 55 W. 6th Principal Meridian.

North, between Sections 28 and 29.

Variation 16° 25' East.

Chains	
	Descend.
7.60	Cross Gulch, 30 lks. wide, course S. 30° E. and ascend.
13.60	Top of Spur, bears N. W. & S. E. and descend.
29.50	Cross Road, bears, N. 45° E. & S. 45° W.
31.00	Enter Log bears S. 30° E. & N. 30° W.
38.00	Leave " " S. 30° E. & N. 30° W. and ascend.
40.00	Set a sand stone 12 x 10 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. & W. of stone 2½ ft. dist., and raised a mound of earth 1½ ft. high 3½ ft. base.
47.00	Top of divide between White Rivers and Running Water N. 80° W. & S. 80° E. and ascend.
80.00	Set a sand stone 14 x 12 x 8 ins. 10 ins. in the ground for Cor. to Secs. 20-21-28-29 marked with 2 notches on S. & 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 2½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Sand mountainous. Soil 3rd rate. Vegetation Bunch grass.

Township 30 N. Range 5 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 16° 10' East.
	Ascend.
4.00	Top of Spur, bears N. W. & S. E. and descend.
9.00	Cross low Sag and ascend.
21.00	Top of Spur, bears N. & S. and descend.
24.00	Enter Sag bears N. & S.
34.00	Leave " " N. & S. and ascend.
37.00	Top of Spur bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
57.00	Cross Gulch, 12 lks. wide, course N. and ascend.
58.26	Cross Road, bears N. & S.
80.10	Intersect N. & S. lines 25 lks. South of cor. to secs. 21-22-27-28 from which corner, Pine S. 89° 49' W. on a true line between Secs. 21-28. Variation 16° 19' East.
40.06	Set a cored stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ sec. cor., marked 1/4 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	This corner to sections 20-21-28-29 Land mountainous Soil & rate Vegetation Bunchgrass.

Township 30 N. Range 6 W. 6th Principal Meridian.

Chains	North, between Sections 20 and 21. Variation 16° 10' East.
	Descend
7.70	Cross Gulch, 10 lks. wide, Course N. 15° W. and ascend.
13.00	Top of Spur, bears N. 20° W. & S. 20° E. and descend.
23.60	Cross Gulch, 30 lks. wide, Course N. 20° W. and ascend.
40.00	Set a cored stone 14 x 10 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high 3½ ft. base.
41.40	Top of Spur bears N. E. & S. W. and descend
60.08	Cross Gulch, 10 lks. wide Course N. 30° W. and ascend.
60.00	Top of Spur, bears S. E. & N. W. and descend.
68.00	Cross Gulch, 300 lks. wide, Course N. 40° E. and ascend.
80.00	Set a cored stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 16-17-20-21 marked with 3 scribe cuts on S. & 4 scribe cuts 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 & rate Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15° 40' East.
	Descend.
.75	Cross Gulch, 15 lks. wide, Course S. 30° E. and ascend.
9.50	Top of Spur, bears N. & S. and descend.
19.00	Cross Gulch, 130 lks. wide, Course N. 20° E. and ascend
36.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
53.15	Cross low Sag and ascend.
62.00	Top of Spur, bears N. & S. and desend.
73.00	Cross Gulch, 15 lks. wide, Course North and ascend.
75.96	Cross Road, bears. S. 30° E. & N. 30° W.
79.80	Intersect N. & S. line, 8 lks. North of cor. to secs. 15-16-21-22 from which corner, I run N. 89° 57' W. on a true line between secs. 16 & 21 Variation 15° 40' East.
39.90	Set a sand stone 10x10x8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W face, dug pits, 18x18x12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.80	The corner to sections 16-17-20-21.
	Land mountainous.
	Soil 3 d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15° 40' East.
	Ascend.
3.00	Top of Spur, bears E. & W. and descend.
25.00	Cross low Sag and ascend.
30.00	Top of Spur, bears N.W. & S.E. and descend.
40.00	Set a sand stone 13x9x7 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
46.00	Cross Gulch, 20 lks. wide, Course S. 35° E. and ascend.
49.00	Top of Spur, bears E. & W. and descend.
63.54	Cross Road, bears, E. & W.
80.00	Set a sand stone 18x12x4 ins. 12 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with 4 notches on S. & 4 notches on E. edges, dug pits, 18x18x12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base.
	Land mountainous.
	Soil 3 d. rate
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my solar compass to day, particularly the latitude and reversing apparatus, and found them correct.
	Dec. 9th 1881

41

Township 30 N. Range 5 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16. Variation 15° 86' East.
	Ascend.
9.00	Top of Spur, bears N. & S. and descend.
27.00	Cross Low, Sag and ascend.
33.60	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
64.00	Enter Sag, bears N. 80° E. & S. 80° W.
67.00	Leave " " " " " and descend.
71.80	Cross Gulch, 60 lks. wide, course N. 20° E.
73.50	Top of Spur, bears E. & W. and descend.
78.90	Cross Gulch, 100 lks. wide, course N. 10° W. and ascend.
79.77	Intersect N. & S. line, 16 lks. North of cor. to secs. 9-10-15-16 from which corner I saw N. 89° 53' W. on a bee line between secs. 9-16. Variation 15° 86' East.
89.89	Set a sand stone 13 x 8 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & E. of stone 6 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.77	The corner to sections 8-9-16-17. Land mountainous. Soil 3d. rate Vegetation Bunchgrass.

Township 30 N. Range 5 W. 6th Principal Meridian.

42

Chains	North, between Sections 8 and 9. Variation 15° 36' East.
	Ascend.
27.00	Top of Spur, bears E. & W. and descend.
86.70	Cross Gulch, 30 lks. wide, course E. and ascend.
40.00	Set a sand stone 14 x 10 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone 3 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
67.00	Top of Spur, bears E. & W. and descend.
72.10	Cross Gulch, 14 lks. wide, course East and ascend.
80.00	Set a sand stone 16 x 6 x 6 ins. 10 ins. in the ground, for Cor. to Secs. 4-5-8-9. marked with 3 notches on S. & E. middle one E. edges, dug pits, 18 x 18 x 12 ins. in each Sec., 3 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base. Land mountainous. Soil 3rd. rate. Vegetation Bunchgrass.

43

Township 31 N. Range 5 E. 6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 15° 40' East.
	Ascend.
23.00	Top of Spur, bears S. 25° E. & N. 25° W. descend.
38.14	Cross Gulch, 20 lks. wide, bears S. 15° E. ascend.
40.00	Set Temporary ¼ sec. cor.
68.00	Top of Spur, bears N. & S. and descend.
80.08	Intersect N. & S. line, ¼ lk. North of cor. to secs. 3-4-9-10 from which corner, Pine bears N. 89° 34' W. on a true line between sections 4-9. Variation 15° 40' East.
40.04	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., N. and S. of stone 5½ ft. distant, and raised a mound of earth 1½ ft. high, 8½ ft. base.
80.08	Pile stones to sections 4-5-8-9.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

44

Township 31 N. Range 5 E. 6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 15° 40' East.
	Over rolling land
34.80	Cross Road, from Ft. Laramie to Ft. Robinson bears N. 60° W. & S. 60° E.
40.00	Set temporary ¼ sec. cor.
58.36	Cross Gulch, 10 lks. wide, bears N. 15° E.
79.77	Intersect N. B. & M. P. 24 lks. East of cor. to secs. 25-32-33-36 from which corner, Pine bears S. 15° E. on a true line between sections 4-5. Variation 15° 40' East.
80.77	Set a sand stone 16 x 8 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits 18 x 18 x 12 ins., S. and E. of stone 5½ ft. distant, and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.77	Pile stones to sections 4-5-8-9
	Land, rolling.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 5 W. 6th Principal Meridian.

North, between Sections 31 and 32.

Variation 16° 12' East.

Chains	
	Ascend.
10.00	Cross Road, bears N. 40° E. & S. 40° W.
21.30	Top of Ridge, bears E. & W. and descend.
38.50	Cross Log Sag and ascend.
40.00	Set a sand stone 14 x 8 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
66.00	Top of Spur, bears S. 76° E. & N. 78° W. and descend.
76.00	Cross Trail, bears E. & W.
80.00	Set a sand stone 18 x 13 x 4 ins. 12 ins in the ground, for Cor. to Secs 29-30-31-32 marked with 1 notch on S. & 3 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Secs, 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate
	Vegitation Bunchgrass.

Township 30 N. Range 5 W. 6th Principal Meridian.

East, on a random line between Sections 29 and 32.

Variation 16° East.

Chains	
	Cross level land.
9.00	Leave Trail, bears N. & S. and ascend.
13.80	Top of Spur, bears N. & S. and descend.
31.50	Cross Low Sag and ascend.
40.00	Set temporary 1/4 sec. cor.
49.80	Cross Road, bears N. 20° E. & S. 20° W.
74.00	Top of Spur, bears N. W. & S. E. and descend.
79.68	Intersect N. & S. line, 29 lks. South of cor. to secs. 28-29-32-33 from which corner 8 ins. S. 89 W. & 8 ins. W. on a blaze line bears N. 29-32. Variation 16 25' East.
39.84	Set a sand stone 18 x 9 x 7 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.68	The corner to sections 29-30-31-32.
	Land mountainous.
	Soil 3d. rate
	Vegitation Bunchgrass.

Township 30 N. Range 55 W. 6th Principal Meridian.

West, on a random line between Sections 30 and 31.

Variation 16° East.

Chains	
	Over level land.
24.00	Cross Gulch, 30 lks. wide, Course S. 30° W. and Leave Foot base N. & S. and ascend.
34.30	Top of Spur, base S. 20° W. & N. 20° E. and descend.
37.50	Cross Gulch, 25 lks. wide, Course S. 35° W. and ascend.
40.00	Set temporary ¼ sec. cor.
51.00	Top of Spur, base S. 30° W. & N. 30° E. and descend.
72.35	Intersect W. B. of Gp. 28 lks. S. of cor. to secs. 30-31-25-36. From which cor. I run S. 89° 48' E. on a true line, between secs. 30-31.
	Variation 16° East.
39.85	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. cor., marked ¼ on W. face, drag 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.
72.35	The corner to sections 29-30-31-32.
	Land mountainous.
	Soil 3rd. sale.
	Vegetation Bunchgrass.

Township 30 N. Range 55 W. 6th Principal Meridian.

North, between Sections 29 and 30.

Variation 16° East.

Chains	
	Over level land.
18.50	Cross Gulch, 40 lks. wide, Course S. 70° W. and Leave Foot base S. 70° W. & N. 70° E. and ascend.
28.20	Top of Spur, base E. & W. and descend.
40.00	Set a sand stone 16 x 8 x 6 ins., 10 ins. in the ground, for ¼ Sec. cor., marked ¼ on N. face, drag 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.
58.00	Cross low Sag and ascend.
68.00	Top of Spur, base S. 65° W. & N. 65° E. and descend.
80.00	Set a sand stone 12 x 10 x 8 ins. 8 ins. in the ground, for Cor. to Secs. 19-20-29-30, marked with 2 scribes on S. and 3 scribes on E. edges, drag 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. sale.
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 16° East.
	Ascend.
15.00	Top of Spur, bears N. & S. and descend.
25.00	Cross low Sag and ascend.
37.80	Cross Road, bears N. 30° E. & S 30° W.
40.00	Set temporary 1/4 sec. cor.
52.00	Top of Divide between White River and Running Water bears N. & S. and descend.
64.00	Cross Gulch, 10 lks. wide Course North and ascend.
79.78	Intersect N. & S. line, 12 lks. North of cor. to secs. 20-21-28-29 from which corner, I run N. 89° 55' W. on a true line between sections 20-29.
	Variation 16° 10' East.
39.89	Set a sand stone 12 x 6 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.78	The corner to sections 19-20-29-30.
	Land mountainous
	Soil 3 d. rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 16° East.
	Descend.
16.00	Cross low Sag and ascend.
22.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
79.03	Intersect W. B. of Tp. 22 lks. South of cor. to secs. 24-25-19-30 from which corner, I run S. 89° 51' E. on a true line, between Secs. 19-30
	Variation ~~15° 45'~~ 16° 00' East.
39.03	Set a sand stone 12 x 8 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.03	The corner to sections 19-20-29-30.
	Land mountainous.
	Soil 3 d. rate
	Vegetation Bunchgrass.
	Dec. 10th 1881

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 16° East.
	Ascend.
12.00	Top of Spur, bears E. & W. and descend.
27.00	Cross low Sag and ascend.
33.15	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
40.00	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the Ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
72.00	Cross Gulch, 36 lks. wide, Course West and ascend.
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 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d rate
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 16° 09' East.
	Ascend.
4.00	Top of Spur, bears N. & S. and descend.
10.00	Cross low Sag and ascend.
17.00	Top of Spur bears S. 20° E. & N. 20° W. and descend.
26.00	Cross Road, bears, N. 40° E. & S. 40° W.
30.10	Cross Gulch, 20 lks. wide, Course S. 30° E. and ascend.
33.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 Sec. cor. in low Sag and ascend.
48.00	Top of divide between White River and Running River bears N. 20° W. & S. 20° E. and descend.
79.93	Intersect N. & S. line, 10 lks W. of cor. to secs. 16-17-20-21 from which corner I run N. 89° 56' W. on a true line between sections 17-20 Variation ~~15° 40'~~ 16° 09' East.
39.97	Set a sand stone 14 x 8 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.93	The corner to sections 17-18-19-20.
	Land mountainous.
	Soil 3d rate
	Vegetation Bunchgrass.

53

Township 30 N. Range 5 E. 6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19. Variation 16° 9' East.
	Descend.
13.00	Cross Gulch, 25 lks. wide, course South ascend.
18.00	Top of Spur, bears N. 20° W. & S. 20° E descend.
24.50	Cross low Sag ascend.
39.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
78.88	Intersect W. B. of Sp. 12 lks. Width of cors to Secs. 18-19-13-24, from setstick corner, I run N. 89° 66' E. on a true line, between Secs. 18-19. Variation 16° 59' East.
38.88	Set a sand stone 10x6x7 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, drag pits, 18x18x12 ins. W. ast S. of stone 3½ ft. dist., and raised a mound of earth 9½ ft. high, 8½ ft. base.
78.88	The corners to Sections 17-18-19-20. Land mountainous. Soil 3d. rate Vegitation Bunchgrass.

Township 30 N. Range 5 E. 6th Principal Meridian.

54

Chains	North, between Sections 17 and 18. Variation 16° 9' East.
	Ascend.
8.00	Top of Spur, bears E. & W. and descend.
15.50	Cross low Sag and ascend.
20.50	Top of Divides between White River and Running Water bears E. & W. ast descend.
24.00	Cross Flat, bears E. & W.
40.00	Set a sand stone 12x9x6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, drag pits, 18x18x12 ins. E and W. of stone 3½ ft. dist., and raised a mound of earth 8½ ft. high, 8½ ft. base.
49.00	Leave Flat bears E. ast W. ast ascend
60.00	Top of Spur, bears E. ast W. ast descend.
78.67	Cross Road, bears, E. and W.
80.00	Set a sand stone 12x10x8 ins. 8 ins. in the ground for Cor. to Secs. 7-8-17-18 marked with 4 notches on E. & S notches on E. edge, drag pits, 18x18x12 ins, in mds Sec., 3½ ft. dist, and raised a mound of earth 2 ft. high 4½ ft. base. Land mountainous. Soil 3d. rate Vegitation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 16° East.
	Descend.
4.80	Cross low Sag and ascend.
10.00	Top of Spur, bears S. 15° E. & N. 15° W. and descend.
22.00	Cross low Sag and ascend.
27.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
63.00	Cross Gulch 12 lks. wide, Course N. and ascend.
80.08	Intersect N. & S. line 45 lks South of cor. to secs. 8-9-16-17 from which corner, I run S. 89° 41' W. on a true line between sections 8-17. Variation 16° 00' East.
40.04	Set a sand stone 11 x 9 x 7 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.08	The corner to sections 7-8-17-18.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 16° East.
	Over rolling land.
2.52	Cross Road, S. 80° E. & N. 80° W.
11.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
51.00	Cross low Sag and ascend.
74.50	Top of Spur, bears N. E. & S. W. and descend.
78.51	Intersect W. B. of Tp. 19 lks. N. of cor. to secs. 12-13-7-18 from which corner, I run N. 89° 52' E. on a true line between Secs. 7-18. Variation 16° 00' East.
38.51	Set a sand stone 10 x 8 x 8 ins. 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
78.51	The corner to sections 7-8-17-18.
	Land rolling.
	Soil 3d. rate.
	Vegetation Bunchgrass

57

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	North, between Sections 7 and 8 Variation 16° East.
	Descend.
7.90	Cross low Sag and ascend.
15.00	Top of Ridge, bears E. & W. and descend.
30.00	Cross Gulch, 20 lks. wide, bears S. 15° E. and ascend.
40.00	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, drug pits, 18 x 18 x 12 ins., E. & W. of stone 3 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
57.00	Top of Spur, bears E. & W. and descend.
72.55	Cross Road, from Ft. Laramie to Fort Robinsons bears N. 75° E. & S. 70° W.
80.00	Set a sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for cor. to Secs. 5-6-7-8. marked with 5 notches on S. & 5 notches on E. edges, drug pits, 18 x 18 x 12 ins. in mound Sec., 3 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. Land mountainous. Soil 3d. rate. Vegitation Bunchgrass.

Township 30 N. Range 55 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 30' East.
8.20	
~~82.00~~	Cross Road, from Ft. Laramie to Fort Robinsons bears N. 70° E. & S. 70° W.
21.60	Cross Gulch, 20 lks. wide, bears N. & S. and ascend.
26.60	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
62.00	Cross low Sag and ascend.
68.00	Top of Spur, bears N. & S. and descend.
80.13	Intersect N. & S. line 12 lks. S. of cor. to Secs. 4-5-8-9 from which corner, I run S. 89° 55' W. on a true line between Secs. 5-8. Variation 15° 30' East.
40.07	Set a sand stone 13 x 8 x 7 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on E. face, drug pits, 18 x 18 x 12 ins., W. and S. of stone 3 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.13	Wty corner to Sections 5-6-7-8. Land mountainous. Soil 3d. rate Vegitation Bunchgrass.

Township 30 N. Range 5 W. 6th Principal Meridian.

West, on a random line between Sections 6 and 7.

Variation 15° 30' East.

Chains	
	Ascend.
9.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
78.24	Intersect N. B. of Jk. 26 lks. South of cor. to secs. 6-7-1-12 from which corner, I run S. 89° 49' E. on a true line, between sections 6-7. Variation 15° 30' East.
38.24	Set a sand stone 12x8x6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18x18x12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
78.24	The corner to sections 5-6-7-8. Land, mountainous. Soil 3d. rate Vegetation Sagebrush and Bunchgrass.

Township 30 N. Range 5 W. 6th Principal Meridian.

North, on a random line between Sections 5 and 6.

Variation 15° 30' East.

Chains	
	Descend.
27.00	Cross Gulch, 20 lks. wide course S. 75° E. and ascend.
35.00	Top of Spur, bears E. & W. and descend.
40.00	Set temporary ¼ sec. cor.
80.18	Intersect N. B. of Jk. 17 lks. East of cor. to secs. 6-5-31-32 from which corner, I run S. 7° E. on a true line, between sections 5-6. Variation 15° 15' East.
40.18	Set a sand stone 14x9x7 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18x18x12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.18	The corner to sections 5-6-7-8. Land mountainous. Soil 2d. rate Vegetation Sagebrush and Bunchgrass. I carefully examined the adjustments of my solar compass to day particularly the latitude and reversing apparatus, and found them correct. Dec. 12th 1881

GENERAL DESCRIPTION.

The land in this Township is generally mountainous. The soil is 2d. & 3d. rate. The undergrowth consists of Bunch grass. The land is well adapted to grazing and Stock raising.

Towns

Chains

2.
7.0
20.0
25.0
35.0
40.

80.

U. S. Surveyor-General's Office.

Plattsmouth Nebr.

August 31st 1882

The foregoing Field Notes of the surveys of

Subdivision lines of Twp.
No. 30 N. R. 55 West of the
Principal Base and
Meridian

in the state of Nebraska *executed by*

M. F. Reilly

U. S. Deputy Surveyor, under his contract dated

September 22nd 1881

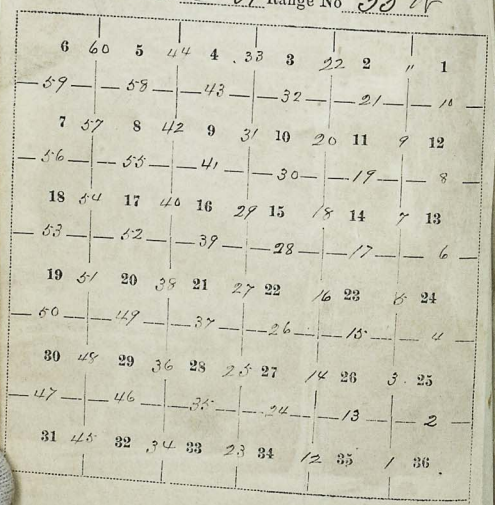
in the month of Dec.

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 Ia. & Nebr.

