General Land Office • Original Field Notes

Book Number

686

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(63)

W. F. Hickey Deputy Surveyor.

T. 29 **North R.** 49 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 29 North Range 49 West

6th Principal Meridian.

BY

W. F. Hickey Deputy Surveyor.

Under his Contract of Nov. 10th 1881.

Survey Commenced

Survey Completed

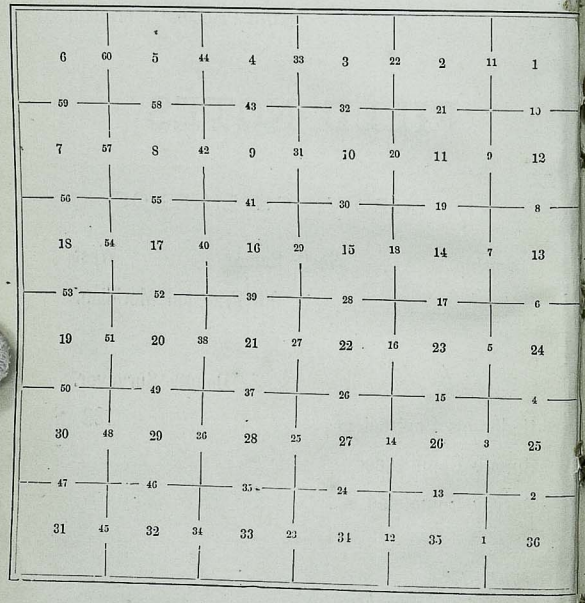
Platted,
Copied for Washington,
Copied for Register,

T 29-32 N
R 49 W

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

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

.....6th Principal Meridian.



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

.....6th Principal Meridian.

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

..... 6th Principal Meridian

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

..... 6th Principal Meridian.

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

Before proceeding to subdivide this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

(See previous page,) Township 29 North Range 49 West 6th Principal Meridian

Chains	
	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36.
	Variation 15° 10' East.
	Descend. gradually
35.00	Cross Creek, 30 lks. wide, Course S. 80° E. and ascend.
40.00	Set a sand stone 10 x 12 x 15 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a sand stone 30 x 8 x 10 ins. 22 ins. in the ground for Cor. to Secs. 25, 26, 35 & 36 marked with / notch on S. and / notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass

Township 29 North Range 49 West 6th Principal Meridian.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 14° 35' East.
	Descend. gradually
40.00	Set temporary ¼ sec. cor.
62.00	Cross Wash, 40 lks. wide, Course S. and ascend.
79.86	Intersect E. B. of Tp. 14 lks. South of cor. to secs. 25, 30, 31 & 36 from which corner, I run S. 89° 54' W. on a true line, between sections 25 & 36
	Variation 14° 35' East.
39.98	Set a sand stone 10 x 10 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins. N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.86	The corner to sections 25, 26, 35 & 36.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 14° 50' East.
	Ascend. gradually.
	Cross Road, bears, S. 8½ E. & N. 8½ W.
22.00	Top of Spur, bears N. W. & S. E. and descend.
30.00	Cross Wash, 150 lks. wide, Course S. 15° E and ascend.
40.00	Set a sand stone 9 x 8 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. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.00	Top of Spur, bears N. W. & S. E. and descend.
61.00	Cross Wash, 200 lks. wide, Course S. 20 E and ascend.
80.00	Set a sand stone 12 x 8 x 6 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 mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 14° 25' East.
	Descend.
20.00	Cross Wash, 30 lks. wide, Course S. 30° E and ascend.
30.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
56.00	Cross Wash, 30 lks. wide, Course S. 15 W and ascend.
79.98	Intersect E. B. of Tp. 19 lks. North of cor. to secs. 19, 24, 25 & 30 from which corner, I run N. 89° 52' W on a true line, between sections 24 & 25. Variation 14° 45' East.
39.99	Set a sand stone 20 x 8 x 8 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.98	The corner to sections 23, 24, 25 & 26
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 14° 45' East.
	Ascend. gradually
6.00	Top of Spur, bears N. W. & S. E. and descend.
29.30	Cross Wash, 40 lks. wide, Course S. 28° E and ascend.
30.00	Top of Spur, bears N. 20° W. & S. 20° E. and descend.
39.00	Cross Wash, 20 lks. wide, Course S. 30° E and ascend.
40.00	Set a sand stone 20 x 10 x 5 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
45.00	Top of Spur, bears N. E. & S. W. and descend.
49.00	Cross Wash, 40 lks. wide, Course N. 30° E and ascend.
54.00	Top of summit bet. Running Water and Cottonwood bears E. and W. and descend.
80.00	Set a sand stone 20 x 8 x 11 ins. 15 ins. in the ground for Cor. to Secs. 13, 14, 23 & 24 marked with 3 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.
	Aug. 15th 1882.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 14° 30' East.
	Descend. gradually
9.00	Cross Wash, 40 lks. wide, Course N. 30° E and ascend.
27.00	Top of Spur, bears North & South and descend.
30.00	Cross Wash, 30 lks. wide, Course N. 20° E and ascend.
35.00	Top of Spur, bears North and South and descend.
40.00	Set temporary ¼ sec. cor.
80.16	Intersect E. B. of Tp. 8 lks. South of cor. to secs. 13, 18, 19 & 24 from which corner, I run S. 89° 57' W. on a true line, between sections 13 & 24 Variation 14° 30' East.
40.08	Set a sand stone 10 x 10 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.16	The corner to sections 13, 14, 23 & 24
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