Town No. 31 N Range No. 55 W



Field Notes
of the
Survey of the Subdivisional Lines
and Meanderings of South extension
of
Township No. 31 N. of Base Line
&
Range No. 55 W. of the 6th P.M.
in the
State of Nebraska
as surveyed by
Geo. H. Fairfield
under his Contract
No. 13.
Dated Sept. 14th 1882

Survey Commenced June 12th 1883
Survey Completed June 1883

Survey commenced with Burts patent improved Solar Compass nearly new and in first rate condition made by W.T.S.E Gurley of Troy New York in 1880

Preliminary to commencing the survey I ran S. on a Blank line along the E. boundary of sec. 36 at 40.03 chains found the ¼ sec. cor and at 79.98 chs. found the cor. to Tps. 30 and 31 N. Rs. 54 and 55 W. which is a mound of rock 3½ ft. high 4½ ft. base with stone in mound marked with 6 notches on each edge Thence I ran West on a Blank Line on the South boundary of sec. 36

Var 15° W. E

Retracing sec pg 116

40.00 No ¼ cor. found

80.00 3.20 chs. N. of cor. to sect. 1, 2, 35, 36 which is a mound of Earth 1 foot high 2 ft. base with pits 18+18+12 in each sec 5½ ft. dist. no stake or stone. I therefore knowing the Tp. South having been subdivided set a sandstone 18+10+4 12 in old Mound marked with 1 notch on E. and 5 notches on W. edges and rebuilt mound from pits 18+18+12 in each sec. 5½ ft. dist and covered stone

Retracing of South Boundary

This line being so poorly built and the closings so far out of limit I deem it expedient to retrace the entire South boundary of this Tp and I continue my line West ~~[illegible] Sec. 35~~

20.00 Top high Mt. Ridge brs. N.W. & S.E and Desc. W. Slope

40.00 at a point 2.80 chs. N. of the 1/4 sec. cor. which is a stone 14+7+7½ marked 1/4 on N. face with mound of Earth 1½ ft. high and 3½ ft. base and pits 18+18+12½ E. and W. of stone 5½ ft. dist.

61.00 Canon 50 ft. deep foot W. slope and Asc. E. slope

70.00 Top Mts. ridge brs. N.W. & S.E

80.00 To a point 3.46 ch. N. of cor to secs. 2. 3. 34 and 35 which is a mound of stone 3½ ft. high 4½ ft. base with sandstone 20+8+8½ in centre of mound with 2 notches on E. and 4 notches on W. edges built on barren rock. dist.

no pits

I continue my line West in Sec 34

20.00 Foot of W. slope from Mt. spur ~~and~~ Dry bed White River Desc. N.E.

21.44 Station on Railroad Survey no. 8928 stands 30 ft. N. of my line and a bench mark elevation 3476.081 marked on Bench peg.

22.50 Leave flat and Asc. E. slope Mt. spur

40.20 To a point 2.08 chs. N. of 1/4 sec. cor. which is a mound of Earth 1 foot high 2½ ft. base with pits 18+18+12½ E. and W. of centre of Mound 5½ ft. dist. No. stake or stone. I therefore set a sandstone 14+10+4½ marked 1/4 on N. face in centre of Mound

76.54 Ft. Laramie and Ft. Robinson wagon road brs. N.E. and S.W.

80.10 To a point 1.40 chs. N. of the cor. to secs. 3. 4. 33 and 34 which is a Mound of Earth 2 ft. high 4½ ft. base with pits 18+18+12½ in each sec. 5½ ft. dist. neither stake or stone. I therefore set a sandstone 19+10+7½ in old mound marked with

Retracing of South Boundary

3 notches on E. & W. edges of stone and covered the stone with Earth.

Thence I continue my line West on [illegible] line of sec. 33.

31.00 Drain Desc. N.W. 30 ft. deep

40.18 To a point 1.38 chs. N. of 1/4 sec. cor. which is a mound of Earth 1 ft. high 2 ft. base with pits 18+18+12 in. E. and W. of Mound 5 1/2 ft. dist. no stake or stone I therefore set a Sandstone 14+9+5 in. marked 1/4 on N. face in old Mound and covered the stone with Earth

Thence Continued my line West

50.00 Drain 30 ft. deep Desc. N.W

60.00 Drain 50 ft. deep Desc. N.W

76.00 Drain 60 ft. deep Desc. N.W

80.00 To a point 1.48 chs. N. of ~~of~~ cor. to secs. 4. 5. 32 and 33. which is a mound of Earth 2 ft. high 4 1/2 ft. base with pits 18+18+12 in. in each sec. 5 1/2 ft. dist. from centre of mound no stake or stone

I therefore set a Sandstone 20+6+6 in. marked with 4 notches on E. and 2 notches on W. edges in centre of mound and covered stone with Earth

Thence I Continue my line West on S. Boundary line of Sec. 32

24.00 Rocky Canon 60 ft. deep Desc. N.E

40.00 Top Mt. spur 100 feet high 1/4 cor. stands 80 lks. South of my line which is a mound of Earth 1 foot high 2 ft. base with pits 18+18+12 in. E. and W. of centre of Mound 5 1/2 ft. dist. no stake or stone I therefore set a Sandstone 11+8+6 in. marked 1/4 on N face in centre of old mound and covered it with Earth

79.90 To a point 60 lks. N. of the cor. to secs. 5. 6. 31 & 32 which is a mound of Earth 2 ft. high 4 1/2 ft. base with pits 18+18+12 in. in each sec. 5 1/2 ft. dist. from centre of Mound no stake or stone in mound I therefore set a Sandstone 16+9+5 in.

Retracing of South Boundary

3 notches on E. & W. edges of stone and covered the stone with Earth.

Thence I continue my line West on S. Boundary line of sec. 33.

31.00 Drain Desc. N.W. 30 ft. deep

40.18 To a point 1.38 chs. N. of 1/4 sec. cor. which is a mound of Earth 1 ft. high 2 ft. base with pits 18+18+12 in. E. and W. of Mound 5 1/2 ft. dist. no stake or stone I therefore set a Sandstone 14+9+5 in. marked 1/4 on N. face in old Mound and covered the stone with Earth

Thence Continued my line West

50.00 Drain 30 ft. deep Desc. N.W

60.00 Drain 50 ft. deep Desc. N.W

76.00 Drain 60 ft. deep Desc. N.W

80.00 To a point 1.48 chs. N. of ~~of~~ cor. to secs. 4. 5. 32 and 33. which is a mound of Earth 2 ft. high 4 1/2 ft. base with pits 18+18+12 in. in each sec. 5 1/2 ft. dist. from centre of mound no stake or stone I therefore set a Sandstone 20+6+6 in. marked with 4 notches on E. and 2 notches on W. edges in centre of mound and covered stone with Earth

Thence I Continue my line West on S. Boundary line of sec. 32

24.00 Rocky Canon 60 ft. deep Desc. N.E

40.00 Top Mt. spur 100 feet high 1/4 cor. stands 80 lks. South of my line which is a mound of Earth 1 foot high 2 ft. base with pits 18+18+12 in. E. and W. of centre of Mound 5 1/2 ft. dist. no stake or stone I therefore set a Sandstone 11+8+6 in. marked 1/4 on N. face in centre of old mound and covered it with Earth

79.90 To a point 60 lks. N. of the cor. to secs. 5. 6. 31 & 32 which is a mound of Earth 2 ft. high 4 1/2 ft. base with pits 18+18+12 in. in each sec. 5 1/2 ft. dist. from centre of Mound no stake or stone in mound I therefore set a Sandstone 16+9+5 in.

Retracing of South Boundary

marked with 5 notches on E and 1 notch on W. edges in centre old mound and covered with Earth

Thence I continue my line West [illegible] Sec 31.

20.00 Foot Stoney Ridge 100 ft high bt. N. 18 W and Ass.

35.00 Top Mts Spur. from N.W. 5 dist.

40.00 To a point 38 lks. North of the 1/4 sec. cor. which is a mound of Earth 1 ft. high 2 1/2 ft. base with pits 18+18+12 in. E and W. of centre of mound 5 1/2 ft. dist no stake or stone in pit or mound. I therefore set a Sandstone 14+7+6 in. marked 1/4 on N. face in centre of old mound and covered stone with Earth Foot W slope

78.40 To a point 18 lks. N of cor. to Tps. 30 & 31 N. Rs. 55 and 56 W. which is a mound of Earth 1 foot high and 4 1/2 ft. base with pits 18+18+12 in. in each sec. 6 ft. dist from centre of Mound No Stake or stone and pits should be dug N. S. E and W of cor. I therefore set a Sandstone 24+8+8 in. 18 in. in old mound. marked

T. 31. N on N. E

R. 55. W. on S. E

T. 30. N. on S. W

R. 56. W. on N. W faces with 6. notches on N. S. E and W edges and dug pits 24+18+12 in. N. S. E and W. of stone 6 ft. dist and raised a mound of Earth 3 ft. high 5 1/2 ft. base alongside

Survey commenced
With Gurleys Salar Compass
June 12th 1883

Subdivisions T. 31. N

From the cor. to secs. 35 and 36 on South boundary of Township 31. N. R. 55. W. I run
North bet. secs. 35 & 36
Var. 15°. 30'. E

Desc. along E. slope Mt. spur.
38.00 Canon 100 ft. deep desc. N
43.20 Set a Sandstone 18+10+7 in. 13 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N and S. of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
55.00 Canon Brs. to N. E. & Asc. S. slope
70.00 Top Mt. Brakes brs. E. & W. & enter table Land on top Mt.
83.20 Set a Sandstone 36+14+5 in. 27 in. in the ground for cor. to secs. 25. 26. 35. & 36 marked T. 31. N. on W. R. 55. W. on S. faces with 1 notch on S. and E. faces and dug pits 18+18+12 in. in each sec. 5 1/2 ft. dist. and raised a

Range 55. W. cont.

mound of Earth 2 ft. high and 4 1/2 ft. base alongside

Land Broken Stoney Mt. spurs
Soil Sandy & Stoney 4th rate
Mountaines 70. chaines

East. on a Random Line
bet. secs. 25. & 36
Var. 15°. 30'. E

2.00 Desc. E. slope Mt. range
8.00 Foot E. slope Enter brush & timber
14.30 White River 13 lks. wide 1 1/2 ft. deep rapid current course S. E.
32.00 Leave brush & Timber brs. N. W. and S. E. & Asc. W. slope
35.00 Top. slope enter table Land brs. N. W. & S. E.
38.25 Wagon Road N. W. & S. E.
45.00 Set temp. 1/4 sec. cor.
30 ft. North of this cor. is Rail Road survey up the valley and station 9670. stands 30 ft. west and 30 ft. North of temporary 1/4 sec. cor.

Subdivisions T. 31. N

68.00	Asc. S.W. slope Mt. spur from the N.W. 300 ft. high
75.00	Top Mt. spur from the N.W.
80.40	Intersected E. boundary of Tke. 38 lks. N. of cor. to secs. 25. 30. 31 and 36 which is a mound of stone 2 ft. high 4½ ft. base with a Sandstone 20 + 6 + 6 in. set in centre of mound marked with 5 notches on N. and 1 notch on S. edges and
	Thence I run
	N. 89° 44' W. on a true line bet. secs. 25. 36 with same bar.
40.20	Set a Sandstone 24 + 10 + 6 in. 18 in. in the ground for ¼ sec. cor. marked ¼ on N. face dug pits 18 + 18 + 12 in. E and W. of stone 6½ ft. dist. and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside
80.40	Cor. to secs. 25. 26. 35 and 36.
	Land valley & Mts. 1st & 4th rate soil
	Timber Willow & Box Elder 24 chaines
	Mountains 13 chaines

Range 55 W. cont.

	North bet. secs. 25. 26
	Var. 15° 30' E
1.00	Desc. N. slope Mt. spur
8.00	Foot N. slope enter low valley covered with brush and timber
16.50	Old wagon road brs. N.W. & S.E.
23.75	White River 15 lks. wide ½ ft. deep course S.E.
35.00	Rail Road Survey brs. N.W. & S.E.
38.00	Leave brush & valley ust. S. slope high Mt. Range
40.00	Cut a cross on barren sand rock Set a Sandstone 23. 18 + 6 in. for ¼ sec. cor. marked ¼ on W. face and raised a mound of stone 2 ft. high and 4½ ft. base around stone
43.00	perpendicular cliff sand rock 50 ft. high brs. N.W. & S.E.
50.00	Top Mt. spur brs. N.W. & S.E. & ast.
65.00	Top Mountain range brs. N.W. & S.E. 500 ft. above creek level
80.00	Set a Sandstone 20 + 10 + 6 in. 15 in. in the ground for cor. to secs. 23. 24. 25. 26 marked with 2 notches on S. and 1 notch

Subdivisions T. 37. N. Range 55. W. cont.

on E. edges and dug pits 18+18+12 in each sec. 5½ ft. dist and raised a mound of Earth 2 ft. high and 4½ ft. base alongside

Land Valley and Mountains Soil 1st and 4th rate

Timber willow & Box Elder 30. chains
Mountains 27 chains

East on a Random line bet. sect. 24 & 25.
Var. 15°.30'. E

1.00 Dest. E. slope to Canon
5.00 Canon Dest. S.E. and Ac. W. slope
12.00 Top Mt. spur from N.W. & Dest.
25.00 Deep Canon S.E. and Asc. W. slope high Mt. range enter
Pine timber along side Mt.
34.00 Leave timber N.E.S.
39.50 Top. Mt. Range 400 ft. high bro. N.W. & S.E.

40.00 Set temporary ¼ sec. cor.
45.00 Dest. E. slope Mountain Range
60.00 Canon 250 ft. deep course S.E. and Asc. W. slope Mt. spur
75.00 Top. Mt. spur from main range on the North and run along S. slope of high Mt. range on the North.
80.56 Intersected E. boundary of Tps. 42. lks. S. of cor. to sect. 19. 24. 25. 30. which is a mound of stone 2 ft. high and 4½ ft. base with a Sandstone 24+8+6 marked with 2 notches on S. and 4 notches on N. edges set in centre of mound
Thence I run
S. 89°.42'. W on a true line bet. sect. 24 & 25 with same va.
40.~~23~~ 28 Set a Sandstone 26+12+6 20 in the ground for ¼ sec. cor. marked ¼ on N. face dug pits 18+18+12 E and W. of stone 5½ ft. dist and raised a mound of

Subdivisions T. 31. N.

Earth 1½ ft. high and 3½ ft. base alongside

80.56 Cor. to secs. 23. 24. 25 and 26

Land Broken Mountains
Soil 4th rate worthless
Timber Pine and cedar. 9. chains
Mountains peaks & spurs. ~~80~~ chs.
79.56

North bet. secs. 23 & 24
Var. 10°.30'.E

20.00 Desc. N. slope Mt. range
33.00 Head Canon 200 ft. deep. Desc. S.E. & asc. S. slope Mt. spur.
38.00 Top. Mt. spur from S.W.
40.00 In head Grassy drain 50 ft. below Mt. spur. Set a Sandstone 14+12+6½ 10in in the ground for ¼ sec. cor. marked ¼ on W. face and dug pits 18+18+12in N. & S. of stone 5½ ft. dist. and raised a mound of Earth

Range 55. W. cont.

1½ ft. high and 3½ ft. base alongside

80.00 Set a Sandstone 21+11+6½ 18in in the ground for cor. to secs. 13. 14. 23 & 24 marked with 3 notches on the S. and 1 notch on E. edges. and dug pits 18+18+12in in each sec. 5½ ft. dist. and raised a mound of Earth 2 ft. high and 4½ ft. base alongside

Land Broken & High Prairie
Soil 3rd & 4th rate stoney
Mountains 18 chains

East on a Random Line
bet. secs. 13 & 24
Var. 15°.30'.E

20.00 Desc. E. slope Mt. ridge
25.00 Canon 100 ft. deep course S.E. & asc. W. slope Mt. covered with dense grove pine timber
34.00 Top W. slope Mt. spur bt. N.W. & S.E. Leave timber

Subdivisions T. 31. N. — Range 55. W. cont.

40.00	Set temp. 1/4 sec. cor.
45.00	Dest. E. slope Mt. spur
61.00	Canon 100 ft. deep dest. S.E. & Ast. W. slope Sct. pine
70.00	Top W. slope Mt. spur. brs. N.W. & S.E. inter Prairie flat on top Mountain
80.36	Intersected E. boundary Township 31 lks. North of cor. to sect. 13.18.19 & 24 which is a Sandstone 21+8+7 in. with mound of stone 2 ft. high and 4 1/2 ft. base alongside marked 3 notches on N. & S. edges
40.18	Flower Sign N. 89°17' W. on a line lies bet. sect. 13 & 24 with same Lap. Set a Sandstone 18+12+5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face and dug pits 18+18+12 in. E and W. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.36	Cor. to sect. 13.14.23 & 24

	Land Broken Mts. & High Prairie Flats soil 3rd & 4th rate
	Timber Pine 9 chaines
	Mountains ~~49~~ 41 chaines
	North bet. sect. 13.1.14 Var. 15°.30'. E
13.00	Dest. N. slope stoney Mt. spur
18.00	Canon 110 ft. deep course S.E. scattering Pine along canon and Ast. S. slope
21.00	Top S. slope Mt. divide brs. E. & W.
40.00	Set a Sandstone 20+10+7 in. 15 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N. & S. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
77.00	Ravine 50 ft. deep Course S.E. scattering pine along ravine

Subdivisions T. 31. N

80.00 Set a Sandstone 18+10+7 in 12 in the ground for cor to sec. 11.12.13 & 14 marked with 4 notches on S. and 1 notches on E. edges dug pits 18+18+12 in each sec. 5½ ft dist and raised a mound of Earth 2 ft high and 4½ ft base alongside

Land Broken Mts & High Rolling Prairie
Soil 3 & 4th rate
Mountains 8, chaines

East on a random line bet. sec. 12.1.13
Var. 15° 30. E

40.00 Set temp. ¼ sec. cor.
80.24 Intersected E. Boundary of Tps. 26. lks. S. of the cor. to sec. 7.12.13 & 18 which is a Sandstone 6 in above

Range 55. W cont.

ground marked with 4 notches on S. and 2 notches on N. edges with pits 18+18+12 in each sec. 5½ ft dist and mound of Earth 2 ft high and 4½ ft base alongside
Thence I run
S. 89° 49' W on true line bet sec. 12 and 13 with same Va.
40.12 Set a Sandstone 16+10+5 in 12 in in the ground for ¼ sec. cor. marked ¼ on N. face and dug pits 18+18+12 in E and W of stone 5½ ft dist and raised a mound of Earth 1½ ft high and 3½ ft base alongside
80.24 Cor. to sec. 11.12.13 and 14

Land High Rolling Prairie
Soil 3rd rate

I carefully examined the adjustment of my Solar Compass today particularly the Latitude and reversing apperatus and found them to be correct.

Subdivisions T. 31. N

North bet secs. 11. & 12
Var. 15°. 30'. E

21.00 Drain 30 ft. deep course S.W
33.00 Drain 30 ft. deep course S.E
40.00 Set a Sandstone 16+11+4 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N and S. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
51.00 Drain 10 ft. deep desc. S.W
66.00 Drain 10 ft. deep desc. S.E
80.00 Set a Sandstone 22+9+5 in. 16 in. in the ground for cor. to secs. 1. 2. 11 & 12 marked with 5 notches on S. and 1 notch on E. edges dug pits 18+18+12 in. in each sec. 5 1/2 ft. dist and raised a mound of Earth 2 ft. high and 4 1/2 ft. base alongside
Land High rolling Prairie
Soil 3rd rate
June 13th 1883

Range 55 W. Cont.

East on a Random line bet. secs. 1 and 12
Var. 15°. 30'. E

16.00 Drain 20 ft. deep. desc. N.E
40.00 Set temp. 1/4 sec. cor.
80.34 Intersected E. Boundary of Tp. 47 the N. of cor. to secs. 1. 6. 7 and 12. which is a Sandstone 12+5 in. 6 in. above ground marked with 5 notches on S. and 1 notch on N. edges and pits 18+18+12 in. in each sec. 5 1/2 ft. dist and mound of Earth 2 ft. high and 4 1/2 ft. base alongside Thence I ran N. 89°40' W. on true line bet. secs. 1. & 12 with same Var.
40.17 Set a Sandstone 18+11+6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18+18+12 in. E and W. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.34 Cor. to secs. 1. 2. 11 and 12
Land High Rolling Prairie
Soil 3rd rate

Subdivisions T. 31. N.

North on a Random line
bet. sect. 1 & 2
Var. 15°. 30'. E
Over Rolling Prairie
40.00 Set temp. 1/4 sec. cor.
75.00 Drain 30 ft. deep Course E.
80.27 Intersected N. boundary
Tps. 27. lks. E. of cor. to sect.
1. 2. 35. & 36
Thence I run
S. 0. 12'. E on a true line bet
sect. 1 and 2 with same Var.
40.27 Set a Sandstone 19+11+5 in 15 in
the ground for 1/4 sec. cor.
marked 1/4 on W. face and
dug pits 18+18+12 in N and
S. of Stone 5 1/2 ft. dist and
raised a mound of Earth
1 1/2 ft. high and 3 1/2 ft. base alongside
80.27 Cor. to sect. 1. 2. 11 and 12

Land High Rolling Prairie
Soil 3rd rate.

Range 55 W. Cont.

From Cor. to sect. 2. 3. 34 and 35
on South Boundary of Tps. 31. N.
Rgs. 55. W. I ran
North bet. sect. 34 and 35
Var. 15°. 30'. E
43.46 Set a Sandstone 19+10+6 in 14 in
in the ground for 1/4 sec. cor.
marked 1/4 on W. face dug
pits 18+18+12 in N and S. of Stone
5 1/2 ft. dist and raised a mound
of Earth 1 1/2 ft. high 3 1/2 ft. base alongside
44.00 Dest. N. slope Mt.
51.00 Foot N. Slope Mt. range bt. N.E. & S.W.
83.46 Set a Sandstone 15+12+5 in 10 in
in the ground for cor. to sect.
26. 27. 34. & 35 marked with
1 notch on S. and 2 notches
on E. edges. dug pits 18+18+12 in
in each sec. 5 1/2 ft. dist and
raised a mound of Earth
2 ft. high and 4 1/2 ft. base alongside

Land high Prairie & Stoney Mts.
Soil 3rd & 4th rate
Mountains 7 chaines

Subdivisions T. 31. N

	East on a Random line bet sect. 26. & 35 Var. 15°. 30' E.
12.00	Asc. W. slope Mt. spur
18.00	Top Mt. spur from the south
25.00	Desc. E. slope Mt. spur
34.00	Foot E. slope Mt. enter valley N. & S
40.00	Set temporary 1/4 sec. cor
44.00	Asc. W. slope Mt. range
54.00	Top Mt. range bt. N. E. & S. W 400 ft. high
80.08	Intersected N. and S. line 36 lks. N. of cor. to sect. 25. 26 35 and 36 Thence I run N. 89°. 45'. W. on a true line bet. sect. 26 and 35 Var. 15° 30' E
40.04	Set a Sandstone 13+12+5 in. 8 in. in the ground for 1/4 sec. Cor. marked 1/4 on N. face dug pits 18+18+12 in. E and W of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.08	Corner to Secs. 26. 27. 34 & 35. Land Mts. & Broken Soil 4th rate Mountains 25. chaines

Range 55. W. Cont.

	North bet. sect. 26. & 27 Var. 15°. 30'. E
9.00	old Wagon road bt. N. E. & S. W
13.00	White River 10 lks. wide 1 ft. deep. E
21.00	Asc. S. slope Mt. ridge
30.00	Top Mt. range from the W. 500 ft. high
40.00	Set a Sandstone 16+11+5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N and S. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
54.00	Asc. Sandstone peak 100 ft. high
57.00	Top round peak and desc. N. slope
64.00	Foot N. slope Mt. range from the West Canon 100 ft. deep N. E
74.00	Asc. S. E. slope Mt. from the S. W
79.00	Top Mt. spur bt. N. E. & S. W
80.00	Set a Sandstone 18+12+6 in. 12 in. in the ground for cor. to sect. 22. 23. 26 & 27 marked with 2 notches on S and E. edges dug pits 18+18+12 in. in

Subdivisions T. 31. N — Range 55. W. Cont

each sec. 5½ ft. dist and raised a mound of Earth 2 ft. high and 1½ ft. base alongside

Land Broken & Mts 4th rate
Mountains 24. Chaines

East on a Random line
oct. secs 23. & 26
Var. 15°30. E

3.00 Dest. E. slope Mt. Range br. N.W. & S.E
12.00 Foot E. slope Mt. inter short valley
17.00 Creek 6 lks wide 4 deep S.E.
20.00 Ast. W. slope high Mt. spur
30.00 Top high Mt. spur from the North 200 ft. high inter flat on Mt.
45.00 Set a Sandstone for temp. ¼ cor.
41.00 Dest. E slope Mt. spur
49.00 Foot E slope Mt. spur inter short valley
54.00 Ravine 20 ft. deep course S.W
60.00 Ast. W. slope Mt. ridge 200 ft. high
71.00 Top Mt. Range br. N.W. & S.E

80.14 Intersected N. and S. line 28 lks. S. of cor. to secs 23. 24. 25 & 26
Thence I run
S. 89°48' W on a true line
bet. secs 23 and 26 with same Var.
40.07 Set a Sandstone 17+11+5 12 in the ground for ¼ sec. cor. marked ¼ on N. face and dug pits 18+18+12 E. and W. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside
80.14 Cor. to secs 22. 23. 26 and 27

Land Mts. and Valleys.
Soil 3rd & 4th rate stoney
Mountains 38. Chaines

Subdivisions T. 31. N

North bet. sect. 22 and 23
Var. 15° 30' E
From cor. descend N.E. slope Mt.
18.00 Foot N.E. slope Mt. range 200 ft. high
18.50 Creek 4 lks. wide 4 ft. deep course S.E.
21.00 Drain dist. S.E.
24.00 Same drain dist. S.W.
25.00 Ast. S. slope Mt. range 250 ft. high
37.00 Top Mt. range bet. N.W. & S.E. and enter Prairie flat on Mts.
40.00 Set a Sandstone 12+12+5 in. 9 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N and S. of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.00 Set a Sandstone 18+12+8 in. 12 in. in the ground for cor. to sect. 14. 15. 22 and 23 marked with 3 notches on S. and 2 notches on E. edges and dug pits 18+18+12 in. in each sec. 5 1/2 ft. dist. and raised a mound of Earth 2 ft. high and 4 1/2 ft. base alongside

Range 55. W. cont.

Broken and Rolling Land
Soil 3rd & 4 rate stoney
Mountains 30. chains

East on a Random line
bet. sect. 14. & 23
Var. 15, 30' E
40.00 Set temp. 1/4 sec. cor.
79.82 Intersected N and S. line 9 lks. S. of cor. to sect. 13. 14. 23 & 24
Thence I run.
S. 89° 56' W. on a true line bet. sect. 14 and 23 with same Var.
39.91 Set a Sandstone 17+10+6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face and dug pits 18+18+12 in. E and W. of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
79.82 Cor. to sect. 14. 15. 22 & 23
Land High Rolling Prairie
Soil 3rd rate

Subdivisions T. 31. N

North bet. sect. 14 & 15
Var. 15° 30' E

40.00 Set a Sandstone 14+10+7½ 10½ in the ground for ¼ sec. cor. marked ¼ on W. face dug pits 18+18+12½ N and S. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside

60.00 Drain 20 ft. deep course S. E.

80.00 Set a Sandstone 18+9+4½ 12½ in the ground for cor. to sect. 10. 11. 14 and 15 marked with 4 notches on the S. and 2 notches on E. edges dug pits 18+18+12½ in each sec. 5½ ft. dist and raised a mound of Earth 2 ft. high and 4½ ft. base alongside

Land Rolling Prairie
Soil 3rd rate

Range 55. W. cont.

East on a Random line bet. sect. 11. 8. 14
Var. 15° 30' E

40.00 Set temp. ¼ sec. cor.

72.00 Drain 50 ft. deep course S. E.

79.68 Intersected N and S. line 21 lks. S. of cor. to sect. 11. 12. 13 and 14
Thence I run
S. 89° 51' W. on a true line bet. sect. 11. 8. 14 with same Var.

39.84 Set a Sandstone 19+9+6½ 14½ in the ground for ¼ sec. cor. marked ¼ on N. face dug pits 18+18+12½ E. and W. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside

79.68 Cor. to sect. 10. 11. 14 and 15

Land Rolling Prairie
Soil 3rd rate

June 14th 1883

Subdivisions T. 31. N

North bet. sect. 10 and 11
Var. 15°30' E

40.00 Set a Sandstone 18+8+5½ 12" in the ground for ¼ sec. cor marked ¼ on W. face dug pits 18+18+12" N. and S. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside

80.00 Set a Sandstone 16+8+6½ 12" in the ground for Cor. to sect. 2. 3. 10. & 11 marked with 3 notches on the S. and 2 notch on East edges dug pits 18+18+12" in each sec. 5½ ft. dist and raised a mound of Earth 2 ft. high and 4½ ft. base alongside

Land Rolling Prairie
Soil 3rd rate

Range 55. W. cont.

East on a Random line bet. sect. 2 and 11.
Var 15° 30' E

40.00 Set temp ¼ sec. cor

80.18 Intersected N and S. line 33 lks. N. of cor. to sect. 1. 2. 11 and 12
Thence I run
N. 89°46' W. on a true line bet. sect. 2 and 11. with same Var.

40.09 Set a Sandstone 13+12+4½ 9" in the ground for ¼ sec. cor marked ¼ on N. face dug pits 18+18+12" E. and W. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside

80.18 Cor. to sect. 2. 3. 10 and 11

Land Rolling Prairie
Soil 3rd rate

Subdivisions T. 31. N

North on a Random line
bet. sect. 2.5.3
Var. 15° 30' E
4.00 Set temp 1/4 sec. cor
79.96 Intersected N. boundary of
Tps. 19 lks. E. of cor. to sect.
2. 3. 34 and 35
Thence I run
S. 0° 8' E on a true line bet.
sect. 2 and 3 with same Var.
39.96 Set a Sandstone 17+11+4½ 12"
in the ground for 1/4 sec. cor.
marked 1/4 on W. face and dug
pits 18+18+12" N. and S. of
stone 5½ ft. dist and raised
a mound of Earth 1½ ft. high
and 3½ ft. base alongside
79.96 Cor. to sect. 2. 3. 10 and 11.

Land Rolling Prairie
Soil 3rd rate.

Range 55. W. Cont.

From the cor. to sect. 3. 4. 33 & 34
on S. boundary of Tp. 31. N. R. 55 W
I run
North bet. sect. 33 and 34
Var. 15° 30' E
From cor. dist. along E. slope Mt.
15.00 Foot N.E. slope Mt. 150 ft. high
41.40 Set a Sandstone 16+10+6½ 12"
in the ground for 1/4 sec. cor. marked
1/4 on W. face dug pits 18+18+12"
N. and S. of stone 5½ ft. dist and
raised a mound of Earth 1½ ft.
high and 3½ ft. base alongside
81.40 Set a Sandstone 18+7+6½ 12" in the ground
for cor. to sect. 27. 28. 33 and 34 marked
S. 27 on N.E. R. 55. W. S. 34 on S.E. S. 33. on
S.W. T. 31. N. S. 28 on N.W. with 1 notch
on S. and 3 notches on E. edges dug
pits 18+18+12" in each sec. 5½ ft. dist
and raised a mound of Earth 2 ft.
high and 4½ ft. base alongside

Land Broken stony 4th rate
Mountains 15 Chains

Subdivisions T. 31. N

East on a Random line bet. sect. 27 and 34
Var. 15°. 30'. E

25.00 Top Sandstone peak 50 ft. high & dist.
33.00 Foot Mt. range br. N.W. & S.E. & ast.
40.00 Top Mt. spur from the S. br. N. & S. 200 ft. high dist. set temp 1/4 cor.
49.00 Foot E. slope Mt. Spur & ast.
55.00 Top Mt. spur from the South 300 ft. high and dist. E. slope
62.00 Foot E. slope Mt. Spur enter valley
64.00 Wagon road br. N.E. & S.W.
79.88 Intersected N. and S. line 42 lks. S. of cor. to sect. 26. 27. 34 and 35
Thence I run
S. 89°. 42'. W. on a true line bet. sect. 27 and 34 with same var.
39.94 Set a Sandstone 23+14+5 in. 18 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18+18+12 in. E. and W. of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
7988 Corner to Secs. 27-28-33 & 34
Land Broken Mts. 4th rate stoney
Mountains 37 chaines

Range 55. W. Cont.

North bet. sect. 27 and 28
Var. 15°. 30'. E
Over Rough broken Mts. Peaks
19.00 Springs head White River 100 ch. E
22.00 Deep canon S.E. 100 ft. deep & ast.
28.00 Top steep E. slope Mt. range over broken Sandstone peaks
40.00 Set a Sandstone 16+10+6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside.
57.00 Top round Sandstone peak 50 ft. high
80.00 Set a Sandstone 18+13+8 in. 12 in. in the ground for cor. to sect. 21. 22. 27 and 28 marked with 2 notches on the S. and 3 notches on E. edges dug pits 18+18+12 in. in each sec. 5 1/2 ft. dist. and raised a mound of Earth 2 ft. high and 4 1/2 ft. base alongside

Land Broken Mts. stoney Peaks
Soil 4th rate
Mountains 80 chaines

Subdivisions T. 31 N.

East on a Random line bet. sec. 22 and 27.
Var. 15°.30'. E
over Broken stoney Mts. peaks.
19.50 Canon 100 ft. deep dest. S. and Asc.
25.00 Top. N. slope Mt. spur from the N.W. and Prairie flat
40.00 Set temporary 1/4 sec. Cor.
77.72 Intersected N. and S. line 17 lks. N. of cor. to sec. 22. 23. 26 and 27
Thence I run
N. 89°.53'. W on a true line bet. sec. 22 and 27 with same Var.
39.86 Set a Sandstone 14+12+7 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18+18+12 in. E and W. of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
79.72 Cor. to sec. 21. 22. 27 and 28

Land Mts. & Rolling Prairie
Soil 3rd and 4th rate stoney

Mountains 25. chains

Range 55. W. cont.

North bet. sec. 21. & 22
Var. 15°.30'. E
over Broken Mt. spurs.
12.00 Sandstone peak 50 ft. high
25.30 Canon 150 ft. deep and Asc. S. slope
30.00 Top S. slope Mt. Divide enter Rolling Prairie bro. N.W. & S.E.
40.00 Set a Sandstone 18+7+6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N. and S. of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.00 Set a Sandstone 19+8+5 in. 14 in. in the ground for cor. to sec. 15. 16. 21. & 22 marked with 3 notches on S. and E. edges dug pits 18+18+12 in. in each sec. 5 1/2 ft. dist. and raised a mound of Earth 2 ft. high and 4 1/2 ft. base alongside

Land Mts. & Prairie
Soil 3rd and 4th rate
Mountains 30. chains

Subdivisions T. 31. N

East on a Random line bet. sect. 15 and 22
Var. 15°. 30'. E

15.00 Dest. N.E. slope Mt. divide
20.40 Canon 200 ft. deep course S.E. and Ast. S.W. slope
30.00 Top Mt. divide bet. N.W. & S.E. and enter Prairie
40.00 Set temp. 1/4 sec. cor
80.22 Intersected N and S. line 34 lks. N. of cor. to sect. 14. 15. 22 and 23
Thence I run
N. 89° ~~55~~ 45' W on a true line bet. sect. 15 and 22 with same Var.
40.11 Set a Sandstone 15+9+6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. E. and W. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.22 The cor to sec 15, 16, 21, 22
Land Broken and Rolling
Soil 3rd and 4th rate
Mountains 15.00 Chaines

Range 55. W. cont

North bet. sect. 15 and 16
Var. 15°. 30'. E

4.00 Enter broken Mt. ridges bet. N.W. & S.E.
9.20 Mt. Canon 200 ft. deep course S.E. enter heavy Pine timber.
21.50 Pine tree 8 in. in dia. on line
40.00 Set a Sandstone 17+11+4 in. 13 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face from which a Pine tree 7 in. in dia. bet. N. 40°. 21'. E 328 lks. dist marked B.T. and dug pits 18+18+12 in. N. and S. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
71.00 Canon 100 ft. deep S.W. leave Pine timber in canon. scattering pine along line
80.00 Set a Sandstone 20+9+5 in. 15 in. in the ground for cor. to sect. 9. 10. 15 and 16 marked with 4 notches on the S. and 3 notches on the E. edges dug pits 18+18+12 in. in each sec. 5 1/2 ft. dist and

Subdivisions T. 31. N.

raised a mound of Earth 2 ft high and 4½ ft base alongside

Land stoney & Mts.
Soil 4th rate
Timber Pine & Cedar 61.80 chaines
Mountains 76. chaines

East on a Random line bet sect. 10 & 15
Var. 15°. 30'. E
over Broken stoney Mts. spurs
7.00 Canon 100 ft deep course S.W. and Ast. along S.W. slope
20.00 Top S.W. slope Mt. divide bt. N.W. & S.E. over stoney spurs
40.00 Set temp ¼ sec. cor.
57.00 Deep Canon course S.E. Scat Pine timber along canon & Ast.
62.00 Top slope to Canon enter Prairie
80 38 Intersected N. and S. line 16 lks. S. of cor. to sect. 10. 14 14 and 15
Thence I run
S. 89°. 53'. W on a true line bet.

Range 55, W. Cont.

sect. 10 and 15 with same Var.
40.19 Set a Sandstone 19+12+5 in 14 in the ground for ¼ sec. cor. marked ¼ on N. face dug pits 18+18+12 in E. and W. of stone 5½ ft dist and raised a mound of Earth 1½ ft high and 3½ ft base alongside
80.38 Cor. to sect. 9. 10. 15 and 16
Land Broken Mts. stoney
Soil 4th rate
Mountains 62. Chaines

North bet. sect. 9 and 10
Descend Var. 15°. 30'. E
12.00 Deep canon Desc. S.E. over Broken Mt. spurs. and short canons desc. E.
40.00 Set a Sandstone 14+12+7 in 10 in the ground for ¼ sec cor. marked ¼ on W. face dug pits 18+18+12 in N and S. of stone 5½ ft dist and raised a mound of Earth 1½ ft high

Subdivisions T. 31. N.

	and 3½ ft. base alongside
48.00	Canon 150 ft. deep brs. S.E.T. ast.
65.00	Top Mt. Divide brs. N.W.T.S.E.
	enter Rolling high Prairie
80.00	Set a Sandstone 18+7+5½ 12½
	in the ground for cor. to sect.
	3. 4. 9 and 10. marked with 5
	notches on S. and 3 notches
	on E. edges dug pits 18+18+12½
	in each sec. 5½ ft. dist. and
	raised a mound of Earth
	2 ft. high and 4½ ft. base
	alongside
	Land Broken Nets.
	Soil 4th rate stoney
	Mountains 65. Chains

I carefully examined the adjustment of my Solar Compass today particularly the Latitude and reversing apperatus and found them to be correct

Range 55. W. Cont.

	East on a Random line bet.
	sect. 3 and 10
	Var. 15°.30'. E
	over High Rolling Prairie
40.00	Set temp. ¼ sec. cor.
57.00	Head Canon 25 ft. deep brs. S.
79.94	Intersected N and S. line 12 lbs.
	N. of cor. to sect. 2. 3. 10 and 11
	Thence I run
	N. 89°. 55'. W on a true line bet.
	sect. 3 and 10 with same Var.
39.97	Set a Sandstone 21+8+5½ 16½
	in the ground for ¼ sec. cor.
	marked ¼ on W. face dug pits
	18+18+12½ E. and W. of stone 5½
	ft. dist. and raised a mound
	of Earth 1½ ft. high and 3½ ft.
	base alongside
79.94	Cor. to sect. 3. 4. 9 and 10
	Land High Rolling Prairie
	soil 3rd rate

Subdivisions T. 31. N

North on a random line
bet sec^s 3^and 4
Var. 15°. 30'. E
40.00 Set temp. 1/4 sec. cor.
68.40 Ravine 25 feet deep course N.W
80.18 Intersected North boundary of
Tp. 14 lks. W of cor to sec^s
3. 4. 33^and 34.
Thence I ran
S. 0. 6'. W. on a true line bet
sec^s 3^and 4. with same Va.
40.18 Set a Sandstone 16+10+6 1/2 12^d
in the ground for 1/4 sec. cor
marked 1/4 on W. face dug
pits 18+18+12 1/2 N and S of
stone 5 1/2 ft. dist and raised a
mound of Earth 1 1/2 ft. high and
3 1/2 ft. base alongside
80.18 Cor. to sec^s 3. 4. 9^and 10

Land High Rolling Prairie
soil 3rd rate

June 15th 1883

Range 55 W. cont.

From the cor. to sec^s 4. 5. 32^and 33
on the South Boundary of Tp. 31.
N. R. 55. W. I ran
North bet. sec^s 32. 1. 33
Var. 15°. 30' E
over Rolling Valley
41.48 Set a Sandstone 15+11+7 1/2 10 1/2
in the ground for 1/4 sec. cor.
marked 1/4 on W face dug
pits 18+18+12 1/2 N and S. of stone
5 1/2 ft. dist and raised a mound
of Earth 1 1/2 ft. high and 3 1/2 ft.
base alongside
60.30 Canon 100 ft. deep. Ast. S. slope
68.00 Top Mt. ridge bt. E. an W & dist.
72.00 Foot N. slope & Ast.
78.00 Top S. slope enter Broken Sand
stone peaks and spurs of Mts
80.48 Set a Sandstone 19+12+5 1/2 14 1/2 in
the ground for cor to sec^s 28. 29.
32^and 33. marked with 1 notch
on S. and 4 notches on E. face
dug pits 18+18+12 1/2 in each
sec. 5 1/2 ft. dist and raised a

Subdivisions T. 31. N

mound of Earth 2 ft high
and 4½ ft base alongside

Land rolling valley & Mts peaks.
Soil 3rd & 4th rate stoney
Mountains 21.18 chaines

East on a Random line bet
secs 28 and 33
Var. 15°. 30'. E
over Broken stoney peaks
18.00 Sandstone peak 40 ft high
25.00 Barren cliff Sandstone 50 ft high
40.00 set temp ¼ sec. cor.
41.00 desc E. slope to Canon
44.00 Stoney Canon 200 ft deep
course S.E. & Asc S.W. slope covered
with sct. pine timber
50.00 Top S.W. slope run along
S. slope Mt spur from North
62.00 Foot S.E. slope Mt. spur
Canon 100 ft deep course N.E.
and Asc along S.W. slope
70.00 Top Mt divide ors N.W. & S.E.

Range 55. W. cont

enter broken stoney spurs.
75.00 Sandstone cliff 25 ft high ws N. & S
79.76 Intersected N and S. line 29 lks
N. of cor to secs 27. 28. 33 and 34
Thence I run
N. 89° 48' W. on a true line bet
secs 28 and 33. with same Var.
39.88 Set a Sandstone 24+13+6 in 18 in
in the ground for ¼ sec. cor
marked ¼ on N. face and
dug pits 18+18+12 in E. and W.
of stone 5½ ft dist and raised
a mound of Earth 1½ ft high
and 3½ ft base alongside
79.76 Cor. to secs 28. 29. 32 & 33

Land Broken stoney Mt spurs & canons
Soil 4th rate stoney
Mountains ~~80~~. chaines
79.76

Subdivisions T. 31. N.