North, between Sections 13 and 14.

Variation 14° 45' East.

Chains	
	Descend. gradually.
23.00	Cross Wash, 40 lks. wide, Course N. 80° E and ascend.
27.00	Top of Spur, bears N. 65° E. & S. 65° W. and descend.
40.00	Set a sand stone 10 x 12 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.35	Cross Creek, 50 lks. wide, Course N. 85° E and ascend.
61.95	Cross Road, bears, N. 80° E. & S. 75° W.
80.00	Set a sand stone 20x 9x 8 ins. 15 ins. in the ground for Cor. to Secs. 11, 12, 13 & 14 marked with 4 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 2nd. & 3rd. rate
Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

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

Variation 14° 35' East.

Chains	
	Over level land
40.00	Set temporary ¼ sec. cor.
61.00	Leave Valley, bears N. 75° E. & S. 75° W. and ascend.
70.00	Top of Spur, bears North and South and descend.
80.31	Intersect E.B. of Tp. 23 lks. South of cor. to secs. 7 12, 13 & 18 from which corner, I run S. 89° 50' W. on a true line, between sections 12 & 13 Variation 14° ~~30~~ 35' East.
40.16	Set a sand stone 10 x 12 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.31	The corner to sections 11, 12, 13 & 14

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

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 14° 50' East.
	Ascend. gradually
40.00	Set a sand stone 20 x 11 x 8 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
44.00	Top of Spur, bears N. W. & S. E. and descend.
49.61	Cross Wash, 50 lks. wide, Course S. 30° E. and ascend.
60.00	Top of Spur, bears S. E. & N. W. and descend.
65.21	Cross Wash, 20 lks. wide, Course S. E. and ascend.
76.50	Top of Spur, bears S. E. & N. W. and descend.
80.00	Set a sand stone 10 x 10 x 10 ins. 7 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 14° 30' East.
	Ascend. gradually.
9.00	Top of Spur, bears North & South and descend.
23.00	Cross Wash, 50 lks. wide, Course S. 40° E. and ascend.
40.00	Set temporary ¼ sec. cor.
57.00	Top of Spur, bears North & South and descend.
80.04	Intersect E. B. of Tp. 11 lks. North of cor. to secs. 1, 6, 7 & 12 from which corner, I run N. 89° 55' W. on a true line, between sections 1 & 12. Variation 14° 30' East.
40.02	Set a sand stone 12 x 8 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.04	The corner to sections 1, 2, 11 & 12.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 15° 00' East.
	Descend. gradually.
1.50	Cross Wash, 30 lks. wide, Course S. 20° W and ascend.
24.00	Top of Spur, bears N. W. & S. E. and descend.
34.00	Cross Wash, 35 lks. wide, Course S. 30° E and ascend.
40.00	Set temporary ¼ sec. cor.
46.00	Top of Spur, bears N. W. & S. E. and descend.
58.00	Cross Wash, 40 lks. wide, Course S. 35 E and ascend.