	North bet. sect. 28 & 29
	Var. 15°, 30'. E
6.00	Dest. N. slope Mt. ridge
	Enter heavy growth of Pine
	timber brs. E. & W
12.00	Foot N. slope Canon 100 ft. deep
	Dest. N.W. & ast. spur Mt.
	from the West
16.00	Top spur dest. N. slope
20.00	short steep Gulch 150 ft. deep
	course E. & ast.
23.00	Top steep and ast. S. slope Mt.
33.00	Top Mt. divide Leave timber
	brs. E. and W. enter Prairie
40.00	Set a Sandstone 12+12+7 in.
	8 in. in the ground for 1/4 sec. cor.
	Marked 1/4 on W. face dug pits
	18+18+12 in. N. and S. of stone
	5 1/2 ft. dist. and raised a
	mound of Earth 1 1/2 ft. high
	and 3 1/2 ft. base alongside
46.00	Ravine Course S.E.
80.00	Set a Sandstone 17+10+6 in.
	12 in. in the ground for cor. to

Range 56. W. cont.

	sect. 20. 21. 28 and 29 marked
	with 2 notches on the South
	and 4 notches on the East
	edges dug pits 18+18+12 in.
	in each sec. 5 1/2 ft. dist. and
	raised a mound of Earth 2 ft.
	high and 4 1/2 ft. base alongside
	Land Broken Nets & Rolling
	Soil 3rd and 4th rate
	Timber Cedar & Pine 27. chains
	Mountains 33. chains

Subdivisions T. 31. N

	East on a Random line bet sect. 21 and 28 Var. 15°. 30'. E
5.00	Dest. E slope covered with scat. pine timber
9.00	Canon 100 ft. deep course S.E and Ast. S.W. slope
21.00	Top high Mt. Divide bt. N.W & S.E & dest. E slope
34.00	Foot E slope Canon course S.E. and Ast. W. slope
40.00	Set temp 1/4 sec cor
45.00	Top step and Ast. gradual Ast. Mt. range from N.W.
60.00	Top Mt. divide bt. N.W. & S.E over broken stoney spurs.
80.30	Intersected N and S. line 9 lks North of cor. to sect. 21. 22. 27 and 28
	Thence I ran
	N. 89° 56' W on true line bet sect. 21 and 28 with same Var.
40.15	Set a Sandstone 18+8+6½ 12" in the ground for 1/4 sec. cor.

Range 55. W. cont

	marked 1/4 on N. face and dug pits 18+18+12½ E and W. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside
80.30	Cor. to sect. 20. 21. 28 and 29
	Land broken stoney Mts. Soil 4th rate. Mountains 75.30 Chains
	North bet sect. 20 and 21 Var. 15°. 30'. E
24.00	Drain course S.E
40.00	Set a Sandstone 16+14+4½ 12" in the ground for 1/4 sec cor. marked 1/4 on W. face dug pits 18+18+12½ N. and S. of stone 5½ ft. dist and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside
55.00	Dest. N. slope Mt. ridge
68.50	Canon 100 ft. deep course S.E and Ast. S. slope Mt. ridge

Subdivisions T. 31. N. — Range 55. W. Cont.

78.00	Top Mt. spur from N.W.
80.00	Set a Sandstone 23+13+5 in 18 in the ground for cor. to secs. 16. 17. 20 and 21 marked with 3 notches on S. and 4 notches on E. edges dug pits 18+18+12 in each sec. 5½ ft. dist. and raised a mound of Earth 2 ft. high and 4½ ft. base alongside
	Land Rolling & Broken Mts. Soil 3rd and 4th rate Mountains ~~25~~ 23 chaines
	East on a Random line bet. secs. 16 and 21 Var. 15°. 30'. E
5.00	Desc. E. slope Mt. spur
15.00	Canon 100 ft. deep desc. S.E. ass.
25.00	Top Mt. ridge brs. N.W. & S.E. and entre Prairie
40.00	Set temp. ¼ sec. cor.
79.92	Intersected N and S. line

	23. lks. South of cor. to secs. 15. 16. 21 and 22
	Thence I ran
	S. 89°. 50'. W. on a true line bet. secs. 16 and 21 with same var.
39.96	Set a Sandstone 15+11+5 in 10 in the ground for ¼ sec cor. marked ¼ on N. face dug pits 19+18+12 in E. and W. of stone 5½ ft. dist. and raised a mound of Earth, 1½ ft. high and 3½ ft. base alongside
79.92	Cor. to secs. 16. 17. 20 and 21
	Land Rolling & Broken Mts. Soil 3rd & 4th rate soil Mountains 20. chaines

Subdivisions T. 31. N.

North bet sect. 16.7.17
Var. 15° 30' E

Dest. N.E. slope Mt. spur
7.00 Foot N.E. and Ast. S slope
13.00 Top S. slope enter high Burrie
40.00 Set a Sandstone 16+11+4 10 in the ground for 1/4 sec cor marked 1/4 on W. face deep pits 18+18+12 N and S of stone 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
59.00 dest. N. slope Mt.
62.00 Canon 100 ft. deep course S.E. and ast. S.W. slope Mt. spur
70.00 Top S.W. slope Mt. spur
80.00 Set a Sandstone 19+8+4 13 in the ground for cor to sect. 8.9.16 and 17 marked with 4 notches on the S. and 4 notches on the E. edges. And deep pits 18+18+12 in each sec 5 1/2 ft. dist. and raised a mound of

Range 55. W. Cont.

Earth 2 ft. high and 4 1/2 ft. base alongside
Land Broken Mts.
Soil 4th rate stony
Mountains 27 Chains

East on a Random line bet sect. 9 and 16
Var. 15° 30' E

Dest. E slope Mt. spur
10.00 Foot Mt. spur Canon 100 ft. deep course S.E. enter timber on E. side Mt. br. N.E. and S.W. and ast.
15.00 Top Mt. slope enter Broken peaks and Sandstone ridges
25.00 Peak 50 ft. high covered with very heavy growth young Pine
34.00 Leave Pine timber N and S
40.00 Temp. 1/4 sec. cor
63.00 Sandstone ridge 40 ft. high N.&S.
80.16 Intersected N. and S. line 28 lks. N. of cor. to sect. 9.10.15 and 16
Thence Irun

Subdivisions T. 31. N

N. 89° 48' W on a true line
bet secs 9 and 16 with same Var
40.08 Set a Sandstone 20+9+7½ 14"
in the ground for ¼ sec cor
marked ¼ on N. face and
dug pits 18+18+12½ E and W.
of stone 5½ ft dist and raised
a mound of Earth 1½ ft high
and 3½ ft base alongside
80.16 Cor to secs 8. 9. 16. & 17
Land Broken Mts.
Soil 4th rate stony
Mountains 80.16 Chains
Timber Pine and Cedar. 24 chains

Range 55 W cont.

North bet secs 8. and 9
Var 15° 30' E
Desc N. slope Mt spur
11.00 Canon 150 ft deep course S. E. and
20.00 Top S. W slope Mt N.W.T.S. E
and enter high Prairie
40.00 Set a Sandstone 17+11+4½ 13"
in the ground for ¼ sec. cor
marked ¼ on W face dug pits
18+18+12½ N and S. of stone
5½ ft dist and raised a mound
of Earth 1½ ft high and 3½ ft
base alongside
80.00 Set a Sandstone 18+9+4½ 12"
in the ground for cor. to secs
4. 5. 8 and 9 marked with 5 notches
on the S. and 4 notches on the
E. edges dug pits 18+18+12½ in
each sec. 5½ ft dist and raised
a mound of Earth 2 ft high and
4½ ft base alongside
Land Mts & Rolling Prairie
Soil 3rd and 4th rate
Mountains 20. chs.

Subdivisions T. 31. N

East on a random line bet secs 4 and 9
Var 15° 30. E

27.00 Lead Canon course S.E. 50 ft
40.00 Set temp. 1/4 sec. cor.
79.78 Intersected N and S. line 36 lks S. of cor. to secs 3. 4. 9 and 10
Thence I run
S. 89° 45' W on a true line bet. secs 4 and 9 with same var.
39.89 Set a sandstone 14+11+6 in 10 in the ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18+18+12 in E and W of stone 5 1/2 ft dist and raised a mound of Earth 1 1/2 ft high and 3 1/2 ft base alongside
79.78 Cor. to secs 4. 5. 8 and 9

Land Rolling Prairie
Soil 3rd rate

Range 55 W. Cont.

North on a random line bet secs 4 and 5
Var. 15° 30. E

40.00 Set temp. 1/4 sec. cor.
80.32 Intersected N. Boundary Tp. 22 lks W. of cor. to secs 4. 5. 32 and 33
Thence I ran
S. 0°.09' W on a true line bet secs 4 and 5 with same var.
40.32 Set a sandstone 18+12+8 in 13 in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in N and S of stone 5 1/2 ft dist and raised a mound of Earth 1 1/2 ft high and 3 1/2 ft base alongside
80.32 Cor. to secs 4. 5. 8 and 9

Land Rolling Prairie
Soil 2nd rate

June 16th 1883

Subdivisions T. 31. N

From the cor. to sect. 5. 6. 31 and 32 on the S. Boundary of Tp. I run North bet. sect. 31 and 32
Var. 15°30' E

Desc. along E. slope Mt.
23.00 Canon N.E. 100 ft. deep & asc.
30.00 Top Mt. range from W.
40.00 Set a Sandstone 16+9+7½ 10½ in the ground for ¼ sec. Cor. marked ¼ on W. face and dug pits 18+18+12½ N and S of stone 5½ ft. dist. and raised a mound of Earth 1½ ft. high and 3½ ft. base alongside
41.00 Desc. N. slope Mt. range
45.20 Canon 100 ft. deep course N.E. and asc. S. slope
58.00 Top N. slope Mt. ridge bt. N and S.
60.00 Desc. N. slope Mt. ridge
65.00 Canon desc. N.E. & asc.
71.00 Top Mt. ridge bt. E. & W.
80.60 Set a Sandstone 18+10+6½

Range 55 W. Cont.

12½ in the ground for cor. to sect. 29. 30. 31 and 32 marked with 1 notch on the S. and 5 notches on the E. edges dug pits 18+18 12½ in each sec. 5½ ft. dist. and raised a mound of Earth 2 ft. high and 4½ ft. base alongside
Land Broken Mts.
Soil 4th Ratestoney
Mountains ~~80.~~ Chains
68.00

East on a random line bet. sect. 29 and 32.
Var. 15°30' E

Over Broken Sandstone ridges
40.00 Set Temp. ¼ sec. Cor.
43.00 Desc. N.E. slope Mt. ridge
59.00 Canon 100 ft. deep S.E. & asc.
65.00 Top S.W. slope Mt. entire Broken Sandstone ridges & spurs
79.84 Intersected N and S. line 20 lks. North of the cor. to sect. 28. 29. 32 and 33

Subdivisions T. 31. N

Thence I ran
N. 89° 51' W on a true line
bet. secs. 29 and 32 with same va
39.92 Set a Sandstone 18+11+4½ 12½
in the ground for ¼ sec cor.
marked ¼ on N. face and
dug pits 18+18+12½ E and W
of stone 5½ ft. dist and raised
a mound of Earth 1½ ft. high
and 3½ ft. base alongside
79.84 Cor. to secs. 29 30. 31 and 32

Land Broken Mts.
Soil 4th rate stoney
Mountains ~~80~~ chains
79.84

Range 55. W cont.

West on a random line bet.
secs. 30 and 31
Var. 15° 30' E
7.00 Asc. round Butte 50 ft. high
covered with pine timber
10.00 Top Butte N. Dist.
15.00 Foot Butte & Dist. W. slope Mt.
30.00 Leave timber enter Sct timber
37.00 Grassy Canon 2 ch. wide 200 ft.
deep course S. and asc.
40.00 Set Vine ¼ sec. cor.
64.00 Leave Mts. enter Prairie N.W.S.E.
78.24 Intersected West Boundary
of Tp. 34 lks. South of the
Cor. to secs. 25. 30. 31 and 36
Thence I run
S. 89° 45' E on a true line
bet. secs. 30 and 31 with same va.
38.24 Set a Sandstone 16+10+6½ 10½
in the ground for ¼ sec. cor.
marked ¼ on N. face dug
pits 18+18+12½ E and W of stone 5½ ft.
dist and raised a mound of Earth 1½ ft.
high and 3½ ft. base alongside
78.24 Corner to secs. 29. 30. 31 & 32
Land Broken Mts.
Soil 4th rate stoney
Timber Pine & cedar 23 chains
Mountains ~~64~~ chains
57.00

Subdivisions T. 31. N

North bet. sect. 29 and 30
Var. 15°. 30'. E

15.00 Dest. N. slope Mt.
35.00 Canon 110 ft. deep course S.E. & ast.
40.00 Cor. on top Mt. spur 300 ft. high
set a Sandstone 17+10+5½ 11½
in the ground for ¼ sec. cor.
marked ¼ on W. face dug pits
18+18+12½ N and S. of stone
5½ ft. dist. and raised a Mound
of Earth 1½ ft. high and 3½ ft.
base alongside & Dest.
43.00 Foot N. slope & ast.
50.00 Top spur from W. & dest.
57.00 Head canon 75 ft. deep S.E. ast.
62.00 ¼ spur from W. & dest.
63.00 Ravine 50 ft. deep course S.E. ast.
70.00 Top divide br. N.W. & S.E.
80.00 Set a Sandstone 20+8+4½ 14½
in the ground for cor. to sect.
19. 20. 29 and 30 marked with
2 notches on S. and 3 notches
on E. edges dug pits 18+18+12½
in each sec. 5½ ft. dist.

Range 55. W. cont.

and raised a mound of Earth
2 ft. high and 4½ ft. base along
side
Land Broken Mt. spurs
Soil 4th rate sandy
Mountains 70 chains

East on a Random line
bet. sect. 20 and 29
Var. 15°. 30'. E

Over Mt. divide
10.00 dest. E. slope Mt.
29.00 Canon dest. S. 150 ft. deep ast.
39.00 Top W. slope Mt. divide
br. N.W. and S.E. enter Prairie
40.00 temp. ¼ sec. cor.
79.66 Intersected N. & S. line 14 lks.
South of cor. to sect. 20. 21.
28. & 29 Thence I run
S. 89° 54' W. on a true line
bet. sect. 20 and 29 with same bar.
39.83 Set a Sandstone 16+14+5½ 10½
in the ground for ¼ sec. cor.
marked ¼ on N. face dug

Subdivisions T. 31, N

pits 18+18+12 in E and W of stone 5½ ft dist and raised a mound of Earth 1½ ft high and 3½ ft base alongside

79.66 Corner to Secs. 19. 20. 29 & 30
Land Broken Mts & Prairie on Mt. tops
Soil 2 & 4th rate
Mountains 29 chains

West on A. random line bet secs 19 and 30
Var. 15° 30' E
on High Mt. divide and Prairie

40.00 Set temp ¼ sec. cor

78.82 Int. W. boundary of Tp. 19 lks. North of the cor. to secs 19. 24. 25 and 30 Thence I run N. 89° 52' E on a true line bet. secs 19 and 30 with same Va.

38.82 Set a Sandstone 17+12+8 in 11 in the ground for ¼ sec. cor. marked ¼ on N. face dug pits 18+18+12 in E. and W. of

Range 55 W Cont.

stone 5½ ft dist and raised a mound of Earth 1½ ft high and 3½ ft base alongside

78.82 Corner to Secs. 19 20 29 & 30
Land Rolling Prairie Divide
Soil 2nd rate

North bet secs 19 and 20
Var. 15° 30' E

2.00 Desc. N slope Mt. divide

17.00 Canon 100 ft deep S E & Ast.

31.00 Top stoney Mt. spur from the West 300 ft high

40.00 Set a Sandstone 19+14+4 in 12 in the ground for ¼ sec. cor. marked ¼ on W. face dug pits 18+18+12 in N and S of stone 5½ ft dist and raised a mound of Earth 1½ ft high and 3½ ft base alongside

42.00 Desc. N E. slope Mt. spur

59.00 Canon 200 ft deep S. E. set timber along sides of Canon

Subdivisions T. 31. N

65.00	Top Mt. spur from the N.W
80.00	Set a Sandstone 18+9+4 in 12 in
	in the ground for Cor. to sect.
	17. 18. 19 and 20 marked with
	3 notches on the S. and 5 notches
	on the East edges dug pits 18+18+
	12 in each sec. 5½ ft. dist. and
	raised a mound of Earth 2 ft.
	high and 4½ ft. base alongside
	Land Broken Mts.
	Soil 3rd & 4th rate
	Mountains ~~70~~ chains
	52.00
	East on a random line bet.
	sect. 17 and 20
	Var. 15°.30'. E
	Over E. slope Mt. Spur
15.00	Canon 100 ft. deep course S & ast.
25.00	Top Mt. ridge N.W. & S.E. and
	entire High Prairie on Mt. divide
40.00	Set temp ¼ sec. cor.
80.18	Intersected N. and S. line

Range 55. W. Cont.

	41 lks. S. of cor. to sect. 16.
	17. 20 and 21
	Thence I run
	S. 89°42'. W. on a true line bet.
	sect. 17 and 20 with same Va
40.09	Set a Sandstone 15×13+6 in 10 in
	in the ground for ¼ sec. cor.
	marked ¼ on N. face and
	dug pits 18+18+12 in E. and W.
	of stone 5½ ft. dist. and raised
	a mound of Earth 1½ ft. high
	and 3½ ft. base alongside
80.18	~~Corner to Secs 17. 18. 19 & 20~~
	Land Broken Mts & High Prairie
	divide soil 3rd & 4th rate
	Mountains 25 chains
	West on a Random line
	bet. sect. 18 and 19
	Var. 15°.30'. E
15.00	Desc. S.W. slope Mt. divide
35.00	Canon Desc. S.E. 100 ft. deep & ast.
40.00	Set temp ¼ sec. cor.
43.00	Top N.W. slope Mt. divide
	entire high rolling Prairie
	June 17th 1883

Subdivisions T. 31. N

79.50 Intersected W. boundary of Tp. 16 lks N. of cor. to Secs. 13. 18. 19 and 24 Thence I run N. 89° 53' E. on a true line bet. secs. 18 and 19 with same va.

39.50 Set a Sandstone 14+14+6 in. 8 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face deg pits 18+18+12 in. E and W of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high 3 1/2 ft. base alongside

79.50 Cor. to secs. 17. 18. 19 and 20 Land Rolling Prairie divide Soil 3rd rate stoney Mts. Mountains 28 chaines

I carefully examined the adjustment of my Solar Compass to dy particular the Latitude and reversing upperatus and found them to be correct

Range 55. W cont.

North bet. secs. 17 and 18
Var 15° 30' E
over high Rolling Prairie

45.00 Set a Sandstone 16+10+4 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W face deg pits 18+18+12 in. N and S of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high 3 1/2 ft. base alongside

80.00 Set a Sandstone 16+9+5 in. 10 in. in the ground for cor. to secs. 7. 8. 17 and 18 marked with 4 notches on S and 5 notches on E. edges deg pits 18+18+12 in. in each sec. 5 1/2 ft. dist and raised a mound of Earth 2 ft. high 4 1/2 ft. base alongside

Land High Rolling divide
Soil 3rd rate

Subdivisions T. 31 N

East on a random line
bet sect. 8 and 17
Var. 15°. 30'. E

40.00 Set temp 1/4 sec. cor. & dist.
44.00 Canon 100 ft. deep course S. E. & ass.
54.00 Top. S.W. slope Mt. spur barren
broken and stoney covered with
sct. Pine timber br. to N.W.
79.76 Intersected N and S. line 12 lks.
N. of cor. to sect. 8. 9. 16 and 17
Thence I run
N. 89°. 55'. W on a true line bet.
sect. 8 and 17 with same Va.
39.88 Set Sandstone 15+11+6 in. 9 in. in
the ground for 1/4 sec. cor. marked
1/4 on N. face dug pits 18+18+12 in.
E and W of stone 5 1/2 ft. dist and
raised a mound of Earth 1 1/2 ft.
high 3 1/2 ft. base alongside
79.76 Cor. to sect. 7. 8. 17 and 18

Land Broken Mts. & Rolling
Soil 3rd rate stoney
Mountains ~~36~~ 14 chaines

Range 55 W. cont.

West on a random line
bet. sect. 7 and 18
Var 15°. 30. E
over high Rolling Prairie
40.00 Set temp 1/4 sec cor.
79.96 Intersected W. boundary Tp.
33 lks S. of cor to sect. 7. 12
13 and 18
Thence I run
S 89°. 46'. E on a true line bet.
sect. 7 and 18 with same Var.
39.96 Set a Sandstone 16+12+5 in. 10 in.
in the ground for 1/4 sec. cor.
marked 1/4 on N. face dug
pits 18+18+12 in. E and W. of stone
5 1/2 ft. dist and raised a mound
of Earth 1 1/2 ft. high 3 1/2 ft.
base alongside
79.96 Cor. to sect. 7. 8. 17 and 18

Land high Mt. divide
Soil 3rd rate

Subdivisions T. 31 N.

North 1/4 sec. 7 and 8
Var 18° 30' E

26.00	Set 6 stones stony N. slope
31.00	Canon 10 ft deep course S.E. at 1/4
40.00	on top. High stony Mt. divide
	1/4 N. 11. and 4. E.
	Set a Sandstone 17+8+4 1/2 11 1/2
	in the ground for 1/4 sec. cor.
	marked, 1/4 on N. face depths
	18+18+12 1/2 N. and E. of stone 6 1/2 ft
	dist. and raised a mound of Earth
	1 1/2 ft high 4 1/2 ft base alongside
	West N. slope Mt. open.
58.00	Canon 300 ft deep course S. to W.
64.00	Top Mt. Slope Entering Prairie W. N.W. & S.E.
80.00	Set a Sandstone 20+14+4 1/2 14 1/2
	in the ground for cor. to sec. 5. 6. 7 and
	8. marked with 6 notches on S and
	E faces depths 18+18+12 1/2 in each
	sec. 5 1/2 ft dist. and raised a mound
	of Earth 2 ft high and 4 1/2 ft base alongside

Land Rolling Mts & Rolling Prairie
Soil 3rd and 4th rate
Mountains 38. Chances

Range 5 E. 4 Cont.