77.00	Top of Spur, bears N. W. and S. E. and descend.
80.13	Intersect N. B. of Tp. 16 lks. West of cor. to secs. 1, 2, 35, & 36 from which corner, I run S. 7 W on a true line, between sections 1 & 2. Variation ~~15° 00' 14° 50'~~ East.
40.13	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and N. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.13	The corner to sections 1, 2, 11 & 12 Land mountainous. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 15° 20' East.
	Descend. gradually.
29.50	Enter Valley, bears E. & W.
40.00	Set a sand stone 14 x 12 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
54.91	Cross ~~Running Water~~ Creek, 25 lks. wide, Course East.
65.00	Leave Valley, bears East & West and ascend.
80.00	Set a sand stone 14 x 12 x 8 ins. 9 ins. in the ground for Cor. to Secs. 26, 27, 34 & 35 marked with / 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 level. and ~~mountainous~~ Hilly. Soil 2nd. & 3rd. rate. Vegetation Bunchgrass. Aug. 16th 1882.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 14° 50' East.
	Along south slope.
23.20	Cross Wash, 20 lks. wide, Course South.
40.00	Set temporary ¼ sec. cor.
68.00	Cross Wash, 180 lks. wide, Course South.
80.32	Intersect N. & S. line, 12 lks. South of cor. to secs. 25, 26, 35 & 36 from which corner, I run S. 89° 55' W. on a true line between sections 26 & 35. Variation ~~15° 00'~~ 14° 50' East.
40.16	Set a sand stone 12 x 10 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.32	The corner to sections 26, 27, 34 & 35. Land rolling. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 26 and 27. Variation 15° 00' East.
	Ascend. gradually
27.79	Cross Road, bears, S. 85° W. & N. 85° E.
40.00	Set a sand stone 10 x 10 x 10 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
68.50	Top of Spur, bears N. 20° E. & S. 20° W and descend.
80.00	Set a sand stone 20 x 14 x 10 ins. 15 ins. in the ground for Cor. to Secs. 22, 23, 26 & 27 marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Land ~~mountainous~~ Rolling Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 23 and 26.
Variation 14° 45' East.

Chains	
	Ascend.
2.50	Top of Spur, bears N. 20° E. & S. 20° W. and descend.
27.32	Cross Wash, 2.50 lks. wide, Course S. 20° E. and ascend.
40.00	Set temporary ¼ sec. cor.
59.50	Top of Spur, bears North & South and descend.
80.10	Intersect N. & S. line, 6 lks. North of cor. to secs. 23, 24, 25 & 26 from which corner, I run N. 89° 57' W. on a true line between sections 23 & 26
	Variation ~~15° 15'~~ 14° 45' East.
40.05	Set a sand stone 14 x 12 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.10	The corner to sections 22, 23, 26 & 27
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

North, between Sections 22 and 23.
Variation 15° 10' East.