East on a Random line 6 Mi.
sec. 5 and 8
Var 15° 30' E

18.50	Road Canon 50 ft deep course S. to N.
40.00	Set Comp. 1/4 sec. cor.
80.26	Intersect Range 5 East 7 Mi. to
	N. of cor. to secs. 4. 5. 8 and 9
	Thence S. run
	N. 89° 57' W. on a true line between
	sec. 5 and 8 with same var.
40.13	Set a Sandstone 18+8+6 1/2 10 1/2
	in the ground for 1/4 sec. cor. marked
	1/4 on N. face depths 18+18+12
	E and W. of stone 6 1/2 ft dist.
	and raised a mound of Earth
	1 1/2 ft high 3 1/2 ft base alongside
80.26	Cor to sec. 5. 6. 7 and 8.

Land High and Rolling Prairie
Soil 2nd and 3rd rate

Subdivisions T. 31. N

West on a random line bet sect. 6 and 7
Var. 15°. 30'. E

24.50 Canon dest. I.E. 50 ft. deep.
40.00 Set temp 1/4 sec. cor.
79.36 Wagon road N.E. & S.W.
79.84 Intersected W. boundary of Tp. 24 lks. N. of cor. to sect. 1. 6. 7 and 12

Thence I run
N. 89°. 50'. E on a true line bet. sect. 6 and 7 with same va.

39.84 Set a sandstone 18+10+7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18+18+12 in. E. and W. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high 3 1/2 ft. base alongside
79.84 Cor to sect. 5. 6. 7 and 8.

Land Rolling Prairie
Soil Sandy 3rd rate.

Range 55. W. Cont.

North on a random line bet. sect. 5 and 6
Var. 15°. 30'. E

38.00 Wagon road bt. N.E. and S.W.
40.00 Set temp 1/4 sec. cor.
80.04 Intersected N. boundary of Tp. 14 lks. E of cor. to sect. 5. 6. 31 and 32

Thence I run
S. 0°. 6'. E on a true line bet sect. 5 and 6. with same va.

40.04 Set sandstone 16+11+4 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18+18+12 in. N and S. of stone 5 1/2 ft. dist and raised a mound of Earth 1 1/2 ft. high and 3 1/2 ft. base alongside
80.04 Cor. to sect. 5. 6. ~~7~~ and ~~8~~ 8

Land Rolling Prairie
Soil 3rd rate.

June 18th 1883

General Description

This is a very rough Broken Mts. Township composed of deep Gulches and Cañons. covered with scattering pine and in places heavy Groves of pine timber barren cliffs and high peaks of Sandstone White River rising in the S.W. sec. 27 and running through sec. 27.26.25.&36 is a beautiful stream of Mountain Water. The valleys along this stream are narrow but very rich and fertile. There are many fine groves of Box Elder along this valley. There is a ranch and a settler on the springs at the head of White river. The Table lands on the Mt. ranges & Spurs are in places good rich soil and will average 2nd rate. There is some fine saw Timber in sec. 16 & 28 and 29. I have noted the length of lines through timber only when land

Hardly Timbered or with
dwarf under brush

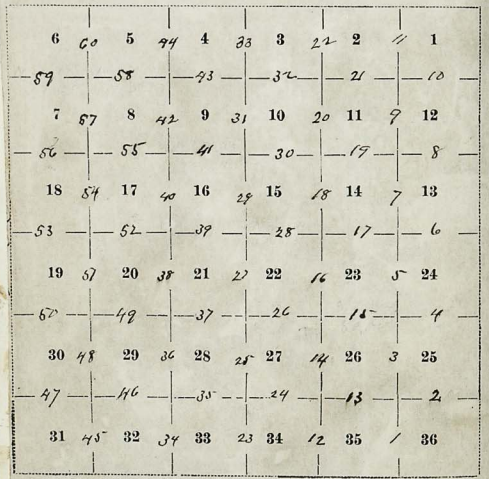
U.S. Surveyor Generals Office

Plattsmouth Neb Feb 18th 1883.

The foregoing Field Notes of the Surveys of the Subdivision lines of Township No. 31 North of Range No 55 West of the Principal Base and Meridian in the State of Nebraska executed by George W. Fairfield U.S. Deputy Surveyor under his Contract No 13 dated Sept. 14-1882 in the month of June 1883. having been critically examined the necessary corrections and explanations made the said Field Notes and the Surveys they describe are hereby approved.

L.D. Stephenson
U.S. Surveyor General.

Town No. 32 N Range No 58 W



Fieldnotes
of the
Survey of the Subdivision Lines
Township No. 32 N. of Base Line
Range No. 58 W. of the 6th P.M.
State of Nebraska.
As Surveyed
by
George W. Fairfield,
U.S. Dep. Surveyor.

Under his Contract
Dated. Sept 14. 1882

Survey
Commenced, July 2nd 1883
Completed. July 9th 1883

On the night of July 1st 1883, I took an observation on the Star Polares, in accordance with instructions contained in the manual of Surveys, and drove pickets on the line thus established.

Survey commenced, July 2d 1883, with a Gurley Transit, instrument, with 6 ins. needle.

Before commencing this Survey I test my compass, on the line established last night, and find it correct.

Subdivisions. T. 32. 11. R 55 W.

Chas Preliminary to commencing this survey I run South on a blank line, along the East side of sec. 36. and, at 40.08 found the ¼ sec. cor. and at, 80.10 found the ~~sec.~~ Tp. cor.
As I had previously run the South boundary it was not retraced. My compass, will therefor run the same lines, as the exterior boundaries, and the chaining practically agrees.

I commenced at the cor. to secs. 1, 2, 35. and 36, on the South boundary of the township, and run,
North, bet secs, 35. and 36.
Va. 15° 30' E.
Over high, rolling table land.

40.00 Set a sandstone, 12 x 10 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, N. and S. of stone, 5½ ft. dist. and,

Subdivisions. T. 32 N.

Chas	
	raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
50.00	head of drain, 50 lks wide, course N.E.
55.00	Enter timber. Thence along rocky ridge, course N. and S.
80.00	Set a sandstone, 20x14x5 ins. 14 ins. in the ground, for cor. to secs. 25, 26, 35, and 36, marked with 1 notch on S. and E. edges, dug pits, 18x18x12 ins. in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side. Trow, which, A pine, 10 ins. diam. bears, N 24° E, 182 lks. dist. marked, S 25. T 32 N. BT. A pine, 5 ins. diam. bears, S 81° E, 190 lks. dist. marked, S 36. BT. A pine, 4 ins. diam. bears, S 21° 15' W. 108 lks. dist. marked, S 35. BT. A pine, 8 ins. diam. bears, N 50° W. 160 lks. dist. marked, S 26. R 55 W. BT. Land, first ½ mile, sandy,

R. 55 W. Continued.

Chas	
	and 2nd rate, balance, broken, and rocky. Timber, pine, 25 chs.
	East on a random line, bet. secs. 25, and 36. Va. 15° 30' E. Descend, down rocky mountain spur, Through pine timber.
2.00	Canon, 40 ft. deep, rocky sides, course, North, thence ascend West, and steep, side of mountain spur.
10.00	Top of rocky spur, 100 ft. above sec. cor, course N. and S. and descend E slope of spur. to
19.00	Rocky and broken canon, 50 ft. deep, course N.W. thence ascend over broken and rocky, mountain
33.00	Leave timber.
40.00	Set temporary ¼ sec. cor. and descend, over broken spurs, to
56.00	Canon, 50 ft. deep, and ascend.

Subdivisions. T. 32 N.

Chas	
79.90	Intersect East boundary of township 7 lks. N. of cor. to secs. 25. 30. 31. and 36, which is a sandstone, 10x9x6 ins, above mound, marked with 1 notch on S. and 5 notches, on N. edges, with pits, 18x18x12 ins, in each sec. 5½ ft. dist, with mound of earth, 1 ft. high, 4½ ft. base, alongside. Thence Irm, N 89° 57' W. on a true line bet. secs. 25. and 36. with same va.
39.95	Set a sandstone, 20x10x5 ins, ¾ ins, in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
79.90	The cor. to secs. 25. 26. 35. and 36. Sand, stony, sandy and broken, Soil, 3rd and 4th rate, Timber, pine, 33 chs, Some good saw timber in canons, N. and S. of line. 79.90 lks. Mountainous ~~Whole line runs over mountainous land,~~

R. 55 W. Continued.

Chas	
	North bet. secs. 25. and 26. Va. 15° 30' E. Descend over broken, rocky mountain spur, through heavy pine timber.
22.00	Canon, with perpendicular rocky sides, 50 ft. deep, course N.W. and ascend abruptly, over rocky mountain side, to.
30.00	Top of rocky spur, 150 ft. above bottom of canon; thence descend, to,
40.00	Set a sandstone, 14x12x9 ins, 10 ins, in the ground, for ¼ sec. cor. marked, ¼ on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside, From which,
[illegible]	A pine, 6 ins. diam. bears, N 3° E. 67 lks. dist. marked ¼ S. BT. A pine, 6 ins. diam. bears, East. 66 lks. dist. marked ¼ S. BT. and descend, to,
42.00	Rocky canon, 50 ft. deep, course West,

Subdivisions. T 32 n.

Chas	
	Thence, ascend over S.W. slope of mountain spur, to,
56.00	Top of spur, 300 ft. high, and descend, to,
68.00	~~Main~~ East, Hat creek in canon, 100 ft. deep, stone banks, 50 ft. high, course, N 70° W. about 15 chs, canon enters from South. Some pools of water, in canon. Thence ascend, steep rocky and broken, side, of mountain spur, to,
80.00	Set a sandstone, 20 x 9 x 7 ins, 14 ins in the ground for cor. to secs, 23, 24, 25, and 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, along side. From which,
	A pine, 4 ins. diam, bears, N 24° E.
	21. lks. dist. marked, S 24, BT.
	A pine, 6 ins. diam, bears S 29° 30' E.
	41 lks. dist. marked, T 32 n. S 25, BT.
	A pine, 8 ins. diam, bears S 36° W.

R 55 W. Continued.

Chas	
	140 lks. dist. marked, R 55 W. S. 28. BT.
	A pine, 3 ins. diam, bears N 60° W.
	84 lks. dist. marked, BT.
	Land, high, broken, and mountainous, 4th rate
	Timber — pine, 80 chs.
	80.00 Chs. mountainous
	~~Whole line runs over mountainous land.~~
	Some good saw timber.
	East on a random line, bet. secs, 24, and 25; Va. 15° 30' E.
	Descend along South slope of mountain spur, through pine timber,
31.00	canon, 70 ft. deep, course S.W. Thence ascend,
40.00	Set temporary 4 sec. cor. on top of stone ridge, course, N.E. and S.W. 175 ft. high, and descend, to,
51.00	Canon 60 ft. deep, course S.W. and thence along side of spur of mountain.

Subdivisions. T 33 N.

Chas	
68.00	Leave timber.
80.62	Intersect East boundary of township, 62 lks. S. of cor. to secs. 19. 24. 25. and 30. which is a sandstone, 10x10x5 ins, above ground, marked, with 2 notches on S. and 4 notches on N. edges, with pits, 18x18x12 ins, in each sec. 5½ ft, dist, and mound of earth, 10 ins. high, 4½ ft. base, around stone. Thence Drum, S. 89° 33' W. on a true line, bet. secs. 24. and 25. with same va.
40.31	A pine tree, 6 ins. diam, which I marked, ¼ S. COR. on N side, for ¼ sec. cor. No trees large enough, for witness trees.
80.62	The cor. to secs. 23. 24. 25. and 26. Land, high broken spurs, almost impossible to get over. Timber, pine, 60 chs. ~~Whole line runs over mountainous land~~ 88.62 chs

R 55. W. Continued.

Chas	
	North bet. secs. 23. and 24. Va. 15° 30' E. Through, pine timber, and, over high, broken, and stony peaks.
15.00	Commence descent.
23.00	Canon, 150 ft. deep, rocky sides, course West. then ascend side of broken and rocky spur, course E. and W.
40.00	A pine tree, 8 ins. diam, which I marked, ¼ S. COR. on W. side, for ¼ sec. cor, and raised a mound of rock, around tree. and descend over broken ridges, bearing East.
64.00	Canon, 60 ft. deep, rocky sides, course East, and ascend,
74.00	Top of mountain spur, 350 ft. high, course, E. and N. and descend.
80.00	Set a sandstone, 20x9x7 ins, 14 ins. in the ground, for cor. to secs. 13. 14. 23. and 24. marked, with 3 notches on S. and 1 notch on E. edges, and raised a mound of rock, 2 ft.

Subdivisions, T. 32 N.

Chas

high, 4½ ft. base, alongside.
From which,
A pine, 20 ins. diam, bears S. 48° 45' E.
221 lks. dist. marked, S 24. BT.
A pine, 22 ins diam, bears S 46° 30' W.
265 lks. dist. marked, T 32 N. S 23 BT
A pine, 6 ins. diam, bears N. 81° W.
145 lks. dist. marked, R 55 W. S 14. BT.
No other tree within limit.
Land, high, broken spurs, and deep canons.
Timber, good pine, 80 chs.
Whole line runs over mountainous land.

East on a random line, bet. secs. 13. and 24.
Va. 15° 30' E.
Over rough, and broken spurs, and through pine timber

4.00 Sharp ridge, 400 ft. above water in, Bog creek, course N E and S W. and descend,

R 55 W. Continued.

Chas

19.00 Canon 150 ft. deep, course N E.
Thence ascend,

40.00 Set temporary ¼ sec. cor. on flat ridge, course N E. and S W.

65.00 Leave timber, and descend over broken, and stony land.

80.58 Intersect East boundary of township, 48 lks. S of cor. to secs. 13, 18, 19, and 24 which is a sandstone, 10 X 8 X 0 ins. above ground, marked, with 3 notches on S. and N. edges, with pits 18 X 18 X 8 ins. in each sec. 5½ ft. dist. and mound of earth, 10 ins. high, 4½ ft. base, around stone. From which, I run, S. 89° 39' W. on a true line, bet. secs. 13. and 24, with same va.

40.29 Set a sandstone 18 X 7 X 5 ins, 12 ins. in the ground, for ¼ sec. cor., marked, ¼ on N. face. dug pits, 18 X 18 X 12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. From which,
A pine, 4 ins. diam, bears S. 10° E.
41 lks. dist. marked ¼ S. BT.

Subdivisions. T. 32 N.

Chas	
	A pine, 6 ins. diam, bears, N 21° 30' E, 380 lks. dist. marked, 1/4 S. BT.
80.58	The cor. to secs. 13. 14. 23. and 24. Land, high, broken, and stony. Timber, pine, 65 chs.
	~~Whole line runs over mountainous land~~

North bet. secs. 13. and 14.
Va. 15° 30' E.
Over high, broken, spurs; through pine timber. Descend.

6.00	Head of canon, 40 ft. deep, cours, NE, Thence, ascend, alongside of ridge,
20.00	Top of stone ridge, 450 ft. above water in Hat creek, course E. and W. Thence descend N side of hill.
40.00	A pine tree, 6 ins. diam, which I marked 1/4 S. COR, on W. side, for 1/4 sec. cor.
48.00	Head of canon, 60 ft. deep, course NE, thence ascend,
60.00	Top of stone ridge, 400 ft high, course, NE, and descend rocky

R. 55 W. Continued.

Chas	
	and broken side of ridge, to,
71.00	Canon, 100 ft. deep, course NE, and ascend, along E side of stone ridge.
80.00	Set a sandstone, 30x12x10 ins, 20 ins. in the ground, for cor. to secs. 11, 12, 13, and 14, marked, with 4 notches on S. and 1 notch on E edges, dug pits, 18x18x12 ins in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.

From which,
A pine, 6 ins. diam, bears, N 63° 30' E, 80 lks. dist. marked, S 12. BT.
A pine, 18 ins. diam, bears, S 46° 30' E, 94 lks. dist. marked, R 55 W. S. 13. BT.
A pine, 20 ins. diam, bears, S 71° 30' W, 81 lks. dist. marked, T. 32 N. S 14. BT.
A pine, 18 ins. diam, bears, N 20° 45' W, 140 lks. dist. marked, S. 14. BT.
Land, high, broken, and worthless.
Timber, pine, 80 chs.
~~Whole line runs over mountainous land~~

July 2nd 1883

Subdivisions. T. 32 N. — R. 55 W. Continued.

Chas	
	East on a random line, bet. secs. 12. and 13. Va. 15° 30' E.
	Over broken spurs of mountain, Descend through pine timber,
3.00	Canon, 50 ft. deep, Descend N.E. Thence descend side of canon,
12.00	Bottom of canon, course N.E. Thence ascend steep rocky and broken spur of mountain, 100 ft. high, course N.E. and S.W.
24.50	Top of rocky spur, course N 30° E. Thence, descend, to
30.00	Canon, 75 ft. deep, course N 10° E. Thence over rocky spur, course N. and S.
40.00	Set temporary ¼ sec. cor.
41.00	Head of canon, 40 ft. deep, course N.E. and ascend, broken spur of mountain,
49.00	Top of spur of mountain, 100 ft. high, course N 20° W. and descend, to,
56.00	Head of canon, 50 ft. deep, course North Thence ascend, spur of mountain,
63.00	Top of spur, covered with stone, 75 ft. high, course N. and S. and

Chas	
	descend N.E. slope of spur, which is 200 ft. above water in creek,
80.72	Intersect East boundary of township, 30 lks. N. of cor. to secs. 7. 12. 13. and 18. which is a sandstone, 11 x 8 x 5 ins. above ground, marked with 4 notches on S. and 2 notches on N. edges, with pits, 18 x 18 x 12 ins. in each sec. 5⅓ ft. dist. and a mound of earth, 1 ft. high, 4⅓ ft. base, alongside. Thence, I run, N 89° 47' W. on a true line bet. secs. 12. and 13. with same va.
40.36	A pine tree, 8 ins. diam. which I marked, ¼ S. COR. on N. side, for ¼ sec. cor. From which, A pine, 8 ins. diam. bears N 40° W. 11 lks. dist. marked, ¼ S. BT. A pine, 6 ins. diam. bears N 86° W. 11 lks. dist. marked, ¼ S. BT.
80.72	The cor. to secs. 11. 12. 13. and 14. Sand, broken, and stony. Timber, Good, saw pine, 80.72 chs. Whole line runs over mountainous land.

Subdivisions. T. 32 N.

Chas	
	North, bet. secs. 11. and 12, Va. 15° 30' E.
	Ascend, abruptly, over spur of mountain, course E. and W. pine timber
7.00	Top of spur, 150 ft. high, course E. and W. Thence, descend, Uside of spur, to,
24.00	Canon, 30 ft. deep, course N 20° W. thick brush. Thence, descend over rolling mountain side.
30.00	Perpendicular bank of Bog creek, 40 ft. high, 30 lks. East of line.
39.60	Perpendicular bank, of Bog creek, 30 ft. high, Course N. 10° W.
40.00	Bog creek, water, 4 lks. wide, 3 ins. deep, course N. 5° W.
	Point for cor. falls in creek, therefore, set a witness cor. 75 lks. S. of true point. Set a sandstone, 20 X 9 X 6 ins, 14 ins. in the ground, for witness cor. to ¼ sec. cor. marked, ¼ WC. on W. face. dug pits, 18 X 18 X 12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high,

R. 55 W. Continued.

Chas	
	3½ ft. base, alongside.
	From which
	A water Elm, 10 ins. diam, bears S 11° E. 71 lks. dist. marked ¼ S. W.C. BT.
	A pine, 36 ins. diam, bears N 26° 30' W. 104 lks. dist, marked ¼ S. T. 32 N. R 55 W. S 11. WC. BT.
	A stone peak, 75 ft. high, bears S 45° E. 6 chs. dist.
	Thence, down bed of creek,
60.00	Leave creek bed, and timber course N W.
	Thence over rolling ground.
80.00	Set a sandstone, 16 X 9 X 5 ins, 11 ins in the ground, for cor. to secs. 1. 2. 11. and 12. marked, 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, 4½ ft. base, alongside.
	Land, first 60 chs. rough, and broken, balance, rolling, 2nd, rate.
	Timber, Pine, elm, and willow, 60 chs. 60 chs of line runs over mountainous land.

Subdivisions. T. 32 N.

Chas	
	East on a random line, bet. secs. 1. and 12.
	Va. 15° 30' E.
	Over gently rolling land,
40.00	Set temporary ¼ sec. cor.
80.24	Intersect E boundary of township, 13 lks N. of cor to secs. 1. 6. 7. and 12. which, is a sandstone, 14x12x4 ins above ground, marked T34N. R54W. on E face with 3 notches on S. and 1 notch, on N. edges, with pits 18x18x12 ins, in each sec. 5½ ft. dist. and mound of earth, 1½ ft. high, 4½ ft. base, around stone.
	Thence Trun,
	N 89° 54 W. on a true line bet. secs. 1. and 12. with same va.
40.12	Set a sandstone, 16x8x7 ins, 11 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face. dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80.24	the cor. to secs. 1. 2. 11. and 12. Land, gently rolling, 2nd rate ~~Not timber.~~

R. 55 W. Continued.

Chas	
	North on a true line, bet. secs. 1. and 2.
	Va. 15° 30' E.
	Over rolling and broken ground,
13.00	Enter, breaks, and broken drains, course E. and N.W.
19.00	Spring branch, water 2 lks. wide, course N.W. banks, 18 ft. high.
23.00	Drain, 2 chs. wide, course N.W. banks 25 ft. high.
39.00	head of draw, 50 lks. wide, course West.
40.00	Set a sandstone, 15x8x5 ins, 10 ins, in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
48.00	Hat creek, and Ft Robinson tellegraph line, course N 70° W.
54.50	Enter barren washouts, course E and W.
58.00	Leave washouts,
59.20	Old Stage road to Cheyenne, course N.W. and S.E.
75.00	Enter barren and broken clay, and

Subdivisions. T. 32 N. — R. 55 W. Continued

Chas 80.78	gravel washout, course E and W. Intersect 8th Standard, at a point, 13.22 chs. East, of true point for standard cor. to secs. 31. and 36. T 33 N. Rs. 54 and 55 W. at which point, I set a sandstone, 18X13X4½ ins, 12 ins. in the ground, for closing cor. to secs. 1. and 2. marked, cc. with, 1 notch on E, and, 5 notches on W. edges, and raised a mound of stone, 2 ft. high, 4½ ft. base, around stone. Land, broken. Soil - 3rd and 4th rates. Hotimber.
Chas	Iron the cor. to secs. 2. 3. 34. and 35: on the S. boundary of the township, True. North bet. secs. 34. and 35: Va. 15° 30' E. Ascend, over broken spurs.
40.00	Set a sandstone, 17X9X7 ins, 12 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits, 18X18X12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. Cor. stands on E slope of mountain spur.
80.00	Set a sandstone, 20X9X7 ins, 14 ins. in the ground for cor. to secs. 26. 27. 34. and 35: marked, with 1 notch on S. and, 2 notches on E. edges, dug pits, 18X18X12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land high, broken, ~~and mountainous~~. Scattering timber in canons.

Subdivisions. T. 32 N.

chas	
	East on a random line, bet. secs. 26. and 35.
	Va 15° 30' E.
	Over broken mountain spurs.
7.00	Enter timber, and descend.
28.00	Canon, 250 ft. deep, course North.
	Good pine timber.
	Thence ascend,
40.00	Set temporary ¼ sec. cor. and descend.
60.00	Canon 100 ft. deep, course N E.
	Thence ascend spur,
74.00	top of spur, course N. and S.
	Thence, descend,
80.24	Intersect N. and S. line, 10 lks. W. of cor. to secs. 25. 26. 35. and 36.
	Thence True,
	N. S. 89° 56' W. on a true line, bet. secs. 26. and 35. with same va.
40.12	Set a sandstone, 18x14x3 ins, 12 ins in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits, 18x18x12 ins E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside

R. 55 W. Continued.

chas	
	From which
	A pine, 6 ins. diam. bears N 73° W. 150 lks. dist. marked ¼ S. B.T.
	No other tree within limit.
80.24	The cor. to secs. 26. 27. 34. and 35.
	Sand - broken and stony.
	Timber - pine, 73.24 chs.
	~~Whole line runs over mountainous land.~~

North bet. secs. 26. and 27.
Va. 15° 30' E.
Over broken mountain spurs.
Descend,
20.00 Head of canon, 40 ft. deep, course N E.
Thence ascend, over mountain spurs.
40.00 Set a sandstone, 17x7x6 ins, 12 ins in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits, 18x18x12 ins. N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
Thence descend.

Subdivisions. T. 32 N.

Chas	
68.00	Canon, with rocky sides, 80 ft. deep, course, NE, and ascend,
80.00	Set a sandstone, 20x10x6 ins, 14 ins, in the ground, for cor. to secs. 22. 23. 26. and 27. marked, with, 2 notches on S. and E. edges, dug pits, 18x18x12 ins in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside, This cor. is about 500 ft. above the water in the head of Hat creek. Land, high, broken, and sandy. Soil, 3rd. rate. Not timber. 80.00 Pine ~~Whole line runs over mountainous land,~~

R. 55 W. Continued.

Chas	
	East on a random line, bet. secs. 23. and 26. Va. 15° 30' E.
	Descend, over cliffs, peaks, and spurs of mountains,
20.00	Enter timber.
40.00	Set temporary ¼ sec. cor. and descend, to
61.00	West bank of East Hat creek, canon, 100 ft. deep, perpendicular, course NW. I now set my flagman, due North, on the East side of Hat, creek, from point of measure, and set point, in my east line, and cross, canon, and from point set due North, I run East 4 chs. Thence, I run South, to East line, Thence East, and at,
80.66	Intersect N. and S. line, 62. lks. N. of cor. to secs. 23. 24. 25. and 26. Thence I run, N 89° 33' W on a true line, bet secs. 23. and 26. with same va.

Subdivisions. T. 32. n — R. 55 W. Continued.

chas	
40.33	A pine tree, 6 ins, diam, which I marked ¼ S. COR. on N. side, for ¼ sec. cor., and raised a mound of stone, around tree.
80.66	The cor. to secs. 22. 23. 26. and 27. Land, to broken, to describe. Timber, Pine, some good saw, timber 60.66 chs. Whole line runs over mountainous land. July 3rd 1883
	North bet. secs. 22. and 23. Va. 15° 30' E.
	Descend, over broken ground.
8.00	Enter timber
11.00	Canon, 30 ft. deep, rocky sides, descends, N.E.
	Thence ascend, over broken ground
40.00	top of stone ridge, 500 ft. above water in creek below, and Set a sandstone, 16 x 9 x 4 ins, 11 ins, in the ground, for ¼ sec. cor., marked ¼ on W. face. dug pits, 18 x 18 x 12 ins,

chas	
	N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. From which, A pine, 7 ins, diam, bears N 14° E. 144 lks. dist, marked ¼ S. BT. A pine, 8 ins, diam, bears, N 72° W. 139 lks. dist. marked, ¼ S. BT. Thence descend over rocky bluff, and mountain spurs, to
64.70	East Hat creek, 10 lks. wide, 4 ins. deep, current swift, course N.E. Thence through thick brush, to
78.00	Foot of gravel hill, 30 ft. high, and ascend, to
80.00	Set a sandstone, 17 x 9 x 7 ins, 12 ins, in the ground, for cor. to secs. 14, 15, 22, and, 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, alongside.

Subdivisions. T. 32. n. R. 55 W. Continued.

From which,
An Elm, 18 ins. diam, bears, S 78° 50' W
185 lks. dist. marked, R 55 W, S. 22, BT.
An Elm, 12 ins. diam, bears, N 85° W.
230 lks. dist. marked, T 32 n. S. 15. BT.
An Elm, 3 ins. diam, bears, S 18° E.
178 lks. dist. marked, S. 23. BT.
The north ½ mile follows down North slope of mountain, covered with dead timber.
Land, - broken, and worthless,
Timber, - Pine, - on mountain,
Elm, Ash, Cottonwood, and willow, 72. chs.
80. Whole line runs over mountainous land,

chas East on a random line, bet secs, 14 and 23.
Va. 15° 30' E.
Ascend West slope of mountain spur, through pine timber.
24.00 Foot of perpendicular cliff, 40 ft. high, course N. and S.
35.00 East edge of rocky cliff, 50 ft. perpendicular,
Thence descend abruptly, to,
40.00 Set temporary ¼ sec. cor. on side of mountain. and descend,
43.50 Head of canon 75 ft. deep, descends, North, and ascend over broken spurs.
69.00 Elkhorn point 300 ft. above canon, stands, 3 chs. S. of line.
and descend,
80.50 Intersect N. and S. line, 36 lks. S. of cor. to secs. 13. 14. 23. and 24.
Thence Irun,
S. 89° 45' W. on a true line, bet. secs, 14. and 23. with same va.
40.25. Set a sandstone, 20 X 14 X 4 ins,

Subdivisions. T. 32 N.

Chas	
	14 ins. in the ground, for 1/4 sec. cor. marked 1/4 on, W. face. dug pits, 18x18x12 ins. E. and W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside. From which, A pine, 16 ins. diam. bears, S 14° W. 45 lks. dist. marked, 1/4 S. BT. A pine, 8 ins. diam. bears, S. 43° 45' E 80 lks. dist. marked 1/4 S. BT. Cor. stands on steep N.E. slope of mountain side.
80.50	The cor. to secs. 14, 15, 22, and 23, land broken mountain spurs, Timber, - pine, - 80.50 chs.
80.50	~~Whole line runs over mountainous land.~~

R. 55 W. Continued.

Chas	
	North bet secs. 14, and 15 Va. 15° 30' E. Along West slope of mountain spur, through pine timber.
20.00	Leave timber.
40.00	Set a sandstone, 14x7x6 ins, 10 ins, in the ground for 1/4 sec. cor. marked 1/4 on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside, and descend.
45.00	Canon, 3 chs. wide, course West, canon forks, 4 chs. East of line. Thence over rolling mountain side.
80.00	Set a sandstone, 15x10x6 ins, 10 ins, in the ground, for cor. to secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches, on E. edges, dug pits, 18x18x12 ins, in each sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, along side.

Subdivisions. T. 32 N.

chas	
	Land, rolling and broken,
	Soil, 2nd and 3rd rate,
	Timber, Pine, 20 chs.
80.70	~~Whole line runs over~~ mountainous land.
	East on a random line, bet. secs. 11. and 14.
	Va. 15° 30' E.
	Ascend West slope of mountain,
23.00	Head of canon, Descends N.W. and ascend steep mountain side.
40.00	Set temporary ¼ sec. cor.
43.00	Enter timber,
45.50	Top of mountain spur, 450 ft. high, course N.W. and S.E. and descend,
49.00	Head of canon 150 ft. deep descends N.E. Thence over broken spur,
63.00	Head of canon, 250 ft. deep, course N.E. and ascend,
68.00	perpendicular, cliff, 60 ft. high,

R. 55 W. Continued.

chas	
	course S. and N.E.
70.50	top of sharp, ridge, course N. and S. and pine tree, 8 ins diam. on line, Thence descend
80.70	Intersect N. and S. line, 36 lks. S. of cor. to secs. 11. 12. 13. and 14. Thence I run, S. 89° 45' W. on a true line, bet. secs. 11. and 14. with same va.
40.35	Set a sandstone, 18x8x7 ins, 12 ins. in the ground, for ¼ sec. cor. marked ¼ on, N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high 3½ ft. base, along side.
80.70	The cor. to secs. 10. 11. 14. and 15. Land, high broken mountain spurs, and deep canons, Timber, Pine, 37.70 chs.
80.70	~~Whole line runs over~~ mountainous land.

Subdivisions. T. 32 N.

chas	
	North bet. secs. 10. and 11.
	Va. 15° 30' E.
	Descend along mountain side
40.00	Set a sandstone, 16x9x4 ins, 11 ins in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
46.00	Drain 2 chs. wide, course West. Leave mountain land.
	Thence over gently rolling ground
80.00	Set a sandstone, 18x9x6 ins, 12 ins, in the ground, for cor. to secs. 2. 3. 10. and 11. marked with 5 notches on S. and 2 notches on E. edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side. Land on mountain, broken, 4th rate, balance, gently rolling, 3rd rate. ~~No timber.~~
	46 chs. of line, runs over mountainous land.

R. 55 W. Continued.

chas	
	East on a random line, bet secs. 2. and 11.
	Va. 15° 30' E.
	Over rolling, and broken ground,
21.00	Drain, 20 ft. deep, course North.
36.00	Draw, 4 chs. wide, 50 ft. deep, brush, and timber along banks, course, North.
40.00	Set temporary ¼ sec. cor.
62.00	Creek, 3 lks. wide, banks, 30 ft. high, course North, timber along banks.
79.74	Intersect N. and S line, 19 lks. N. of cor. to secs. 1. 2. 11. and 12.
	Thence Irun,
	N 89° 52' W. on a true line bet. secs. 2. and 11. with same va.
39.87	Set a sandstone, 16x7x5 ins, 11 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
79.74	The cor. to secs. 2. 3. 10. and 11.

Subdivisions. T. 32. N.

R. 33 W. Continued.

Chas

Land, rolling, and broken
Soil, 2nd and 3rd rate.
Scattering timber along drains.

North, true, between 2. and 3.
2 a. 15° 30' E.

Over gently rolling ground,

40.00 Set a sandstone, 6 x 8 x 14 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, 3½ ft. dist and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side,

80.40 Intersect 8th Standard parallel N., at a point, 13.70 chs. E. of standard cor. between 33 and 34. T 33 N. R 5 W, at which point, I set a sandstone 20 x 10 x 14½ ins, 14 ins, in the ground, for closing cor. to secs. 2. and 3, marked CC. with 2 notches on E. and 4 notches on N. edges, dug pits, 18 x 18 x 12 ins E. and W. of stone, 3½ ft. dist,

and raised a mound of earth, 3 ft. high, 4½ ft. base, alongside,
Land, gently rolling,
Soil, 2nd rate,
No timber.

July 4th 1883

Before proceeding with this Survey I test my Instrument on the line established last night and find it correct

Subdivisions. T. 32 N.

Chas	
	From the cor. to secs. 3, 4, 33, and 34 on the S. boundary of the township, I run, North bet. secs. 33 and 34, Va. 15° 30' E. through timber, and over mountain spurs.
0.70	bottom of canon 100 ft. deep, course W.N.W. and ascend over high, broken ridges, or mountain spurs.
18.00	Top of spur, course E. and N. thence descend, to,
32.00	Canon, 100 ft. deep, descended N.W. and ascend over rough and broken land, Leave timber,
40.00	Set a sandstone, 14x6x6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., Mound S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, along side,
60.00	Top of ridge, 4300 ft. above mouth in Flat creek, Thence descend,

R. 55 W. Continued.

Chas	
77.00	Canon 50 ft. deep, course N.W. Thence ascend,
80.00	Set a sandstone, 24x9x6 ins., 16 ins. in the ground, for cor. to secs. 27, 28, 33, and 34, marked, with 1 notch on S. and 3 notches on E. edges, dug pits, 18x18x12 ins., in each sec. 5 3/4 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, along side, Land, high, rolling, and broken, Soil, 3rd rate, Timber, - pine, - 32, chs. Whole line runs over mountainous lands.
	East on a random line, bet. secs. 27 and 34, Va. 15° 30' E. Over high, rolling, and broken land,
30.00	Enter timber,
40.00	Set temporary 1/4 sec. cor.

Subdivisions, T. 32 N.

Chas	
	Thence descend,
55.00	Canon 100 ft. deep, course North,
	Thence ascend, ~~mountain side~~
60.00	Leave timber
80.26	Intersect N. and S. line, 38 lks. S. of cor. to secs. 26, 27, 34, and 35;
	Thence I run,
	S. 89° 44' W. on a true line, bet. secs. 27, and 34, with, same va.
40.13	Set a sandstone, 14x9x5 ins, 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side,
	From which,
	A pine, 3 ins. diam, bears, S. 20° W. 67 lks. dist. marked, ¼ S. BT.
	A pine, 14 ins. diam, bears, N 75° W. 133 lks. dist. marked, ¼ S. BT.
80.26	The cor to secs. 27, 28, 33, and 34,
	Land, broken mountain spurs.
	Timber, pine, 30 chs.
	~~Whole line, runs over mountain land.~~ 80.26 chs mountainous

R 55 W. Continued.

Chas	
	North, bet. secs. 27, and 28. Va. 15° 30' E.
	Ascend, over high, rough, and broken spurs.
20.00	Enter timber
40.00	Set a sandstone, 16x9x6 ins, 11 ins, in the ground, for ¼ sec. cor. marked, ¼ on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side, No trees large enough to mark, within 5 chs.
71.25	A double pine tree 24 ins, diam,
	Thence descend abruptly, into canon, 50 ft. deep, course N.W.
76.00	Bottom of canon, Thence ascend, to
80.00	point on West slope of spur, 75 ft. above bottom of canon,
	Set a sandstone, 24x12x8 ins, 18 ins in the ground, for cor to secs. 21, 22, 27, and 28, marked with 2 notches, on S. and 3 notches on E edges, and raised a mound of rock, 2 ft.

Subdivisions. T. 32 N.

high, 4½ ft. base, alongside.
From which,
A pine, 16 ins. diam., bears, N 43° 30' E.
98 lks. dist. marked, R 55 W. S 22. BT.
A pine, 14 ins. diam., bears, S 43° E.
85 lks. dist. marked, S 27. T. 32 N. BT.
A pine, 4 ins. diam., bears, South, 47 lks.
dist. marked, LT. BT.
A pine, 6 ins. diam., bears N 80° 15' W.
26 lks. dist. marked, S. 21. BT.
No tree S.W. large enough to mark,
Land, high, and broken, composed
of table land, and spurs of mountain.
Timber, pine, 60. chs.
80.00 ~~Whole line runs over mountainous~~
land.

East on a random line, bet. secs.
22. and 27.
Va. 15° 30' E.
Ascend over broken ~~mountain~~ spurs
through, pine timber,

R 55 W. Continued.

Chas	
4.00	Top of broken table land,
30.00	Descend side of ridge,
40.00	Set temporary ¼ sec. cor. and descend,
45.00	Bottom of canon, 275 ft. deep, course North, stony banks, covered with pine timber,
	Thence, ascend to broken ridge, bearing East.
80.70	Intersect N. and S. line, 33 lks. N. of cor. to secs. 22. 23. 26. and 27.
	Thence, I run,
	N 89° 46' W. on a true line bet. secs. 22. and 27. with same va.
40.35	A pine tree, 6 ins. diam., which I marked ¼ S. COR. on N. side for ¼ sec. cor.
	From which,
	A dead pine, 10 ins. diam. bears, N 14° E. 30 lks. dist. marked, ¼ S. BT.
	No other tree near.
80.70	The cor. to secs. 21. 22. 27. and 27.
	Land, broken, and stony, 4th rate.
	Timber, pine, 80.70 chs.
54.75	~~Whole line runs over mountainous~~
	~~land.~~

Subdivisions. T32N.

Chas	
	North bet. secs. 21. and 22. Vr. 15° 30' E.
	Ascend, over high broken ridges, through pine timber.
7.00	Top of ridge, and descend.
16.00	Canon, 75 ft. deep, descends West. Thence ascend,
30.00	Top of ridge, 150 ft. high, course E. and W. and descend, abruptly,
33.00	Canon (near head) 150 ft. deep, course NW. and ascend,
40.00	Set a sandstone, 36x14x12 ins, 24 ins in the ground, for 1/4 sec. cor. marked, 1/4 on W. face, and raised a mound of rock, alongside, From which, A pine, 16 ins. diam. bears. S. 8° W. 20 lks. dist. marked 1/4 S. BT. A pine, 4 ins. diam. bears. N 8° E. 41 lks. dist. marked, 1/4 S. BT. Thence ascend,
54.00	Top of rocky ridge, 400 ft. high, course E. and W. and descend.
61.00	Bottom of canon, 200 ft. below hill, course NW. and ascend,

R. 55 W. Continued.

Chas	
77.00	Top of spur, 250 ft. above bottom of canon, W of line, and descend North.
80.00	Set a sandstone, 20x10x8 ins, 14 ins. in the ground, for cor to secs. 15, 16, 21, and 22, marked with 3 notches on S. and E. edges, and raised a mound of stone, 2 ft. high, 4½ ft. base, alongside, From which, A pine, 24 ins. diam. bears. N 23° E. 100 lks dist. marked, R 55 W. S. 15. BT. A pine, 8 ins. diam. bears. S 53° 30' E. 72 lks. dist. marked, S 22. BT. A pine, 3 ins. diam. bears. S 14° 30' W. 104 lks. dist. marked, S. 21. BT. A pine, 8 ins. diam. bears. N 5° 25' W. 112 lks. dist. marked T 32 N. S. 16. BT. Sand, rough, and broken, covered with good sawtimber in canons. Timber, pine - 80 chs. ~~A hole line runs over mountainous land.~~ 80.00 Chs mountainous

Subdivisions. T. 32 N. R 55 W. Continued.

Chas	
	East on a random line, bet secs. 15. and 22.
	Va. 15° 30' E.
	Ascend, through timber,
10.00	Top of rocky ridge, 300 ft. high, course N. and S. and descend. to,
17.00	Canon, 125 ft. deep, course N.W. head 10 chs. South, Thence, ascend,
24.00	Sharp stone ridge, course N.E. and, S.W. and descend,
28.00	Head of canon, 70 ft. deep course N.E.
32.00	bottom of canon, thence ascend,
40.00	Set temporary ¼ sec. cor. on top of mountain spur, 200 ft. high, and descend,
58.00	Foot of slope, course, N. and S. and ascend,
64.00	Top of spur, 100 ft. high, course N.E. and descend to Hat creek canon,
70.00	Low bottom, of Hat creek, covered with thick brush.
75.00	East Hat creek, water 10 lks. wide, 10 ins. deep, current rapid, flows North.

Chas	
78.00	Leave low bottom, and ascend steep gravel bank 30 ft. high, along creek,
80.62	Intersect N. and S. line, 43 lks. S. of cor. to secs. 14. 15. 22. and 23. Thence Irun, S 89° 42' W. on a true line bet. secs. 15. and 22. with same va.
40.31	Set a sandstone, 18x10x7 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, and raised a mound of rock alongside. Frome which, A pine, 14 ins. diam, bears, S 81° W. 30 lks. dist. marked, ¼ S. T. 32 N. BT. A pine, 16 ins. diam, bears, N 48° 15' W. 55 lks. dist. marked, ¼ S. R 55 W. S 15. BT. A pine, 8 ins. diam, bears, S 39° 30' W. 19 lks. dist. marked, ¼ S. S 22. BT
80.62.	The cor. to secs. 15. 16. 21. and 22, Land-broken, Spurs, and canons. Timber-pine, 80.62 chs.
	80.62 Chains ~~Whole line runs over~~ mountainous land,

Subdivisions. T. 32 N.

Chas	North bet secs. 15, and 16, Va. 15° 30' E.
	Descend N. slope of mountain through pine timber,
20.00	Leave timber,
40.00	Set a sandstone, 16x10x5 ins, 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, dug pits, 10x18x12 ins. N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside, Cor. stands on E. slope of hill,
	Thence descend,
60.00	Leave mountain slope,
	Thence over rolling ground,
64.00	Enter drain, 2 lks. wide, course N. comes from SE. Thence down bed of drain,
77.00	Leave bed of drain course N.W.
80.00	Set a sandstone, 17x11x6 ins, 12 ins. in the ground, for cor. to secs. 9, 10, 15, and 16, marked with 4 notches on S. and 3 notches on E. edges, dug pits, 18x18x12 ins. in each sec. 5½ ft. dist, and raised

R. 55 W. Continued.

Chas	a mound of earth 2 ft. high 4½ ft. base, alongside, Land on mountain, stony and brushy in valley 2nd rate, Timber, pine 30 chs. 60 chs ~~of this course~~ mountainous land. July 8th 1883
	East on a random line, bet secs. 10, and 15, Va. 15° 30' E.
	Over high rolling prairie,
40.00	Set temporary ¼ sec. cor.,
41.00	Enter brush and timber,
48.00	East Hat creek, water 1 elk wide, 10 ins. deep, current swift, banks 20 ft. high, and stony, Course, North.
72.00	Foot of mountain slope,
	Thence ascend,
94.00	Leave timber,
80.18	Intersect N. and S. line, 18 lks W. of cor. to secs. 10, 11, 14, and 15,

Subdivisions. T. 32 n. R. 53 w. Continued.

Chns		Chns	
	Thence E. on a true line, bet. secs. 10. and 15., with same va.		North bet. secs. 9. and 10, Va. 15° 30' E.
			Over gently rolling ground.
40.09	Set a sandstone, 17x7x4 ins., 18 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, dug pit, 18x18x12 ins. N. and S. of stone, 5⅓ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.	20.00	Enter brush and timber.
		40.00	Set a sandstone, 14x9x4 ins., 10 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, dug pit, 18x18x12 ins. N. and S. of stone, 5⅓ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side. From which,
80.14	The cor. to secs. 9, 10, 15, and 16, bears— first ½ mile, sandy open 2nd rate, last ½ mile, 3rd rate. Timber,— Cottonwood, and Boxalder, with, willow, and plum brush 10. chs.		A cottonwood, 8 ins. diam., bears S. 44 30 W. 30 lks. dist. marked ¼ S. B.T. A cottonwood, 8 ins. diam., bears N. 66 30 W. 32 lks. dist. marked ¼ S. B.T.
	30.18 chs. a line runs over mountainous land.	53.00	Perpendicular bank of Hat creek, 40 ft. high, course NE. and SW.
		54.30	Hat creek, at Beaver dam, 30 lks. wide, runs NE.
		60.00	Leave brush, and timber.
		80.00	Set a sandstone, 14x8x8 ins., 10 ins. in the ground, for cor. to secs. 3, 4, 9, and 10, marked, with 3 notches on S. and 3 notches on E. edges.

Subdivisions. T. 32 n.

Chas	
	dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base, along side.
	Sand, gently rolling.
	Soil, sandy, 2nd rate.
	Timber, cottonwood, and ash, with plum, and willow brush, 40 chs.
	East on a random line, bet. secs. 3. and 10.
	Va. 15° 30' E.
	Over gently rolling ground
4.00	Hat creek, 15 lks. wide, 1 ft. deep, current rapid, course North, brush and timber along banks.
40.00	Set temporary ¼ sec cor.
48.00	Drain, 1 ch wide, course North.
	The N.W. cor. of pole fence enclosing about 20 acres, bears South, 8 chs. dist.
53.00	Spring branch, 3 lks. wide, banks.

R. 55 w. Continued.

Chas	
	18 ft. high, course North.
70.00	Drain, 2 chs. wide, course North.
80.20	Intersect N. and S. line, at cor. to secs 2. 3. 10. and 11.
	Thence Trm.
	West on a true line bet. secs. 3. and 10. with same va.
40.10	Set a sandstone, 14x9x7 ins, 10 ins in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, ~~N~~ E and ~~S~~ W of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
80.20	The cor. to secs. 3. 4. 9. and 10.
	Sand, gently rolling.
	Soil, 2nd rate.
	~~No~~ Timber, ~~except~~ along Hat. creek.
	North, true, bet. secs. 3. and 4.
	Va. 15° 30' E.
	Over gently rolling ground.
40.00	Set a sandstone, 17x9x5 ins, 12 ins.

Subdivisions. T. 32 N. R. 55 W. Continued.

Chas	in the ground, for ¼ sec. cor. marked ¼ on W. face. dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.	Mr. S. F. Emmons, claims the N. W. ¼ of sec. 3. in this township, and has a ranch, corrall, and other improvements on the same.
80.10.	Intersect 8th standard, parallel N. at a point, 14.30 chs. East. of the standard cor. to secs. 34. and 35. T 33 N. R 55 W. at which point I set a sand stone, 18x8x6 ins, 12 ins in the ground, for closing cor. to secs. 3. and, 4, marked, CC. on, S. face, with, 3 notches, on E. and W. ~~edges~~ faces. dug pits, 18x18x12 ins, S. E. and W. of stone, 5½ ft. dist. and, raised a mound of earth, 2 ft. high, 4½ ft. base, along side. A mag on road crosses the standard line, 2.40 chs. West of. closing cor. Sand, - rolling; Soil, - sandy, - good 2nd rate. No timber.	

Subdivisions. T. 32. n. R. 55. W. Continued.

Chas	
	From the cor. to secs. 4. 5. 32. and 33. on the South boundary of the township,
	Trun,
	North bet. secs. 32. and 33.
	Va 15° 30' E.
	Descend over broken, land.
2.75	Cheyenne, and Hat creek, road, course N.E. and S.W.
20.00	Head of canon, 30 ft. deep, Descends N.W. and, Enter pine timber.
	Thence, ascend,
40.00	Set, a sandstone, 18x6x4 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face, dug pits, 10x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
	From which,
	A pine, 6 ins. diam. bears, N 85° 30' W. 100 lks. dist. marked, ¼ S. BT.
	No other tree large enough to mark,
56.10	Pine tree, 20 ins. diam. on line. and descend steep, N.E. slope of spur,

Chas	
64.00	Canon, 100 ft. deep, course East. thence ascend,
74.00	Pine tree, 24 ins. diam.
80.00	Top of rocky ridge, 450 ft. high, course, N.E. and S.W.
	Set a sandstone, 20x8x8 ins, 14 ins, in the ground, for cor. to secs. 28. 29. 32. and 33. marked with, 1 notch, on S. and 4 notches on E. edges, and raised a mound of rock, 2 ft. high, 4½ ft. base, along side,
	From which,
	A pine, 4 ins. diam, bears, N 62° 15' E. 36 lks. dist. marked, S 28. BT.
	A pine, 5 ins. diam, bears S. 61° 15' E 39 lks. dist. marked S. 33. BT.
	A pine, 10 ins. diam, bears, S 10° 20' W. 83 lks. dist. marked, T. 32 n. R 55. W. S 20. BT.
	A pine, 10 ins. diam. bears, N 58° W. 86 lks. dist. marked S. 29. BT.
	This cor. stands on edge of East slope of table land, bearing N. and S.
	Land, rolling, and broken,
	Some good saw timber along

Subdivisions. T. 32 N.

Chas	
	canons, and on side hills, Timber, - pine, 60 chs. Whole line runs over mountainous land.
	East on a random line, bet. secs 28. and 33, Va. 15° 30' E.
	Descend, over broken spur, through the best of pine timber,
8.00	Descend into Hat creek canon, 450 ft. deep course North.
20.00	Bottom of canon, 1 ch. wide, cross, the Cheyenne road, course North and South. Thence ascend,
24.10	A pine, tree 36 ins. diam.
40.00	Set temporary ¼ sec. cor. on North side of spur of mountain, and ascend,
62.00	Leave timber, Thence over high rolling table land, descending N.E.

R. 55 W. Continued.

Chas	
72.00	Draw or canon, 50 ft. deep course N.W. and ascend,
80.42	Intersect N. and S. line, 23 lks. S. of cor. to secs. 27, 28, 33. and 34 Thence I run, S 89° 50' W on a true line between secs 28. and 33. with same va,
40.21	Set a sandstone, 18x13x5 ins, 12 ins, in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. From which, A pine 15 ins. diam, bears, N 41° 15' E. 30 lks. dist. marked ¼ S. BT. A pine, 8 ins. diam, bears. N 65° W. 19 lks. dist. marked ¼ S. BT.
80.42	The cor. to secs. 28. 29. 32, and 33. Land, - broken, and stony, and covered with a heavy growth of good pines, for lumber. Timber, - pine, - 62 chs.
80.42	~~Whole line runs over mountainous land.~~

Subdivisions T. 32 N.,

Chns	
	North bet. secs. 28. and 29. Va. 15° 30' E.
	Over rocky spurs, and deep canons, through pine timber,
10.00	Descend abruptly over brow side of mountain spur,
18.00	Bottom of canon, 300 ft. below sec. cor. Thence ascend,
23.00	Top of rocky ridge, course E. and W. 100 ft. high, and descend,
40.00	A pine tree, 6 ins. diam. which I marked "4 S. COR." on West side, for 4 sec. cor. and raised a mound of stone around tree,
	Fence continues over broken spurs,
48.00	Top of spur, 80 ft. high and descend,
60.00	Bottom of canon, 150 ft. deep, course, East, and ascend along rocky side of spur,
71.00	Top of rocky spur, 200 ft. high, course, E. and W. and descend, to
80.00	Set a sandstone, 22 x 12 x 4 ins, 12 ins. in the ground, for cor. to secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edges,

R. 33 W. Continued.

Chns	
	From which,
	A pine, 3 ins. diam. bears N 22° 45' E. 42 lks. dist. marked 32. 1. BT.
	A pine, 8 ins. diam. bears S 28° E. 40 lks. dist. marked T. 32 N. 33 W. BT.
	A pine, 42 ins. diam. bears S 42° 30' W. 70 lks. dist. marked 29. R 33 W. BT.
	A pine, 10 ins. diam. bears N 31° 30' W. 65 lks. dist. marked 3. 20. BT.
	Land, broken, and stony,
	Timber, - Pine, ash, cottonwood, and elm, 80. chs
	Whole line runs over mountainous land,
	East on a random line, bet secs. 21 and 28. Va. 15° 30' E.
	Through pine timber, along W. side of spur.
11.00	Descend into Hat creek canon,
8.00	Hat creek, 8 lks. wide, 10 ins. deep, current swift, course, North.

Subdivisional T. 32 N. — R. 55 W. Continued.

Chas	
10.50	Cheyenne wagon road, course N. and S.
15.00	Leave canon and ascend steep bank 25 ft. high,
	Thence ascend over spur of mountain 320 ft. high,
30.00	Top of spur, course N. and S. and descend,
39.40	Canon 2 chs. wide, 40 ft. deep, Descends N.W.
40.00	Set temporary ¼ sec. cor. in canon, and ascend,
45.00	Top of spur, 50 ft. high, course NW. and SE. and descend,
50.00	Bottom of canon, 60 ft. deep, Heads, 4 chs. W. of line, and descends S.W. and ascend
55.00	Top of spur, 70 ft. high, course NW. and SE. Descend,
79.00	~~Head of canon~~, descends W.N.W. Thence ascend,
80.56	Intersect N and S line, 42 lks E. of cor to secs. 21, 22, 27, and 28. Thence N. mag. S 89° 42' W. on a true line bet.

Chas	
	secs. 21 and 28, with same va,
40.28	Point for cor falling in canon, and liable to be destroyed, therefore selected a pine tree, 20 ins diam, 1 ch. West of true point for cor, which I marked 1/4 S. WC, on North side, for witness cor, to ¼ sec. cor. tree stands on West bank of canon.
80.56	The cor. to secs. 20, 21, 28, and 29. Land, broken, mountain spurs, Timber, — Pine, cottonwood, Box elder, Elm, and Ash, — 80.56 chs. Some good saw timber, ~~The line runs over mountainous land.~~

July 6th 1883

Subdivisions. T. 32 n. R. 55 W. Continued.

Chas	
	North bet. secs. 20. and 21 Va. 15° 30' E.
	Over mountain spurs, and through pine timber, Descend,
3.00	Bottom of canon, 25 ft. deep, descends, East. and ascend,
12.00	Top of ridge, 50 ft high, and descend,
20.00	Canon, 20 ft. deep, rocky sides, course, East. and ascend,
30.00	Top of spur, 60 ft high, course East 15 chs. to that creek canon and W. 25 chs. to chain of spurs, Thence descend,
40.00	Set a sandstone, 18x9x7 ins, 12 ins, in the ground, for, 1/4 sec. cor. marked 1/4 on W. face. dug pits, 18x18x12 ins, N. and S. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside. cor. stands, on side hill, No trees large enough to mark, within limit.
46.00	pine, 6 ins. diam,

Chas	
47.00	Canon, 25 ft. deep, with plumb thicket in bed, course East, Thence ascend over broken spurs,
74.00	Descend,
79.00	Canon, 25 ft. deep, descends East, and ascend. to
80.00	Pine tree, 7 ins. diam, which I marked, S. 16. on NE. S. 21. R 55 W. on SE. S. 20. T. 32 n. on SW. and S. 17. on NW. for cor. to secs. 16. 17. 20. and 21, From which, A pine, 4 ins. diam, bears S 86° E. 14 lks. dist. marked BT. A pine, 5 ins. diam, bears N. 45° W. 34. lks. dist. marked BT. Sand, - high, broken mountain spurs, Timber, - Pine, - Ash, and Elm, - 80. chs Some good pine for sawing purposes, 8 1/2° chs. W. hole line runs over mountainous land,

Subdivisions. T. 32 N.

Chas	
	East on a random line, bet. secs. 16. and 21. Va. 15° 30' E.
	Ascend, over broken land through timber.
2.00	Leave canon, course S.E. and descend along side of spur.
24.08	Cheyenne wagon road, course N. and S.
37.50	Hat creek, 8 lks. wide, 10 ins. deep, current rapid, flows North, banks, 25 ft. high.
	Thence ascend.
40.00	Set temporary ¼ sec. cor.
47.00	Descend
50.00	Bottom of canon, 30 ft. deep descends N.W.
	Thence ascend spur of mountain
69.00	Top of spur, 250 ft. high, course, N.W. and S.E.
	Thence descend along side of spur.
79.80	Intersect, N. and S. line 41 lks. S. of cor. to secs. 15. 16. 21. and 22.
	Thence Trim,

R. 55 W. Continued.

Chas	
	S 89° 42' W. on a true line bet. secs. 16. and 21. with same va.
39.90	Set a sandstone, 16x7x5 ins, 11 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face. dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side. No trees large enough to mark, cor. stands 125 lks. S. of steep bank of canon.
79.80	The cor. to secs. 16. 17. 20. and 21. Land, high, broken, and stony. Soil, sandy, 4th rate. Timber, Pine, cottonwood, and boxalder, 79.80 chs.
42	Whole line runs over mountainous land.

Subdivisions. T. 32 N.

Chas	
	North bet. secs. 16. and 17
	Va. 15° 30' E.
1.50	Leave canon, and ascend spur, of mountain, 250 ft. high,
10.00	Top of rocky spur, Bears East, 15 chs, and descends toward Hat creek.
	Thence down N side of spur.
20.00	Bottom of narrow valley, 100 ft. below, top of spur, and ascend
27.00	top of rocky spur, 200 ft. high, course NE. and SW. Extends NE. 20 chs; and descend North slope of mountain.
35.00	Leave timber.
40.00	Set a sandstone, 16x10x7 ins, 11 ins. in the ground, for 1/4 sec. cor. marked, 1/4 on W. face; dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
66.00	Canon, 2 chs. wide, 20 ft. deep, course NE. soon turns North. here leave mountain slope,

R. 55 W. Continued.

Chas	
	and continue over gently rolling ground.
80.00	Set a sandstone, 20x8x7 ins, 14 ins. in the ground for cor. to secs. 8. 9. 16. and 17. marked, with 4 notches on S. and E. edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, — high, broken, spurs, and deep canons. Timber, — Pine, some good for lumber, — 35 chs. 66. chs of line runs over mountainous land
	East on a random line, bet. secs. 9. and 16.
	Va. 15° 30' E.
	Over gently rolling ground.
6.00	Drain, 2 chs. wide, 30 ft. deep, course North.

Subdivisions. T. 32 N.

Chas	
29.50	Cheyenne road, course N. and S.
30.20	Pole fence, and enter plowed field.
39.10	Irrigating ditch, course N. 10° E.
40.00	Set temporary ¼ sec. cor. in Oat. field.
41.00	Potato patch, S.E. 2 chs. wide.
49.00	Enter brush and timber.
49.50	Hat creek, 10 lks. wide, 12 ins. deep, course N.E. Thence down flat bed of creek, covered with dense growth of brush and timber, almost impassible.
66.30	Leave brush and timber, and creek bed.
68.25	Pole fence, course N. and S.
80.28	Intersect N. and S. line, 44 lks. S. of cor. to secs. 9. 10. 15. and 16. Thence Irun, S. 89° 48' W. on a true line bet. secs. 9. and 16. with same va.
40.14	Set a sandstone, 17 x 9 x 7 ins, 12 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.

R. 55 W. Continued.

Chas	
	high, 3½ ft. base, alongside.
80.28	The cor. to secs. 8. 9. 16. and 17
	Land, - rolling.
	Soil, - 2nd and 3rd rate.
	Timber, - Cottonwood, Elm, and ash, with willow, and plum brush.
	17.30 chs.
	Mr. James McChesney, has a vegetable garden, and hay bottom, on the S.E. ¼ of S.W. ¼ and S.W. ¼ of S.E. ¼ of Sec. 9, and on N.W. ¼ of N.E. ¼ and N.E. ¼ of N.W. ¼ of sec. 16. with cabin, and stable, on the N.W. ¼ of N.E. ¼ sec. 16. and raises the finest vegetables, consisting of potatoes, cabbage, Onions, beans, turnips, tomatoes, and mellons, that I ever ate.
	Water for irrigation is taken from Hat creek.

Subdivisions, T. 32 N.

Chns	
	North bet. secs. 8. and 9.
	Va. 15° 30' E.
	Over high rolling land.
22.00	Drain, 20 ft. deep, course N. 15° W.
40.00	Set a sandstone, 16 x 9 x 6 ins, 11 ins in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits, 18 x 18 x 12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside, From which, a spring bears S 50° E. 4 chs. dist. Spring branch runs paralell with line, about 4 chs. East.
64.00	Spring branch, course N.W.
80.00	Set a sandstone, 20 x 10 x 7 ins, 14 ins. in the ground, for cor. to secs 4. 5. 8. and 9. marked 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, 4½ ft. base, alongside, Land, high, rolling, and broken, 3rd rate. No timber.

R. 55 W. Continued.

Chns	
	East on a random line, bet secs. 4. and 9.
	Va. 15° 30' E.
	Over gently rolling ground.
40.00	Set temporary ¼ sec. cor.
63.25	Cheyenne road, course N. and S.
80.12	Intersect N. and S. line, 10 lks. S. of cor. to secs. 3. 4. 9. and 10.
	Thence Trun.
	S. 89° 56' W. on a true line bet. secs. 4. and 9. with same va.
40.06	Set a sandstone, 16 x 8 x 5 ins, 11 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits, 18 x 18 x 12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80.12	The cor. to secs. 4. 5. 8. and 9.
	Land, - gently rolling,
	Soil - sandy, - 2nd rate.
	No timber.

Subdivisions. T. 32 N.

Chas	
	North, true, bet. secs. 4. and 5. Va. 15° 30' E. Over rolling prairie,
40.00	Set a sandstone, 17 x 8 x 8 ins, 12 ins in the ground, for 1/4 sec. cor. marked 1/4 on W. face, drg pits, 18 x 18 x 12 ins W. and S. of stone, 3 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside.
48.00	Enter timber,
44.00	Sawbelly creek 20 lks wide, 1 ft. deep, course NE.
49.50	Same creek, 15 lks wide, course NW.
59.00	Same creek, 15 lks. wide, course N 5° E.
66.00	Same creek, 20 lks wide, course NW.
70.50	Same creek, 12 lks. wide, course NE, and leave timber,
74.00	Bank of creek, 30 ft. high, course NE. and South,
80.60	Intersect 8th Standard parallel N. at a point, 14.22 chs. E. of standard cor. to secs. 33, and 34, T. 33 N. R. 33 W. At which point, I set a sandstone, 18 x 8 x 6 ins, 12 ins. in the ground, for

R. 33 W. Continued.

closing cor. to secs 4. and 5, marked, C.C. on S. face, with, 4 notches on E. and 2 notches on W. edges drg pits, 18 x 18 x 12 ins S. E. and W. of stone, 3 1/2 ft. dist, and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, alongside. Land, first 1/2 mile, rolling, and 2nd rate, balance, 3rd rate. Timber, - Cottonwood. 29, 30 cts. A new cabin has just been built on the West 1/2 of SE 1/4 of Sec. 5, and belongs to Arnold Uplinger, who claims the West 1/2 of SE 1/4 of sec 5, the W 1/2 of NE 1/4, and the NE 1/4 of NW 1/4 of Sec. 8.

July 7th 1888

Tested Instrument on line established last night and found it correct

Subdivisions, T. 32 N.

Chas	
	From the cor to secs 5, 6, 31, and 32, on the South boundary of the township, Trun, North bet. secs. 31, and 32, Va. 15° 30' E.
	Over high, rolling table land Descends N E,
40.00	Set a sandstone, 17x6x4 ins, 12 ins in the ground for 1/4 sec. cor, marked 1/4 on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, along side and descend, N Slope of mountain to
80.00	Set a sandstone, 16x10x4 1/2 ins, 11 ins in the ground, for cor. to secs. 29, 30, 31, and 32, marked with 1 notch, on S. and, 5 notches, on E. edges, dug pits, 18x18x12 ins, in each sec. 5 1/2 ft. dist and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, along side Trun which, A pine, 7 ins. diam, bears N 33° 15' E.

R. 55 W. Continued.

Chas	
	319 lks. dist. marked, S. 29, T 32 N. R 55 W. BT. E. No other trees within 5 chs. Land, high, and rolling, Soil, 2nd to 4th rates, Scattering pine timber, 40 chas ~~[illegible]~~ mountain ~~land~~
	East on a random line, bet. secs. 29, and 32. Va. 15° 30' E.
	Over high, rolling table land.
40.00	Set temporary 1/4 sec. cor.
50.00	Enter scattering timber,
60.24	Intersect N. and S. line, 36 lks N. of cor. to secs. 28, 29, 32, and 33, Thence Trun, N 89° 45' W. on a true line bet. secs. 29, and 32, with same va.
40.12	Set a sandstone, 14x12x5 ins, 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, dug pits, 18x18x12 ins E. and W. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft.

Subdivisions. T. 32. n.

chos	
	high, 3½ ft. base, alongside.
80.24	The cor. to secs. 29. 30. 31. and 3
	Land, high, rolling,
	Soil, 3rd rate.
	~~Timber, scrubby pine, 30.24 chs.~~
	~~Whole line runs over mountainous land~~
	West on a random line, bet. secs. 30. and 31.
	Va. 15° 30' E.
	Over high broken mountain range.
	Descend,
41.00	Bottom of canon, 20 ft. deep, course N.E. and ascend,
30.00	Enter pine timber, and descend.
40.00	Set temporary ¼ sec. cor.
41.00	Bottom of canon, 30 ft. deep course North
[illegible]	Thence ascend,
49.00	Top of ridge, 75 ft. high, course N. and S. and descend,
60.00	Canon, 50 ft. deep, descends N.E. and ascend,
70.00	Leave timber,

R. 55 W. Continued.

chos	
80.04	Intersect West boundary of township, 31 lks. S. of cor. to secs. 25. 30. 31. and 36.
	Thence I run,
	S 89° 47' E. on a true line, bet. secs. 30. and 31. with same va.
40.04	Set a sandstone, 26 x 12 x 6 ins. 17 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face and raised a mound of rock alongside,
	From which,
	A pine, 4 ins. diam. bears, N 4° 30' E. 22 lks. dist. marked, ¼ S. BT.
	A pine, 14 ins. diam. bears, S 20° 5' E. 43 lks. dist. marked, ¼ S. BT.
80.04	The cor. to secs. 29. 30. 31. and 32.
	Land, high, broken, and stony,
	Soil, 3rd rate.
	Timber, pine, 40.00 chs.
	Some good saw timber in canon.
	80.04 chs ~~Whole line runs over~~ mountainous ~~land~~

Subdivisions. T. 32 N.

Chap	
	North bet. secs. 29. and 30. Va. 15° 30' E.
	Over broken mountain spurs through pine timber.
1.00	Bottom of canon, 30 ft. deep descends, N.E. Thence, ascend
32.00	Top of mountain spur, 50 ft. high, and descend,
39.60.	Bottom of canon, 50 ft deep, course East and ascend,
40.00	Set a sandstone, 20X14X4 ins, 14 ins, in the ground, for 1/4 sec. cor. marked, 1/4 on W. face. dug pits, 18X18X12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. From which, A pine, 7 ins. diam, bears, N 33° 30' E. 9 lks. dist. marked, 1/4 S. BT. A pine, 4 ins. diam, bears, S 56° W. 15 lks. dist. marked 1/4 S. BT. Thence ascend,
40.90	Pine tree, 10 ins. diam
43.00	Top of ridge, 60 ft. high, course E.

R. 55 W. Continued.

Chap	
	and, W. thence descend,
46.00	Head of canon, 30 ft. deep course N.E. Thence over rocky ridge, 50 ft. high,
57.00	Head of canon, 40 ft. deep, course East. then over ridge, 60 ft. high,
69.00	Head of canon, 50 ft. deep, course East, and ascend,
80.00	Set a sandstone, 20X12X10 ins, 14 ins, in the ground, for cor. to secs, 19. 20. 29. and 30. marked, with, 2 notches on S. and, 5 notches on E. edges. dug pits, 18X18X12 ins, in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. From which, A pine, 6 ins. diam, bears, N 14° E. 34 lks. dist. marked, S. 20. BT. A pine, 20 ins. diam, bears, S 3° E. 20 lks. dist. marked S. 29. T. 32 N. BT. A pine, 8 ins. diam, bears, S 50° 30' W. 32 lks. dist. marked, S. 30. R 55 W. BT. A pine, 18 ins. diam, bears, N 25° 30' W. 175 lks. dist. marked, S. 19. BT. Cor. stands at head of canon, 30 ft.

Subdivisions, T. 32 N.

Chas	deep, course East,
	Land, broken, and stony.
	Timber, pine, 80 chs
	~~Whole line runs over~~ 80.00 chs mountainous ~~land~~.
	East on a random line, bet. secs. 20. and 29.
	Va. 15° 30' E.
	Through heavy pine timber, along mountain spur,
10.00	Descend N.E. slope of spur, 400 ft. above water in hat creek,
36.00	Canon, 60 ft. deep, course S.E. forks 2 chs. S. of line, and ascend abruptly over steep side of mountain spur,
40.00	Set temporary ¼ sec. cor.
41.00	perpendicular, stone cliff, 40 ft. high, bears, S 30° E. and N 80° W.
	Thence descend, over broken spurs,
63.00	Canon, 20 ft. deep, course N.E. and ascend.
80.36	Intersect N. and S. line, 34 lks. [illegible]

R. 55 W. Continued.

chas	of cor. to secs. 20. 21. 28. and 29.
	Thence Irm,
	N 89° 45' W. on a true line, bet. secs. 20. and 29. with same va.
40.18	Set a sandstone, 24x18x5 ins, 16 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face. From which
	A pine, 20 ins. diam, bears N 51° 15' E. 38 lks. dist. marked, ¼ S. BT.
	A pine, 18 ins. diam, bears, S 55° 45' E. 53 lks. dist. marked, ¼ S. BT.
80.36	The cor. to secs. 19. 20. 29. and 30.
	Land, rocky, and broken.
	Soil, 4th rate.
	Timber, pine, 80.36. chs.
	~~Whole line runs over~~ mountainous ~~land~~.
	Along the West ½ of this line, is a large amount of the very best of saw timber, ~~and~~ which can be moved out through the canon.

Subdivisions, T. 32 N.

Chns	
	West on a random line, bet. secs. 19. and 30.
	Va. 15° 30' E.
	Ascend over mountain spurs, through heavy pine, timber, suitable for saving.
12.00	top of divide, bet. Hat. and Sawbelly creeks, and descend,
40.00	Set temporary ¼ sec. cor. descend
48.00	Bottom of canon, 40 ft. deep, rocky sides, course, NW. and ascend, over sharp spur, 100 ft. high, course NW. and SE.
63.00	Spring branch, in canon 100 ft. deep, course NW. and ascend over rocky spur, 75 ft. high.
78.00	Rocky canon, 50 ft. deep, course NE. and ascend,
79.60	Intersect W. boundary of township, 33 lks. N. of cor to secs. 19. 24. 25. and 30. Thence I run,
	N. 89° 46' E. on a true line, bet. secs. 19. and 30. with same va.
39.60	A pine tree, 10 ins. diam, which I marked, ¼ S. COR. on N. side, for, ¼ sec. cor. and set a sandstone, 14x12x4 ins, 10 ins in the

R. 55 W. Continued.

Chns	
	ground, at foot of tree,
	Cor. stands, 3 chs. S. of canon, 100 ft. deep descending West.
79.60	The cor. to secs. 19. 20. 29. and 30.
	Land, high, rocky spurs, and deep canons
	Soil, 4th rate.
	Timber, pine, 79.60 chs.
79.60	~~Whole line runs over~~ mountainous land.

	North bet. secs. 19. and 20
	Va. 15° 30' E.
	Ascend, through heavy pine timber,
12.00	Top of divide, bet. Hat, and Sawbelly course NE. and SW
	Thence over ridges, and Heads of canons, descending, NW.
40.00	Set a sandstone, 16x10x6 ins, 11 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face. From which,
	A pine, 18 ins. diam, bears, East. 93 lks. dist, marked, ¼ S. BT.
	this tree stands at the foot of, a

Subdivisions. T. 32 N.

chas	
	bare perpendicular rock, 20 ft. high.
	A pine, 5 ins. diam., bears, S 12° W. 80 lks. dist. marked ¼ S. B.T.
	Thence over broken and rocky bluff
50.00	Head of canon, 30 ft. deep, descends W. and ascend,
58.00	Top of ridge, 350 ft. high, bears N 60°.
65.00	Leave table land, course N.W. and S.E. and descend,
80.00	A pine tree, 10 ins. diam., which I marked, R 55 W. S 17. on N.E. T. 32 N. S. 20. on S.E. S. 19. on S.W. and S. 18. on N.W. faces for cor. to secs. 17, 18, 19, and 20, and raised a mound of rock around tree.
	Land, high, broken, and worthless except for timber,
	In the East ½ of sec. 19. is a large amount of the best yellow pine trees, from 50 to 100 ft. high.
	Timber, pine, 80 chs.
80.	Whole line runs over mountainous land

July 8th 1883

Subdivisions. T 32 N. R 55 W. Contin.

chas	
	East on a random line, bet. secs. 17. and 20. Va. 15° 30' E.
	Ascend, side of spur of mountain, through pine timber
10.00	Top of stone ridge, 200 ft. high, course N 15° E. with sharp buttes, from 20 to 50 ft. high, along ridge,
	Thence descend,
17.00	Bottom of canon, 100 ft. deep descends N.E. and ascend,
30.00	Top of stone ridge, 3 chs. wide bears N. and S. connects with main ridge, 8 chs. S. of line, and descend along side of mountain.
40.00	Set temporary ¼ sec. cor. in head of canon descends N.W. and ascend abruptly.
45.00	Top of spur, of mountain, 2 chs. wide, bears N. and S 70° W. 250 ft. high, and descend,
56.00	Bottom of canon, 100 ft. deep, descends South, and ascend, side of spur,
62.00	top of spur, barren rocks, 1 ch. wide

Subdivisions T. 32 N.

Chas	
	250 ft. high, course N. and S.
	10 chs. N. is, brute, 40 ft. high,
	1 ch. wide,
	Thence descend,
79.00	Enter canon, descends East.
80.70	Intersect N. and S. line, 50 lks. S.
	of cor. to secs. 16. 17. 20. and 21.
	Thence I run,
	S 89° 39' W. on a true line, bet. secs.
	17. and 20. with same va.
40.35	Set a sand stone, 26x16x6 ins, 18 ins.
	in the ground, for 1/4 sec. cor. marked,
	1/4 on N. face.
	From which,
	A pine, 16 ins. diam, bears N. 52° E.
	41 lks. dist. marked 1/4 S. B.T.
	A pine, 8 ins. diam, bears S. 35° E.
	29 lks. dist. marked 1/4 S. B.T.
80.70	The cor. to secs. 17. 18. 19. and 20.
	Land, — high broken spurs, and
	deep canons, covered with pine tim
	Some good saw timber, in canons.
	Timber, — pine, 80.70 chs.
80	~~Whole line runs over~~ mountainous la

R. 55 W. Continued.

Chas	
	West on a random line bet.
	secs. 18. and 19.
	Va. 15° 30' E.
	Ascend, along N.E. side of spur,
30.00	Top of spur, 350 ft. high, course
	N.W. and S.E.
40.00	Set temporary 1/4 sec. cor.
48.50	Descend, over almost perpendicular
	cliffs, to
60.30	Sawbelly creek, 20 lks. wide, 10 ins.
	deep, flows rapid, course N.E.
	and ascend,
78.74	Intersect W. boundary of township,
	54 lks. S. of cor. to secs. 13. 18. 19. and 24.
	Thence I run,
	S 89° 37' E. on a true line, bet. secs
	18. and 19. with same va.
38.74	A pine tree, 5 ins. diam, which I
	marked, 1/4 S. COR. on N. side, for
	1/4 sec. cor. and raised a mound of rock,
	around tree.
78.74	The cor. to secs. 17. 18. 19. and 20.
	Land, — Broken, stony, mountain spurs.
	Timber, — pine, and willow brush, 78.74 chs.
	Whole line runs over mountainous land,

Subdivisions. T. 32 N.

Chas	
	North bet. secs. 17. and 18.
	Va. 15° 30' E.
	Down side of mountain, through pine timber.
31.00	Canon, 50 ft. deep, descends N E.
40.00	Set a sandstone, 18x7x6 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, From which, A pine tree, 4 ins. diam, bears, N 31° 30' E. 46 lks. dist. marked, ¼ S. BT. A pine, 3 ins. diam, bears, N 22° W. 68 lks. dist. marked, ¼ S. BT. and descend,
50.00	Foot of mountain, course E. and S.W. here leave timber.
	Thence over rolling ground.
80.00	Set a sandstone, 14x9x7 ins, 10 ins. in the ground, for cor. to secs. 7. 8. 17. and 18. marked, with 4 notches on S. and 5 notches on E. edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side. Land, - on mountain, broken, 4 rd

R. 55 W. Continued.

Chas	
	balance, rolling, 2nd and 3rd rate, Timber, - pine, - 50 chs. 50 chs. ~~of line runs over~~ mountainous ~~land~~.
	East on a random line bet. secs. 8. and 17.
	Va. 15° 30' E.
	Over high rolling land, along foot of mountain.
22.00	Drain, 25 ft. deep, course North.
40.00	Set temporary ¼ sec. cor.
52.00	Drain, 20 ft. deep, course North.
79.74	Intersect N. and S. line, 29 lks. S. of cor. to secs. 8. 9. 16. and 17.
	Thence Trun.
	S 89° 48' W. on a true line bet. secs. 8. and 17. with same va.
39.87	Set a sandstone, 16x9x5 ins, 11 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and

Subdivisions. T. 32 N. R. 55 W. Continued.

Chas	
	raised a mound of earth, 1½ ft. high, 3½ ft. base, along side
79.74	The cor to secs, 7. 8. 17. and 18. Land - high, and rolling. Soil - 3rd rate. No timber.
	West on a random line, bet secs, 7. and 18. Va. 15° 30' E. Over rough, and broken land.
19.00	Enter brush and timber.
21.40	Sawbelly creek, 18 lks. wide, 10 in. deep, current swift, flows, N.E.
22.40	Perpendicular cliff, 30 ft. high, course N.E. and S.W. Thence ascend East slope of mountain.
40.00	Set temporary ¼ sec. cor. on slope of mountain.
78.30	Intersect W. boundary of township, 38 lks. N. of cor. to secs, 7. 12. 13. and 18. Thence Irun,

Chas	
	N 89° 44' E. on a true line, bet. secs, 7. and 18. with same va.
38.30	Set a sandstone, 14x7x6 ins, 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face. From which, A pine, 4 ins. diam, bears, N 20° E. 17 lks. dist. marked, ¼ S. BT. A pine, 3 ins. diam, bears S 10° W. 81 lks. dist. marked ¼ S. BT.
78.30	The cor to secs, 7. 8. 17. and 18. Land, high, and broken. Soil - sandy, 3rd. rate. Timber, pine, cottonwood, and willow, 59.30 chs. 55.90 chs. of ~~line runs over~~ mountainous ~~land~~.

Subdivisions. T. 32 N.

Chas	
	North bet. secs. 7. and 8.
	Va. 15° 30' E.
	Over gently rolling prairie.
40.00	Set a sandstone, 17x6x6 ins, 12 ins. in the ground, for ¼ sec. cor. marked ¼ on W. f. ace. dug pits, 18x18x12 in. N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
54.00	Enter brush and timber.
63.20	Sowbelly creek, 2 alks. wide, course
74.00	Leave brush and timber.
80.00	Set a sandstone, 18x9x6 ins, 12 ins. in the ground, for cor. to secs. 5. 6. 7. and 8. marked, with, 5 notches on S. and E. edges, dug pits, 18x18x12 in. in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side.
	Land, gently rolling.
	Soil, sand, and clay, good 2nd rate
	Timber, cottonwood, and willow brush 20 chs.
	A large amount of land, in

R. 55 W. Continued.

Chas	
	secs. 5. 7. and 8. can be irrigated from Sowbelly creek,
	Arnold Uplinger has a cabin in sec. 5. and some improvements in sec. 8.
	East on a random line bet. secs. 5. and 8.
	Va. 15° 30' E.
	Over gently rolling land.
6.50	Sowbelly creek, 20 lks. wide, comes from the South, and runs East, Enter timber, and follow down bed of creek.
40.00	Set temporary ¼ sec. cor.
44.00	Leave creek bed, course N.E.
	thence over high rolling land.
79.84	Intersect N. and S. line, at cor. to secs. 4. 5. 8. and 9.
	Thence True,
	West on a true line bet. secs. 5. and 8. with same va.

Subdivisions. T. 32 N.,

Chas	
39.92	Set a sandstone 17x10x6 ins, 12 ins in the ground, for ¼ sec. cor., marked, ¼ on N. face. dug pit, 18x18x12 ins, E. and W. of stone, 3½ ft. distant, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. No trees, near enough to mark.
79.84	Cross, to secs. 5, 6, 7, and 8. Land- rolling- 2nd and 3rd rate. Timber- cottonwood, and willow, 37.50 chs.
	West on a random line, bet. secs. 6. and 7. (Va. 15° 30' E. Over gently rolling prairie.
32.00	Enter willow brush.
34.50	West branch of Dowdelly creek, 6 links wide, 1 ft. deep, current swift, course N.
37.00	Leave brush.
40.00	Set temporary ¼ sec. cor.
52.50	Draw 1 ch. wide, course NE.

R. 55 W. Continued.

Chas	
74.50	Drain, 2 chs. wide, course North,
78.60	Intersect N. boundary of township, 44 lks. N. of cor. to secs. 1. 6. 7. and 12. Fence Trees, N. 89° 40' E. on a true line bet. secs. 6. and 7. with same va.
38.60	Set a sandstone, 17x7x4 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face. dug pit, 18x18x12 ins, E. and W. of stone, 3½ ft. distant, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
78.60	Pos. cor. to secs. 5. 6. 7. and 8. Land- gently rolling. Soil- sand, and clay- 2nd and 3rd rate. Brush- 5 chs.

Subdivisions. T. 32 N.

chos	North an true line bet. secs. 5. and 6. Va. 15° 30' E.
	Over flat prairie.
40.00	Set a sandstone, 17x8x7 ins, 12 ins, in the ground, for 1/4 sec. cor. marked 1/4 on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
72.00	Barren gravel washout, 4 chs wide, course N.E.
79.88	Intersect 8th Standard parallel, W. at a point, 15.48 chs. East of Standard cor. to secs 32, and 33 T. 33 N. R 55 W. at which point I set a sandstone, 18x7x4 ins, 12 ins in the ground, for closing cor. to secs. 5. and 6. marked CC. on S. face, with 5 notches on E. and 1 notch on W. edges, dug pits, 18x18x12 S.E. and W. of stone, 5½ ft. dist, and, raised a mound of earth, 2 ft. high 4½ ft. base, alongside.
	Land, level, sandy, and 2nd rate.
	No timber. July 9th 1883

R. 55 W. Continued.

General Description

This Township contains nearly every variety of land from mountains to plains and the soil ranges from 1st rate to worthless the soil along the 2nd Flat Creek Sow-belly and Bog Creek is from 1st to 2nd rate and a considerable of the land extending back from those creeks can be irrigated. Those Creeks afford a large supply of water for irrigation there is 3 permanent settlements in this Township. The one in Secs. 9. and 16. and another in Sec. 3. the other is in Secs. 5. and 8. James McChesney the settler in Secs. 9. and 16. has about 30 acres broke and has an irrigation ditch around the most of it and raised, garden, Oats, Corn, potatoes, about 800 bus. Onions 400. bus. Beans, Cabbage, turnips, Pumpkins, Tomatoes, and Melons. the finest I ever seen. Every variety of

grain can be grown on the low
in valley in this Tp. This
Township has large forests of
good white pines saw tim
in it and Millions of feet ca
be cut out of it the most
of the timber can be got
out through the Canyons
The U.P. Robinson and Cheyenn
Telegraph line runs throug
the N.E. portion of this Tp.
also the road to U.P. Robinso
to Hat-Creek runs through
the N.E. portion of the Tp.

U.S. Surveyor Generals office
Plattsmouth Nebraska
1884

The foregoing field notes
of the Survey of the subdivis-
ional lines of Tps. 32 N. Range
55 W 6th P.M. in Nebraska
Executed by George W
Fairfield U.S. Deput. Surveyor
under his contract No 15
dated September 14. 1882
during the months of
July 1883. having been
critically examined the
necessary corrections
and explanations made
the said field notes and
the survey they describe
are hereby approved

D.W. Stephenson
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.