Chains	
	Descend.
32.40	Cross Wash, 16 lks. wide, Course West and ascend.
40.00	Set a sand stone 14 x 12 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
41.00	Top of Spur, bears East & West and descend.
46.00	Cross Wash, 100 lks. wide, Course West and ascend.
60.00	Top of Ridge, bears N. 65° W. & S. 65° E. and descend.
80.00	Set a sand stone 12 x 10 x 10 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 14° 45' East.
	Descend.
11.92	Cross Gulch, 20 lks. wide, Course N. 50° W. and ascend.
27.50	Top of Spur, bears N. 15° W. & S. 15° E. and descend.
40.00	Set temporary ¼ sec. cor.
48.36	Cross Gulch, 30 lks. wide, Course N. 50° E. and ascend.
79.88	Intersect N. & S. line, 33 lks. North of cor. to secs. 13, 14, 23 & 24 from which corner, I run N. 89° 46' W. on a true line between sections 14 & 23 Variation ~~15° 10'~~ 14° 45' East.
39.94	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. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.88	The corner to sections 14, 15, 22 & 23. Land mountainous. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° 10' East.
	Descend.
28.71	Cross Road from Running Creek to Cottonwood bears N. 85° E. & S. 85° W.
29.30	Cross Gulch, 500 lks. wide, Course S. 85° E. and ascend.
40.00	Set a sand stone 12 x 10 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Top of Spur, bears N. 60° W. & S. 60° E. and descend.
60.90	Cross Wash, 200 lks. wide, Course S. 50° E. and ascend.
80.00	Set a sand stone 12 x 10 x 10 ins. 8 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Land mountainous. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 11 and 14.

Variation 14° 50' East.

Chains	
	Ascend: gradually.
1.50	Top of Spur, bears N. W. & S. E. and descend.
9.34	Cross Gulch, 30 lks. wide, Course S. 43° E. and ascend.
21.50	Top of Spur, bears N. W. and S. E. and descend.
40.00	Set temporary ¼ sec. cor.
53.84	Cross Wash, 30 lks. wide, Course S. and ascend.
79.72	Intersect N. & S. line, 46 lks. North of cor. to secs. 11, 12, 13 & 14 from which corner, I run N. 89° 40' W. on a true line between sections 11 & 14
	Variation ~~14° 50'~~ 15° 00' East.
39.86	Set a sand stone 10 x 10 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.72	The corner to sections 10, 11, 14 & 15

Land mountainous.
Soil 2nd. & 3rd. rate
Vegetation Bunchgrass.

Aug. 17th 1882.

Township 29 North Range 49 West
6th Principal Meridian.

North, between Sections 10 and 11.

Variation 15° 00' East.

Chains	
	Ascend.
1.50	Top of Spur, bears N. W. and S. E. and descend.
8.75	Cross Gulch, 20 lks. wide, Course S. E. and ascend.
23.50	Top of Spur, bears N. W. and S. E. and descend.
40.00	Set a sand stone 14 x 10 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Enter dry wash N. W. & S. E.
64.00	Leave dry wash N. W. & S. E.
80.00	Set a sand stone 10x 10x 4 ins. 7 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 2nd. & 3rd. rate
Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 14° 50' East.
	Over level land
34.53	Cross Wash, 125 lks. wide, Course S. 40° E.
40.00	Set temporary ¼ sec. cor.
48.00	Cross Gulch, 18 lks. wide, Course S. 40° E and ascend.
54.00	Top of Spur, bears S. E. & N. W. and descend.
64.81	Cross Gulch, 40 lks. wide, Course S. and ascend.
78.00	Top of Spur, bears S. E. & N. W. and descend.
79.96	Intersect N. & S. line, 9 lks. South of cor. to secs. 1, 2, 11 & 12 from which corner, I run S. 89° 56' W. on a true line between sections 2 & 11 Variation ~~15° 10'~~ 14° 50' East.
39.95	Set a Sand stone 10 x 6 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on A. face, and raised a mound of stone. Pits impracticable.
79.96	The corner to sections 2, 3, 10 & 11 Land ~~34.53~~ 45.37 lks level. and ~~45.37~~ lks mountainous. Soil 2nd. & 3rd rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian

Chains	North, on a random line between Sections 2 and 3. Variation 15° 10' East.
	Over level land
37.13	Cross Wash, 20 lks. wide, Course S. E.
40.00	Set temporary ¼ sec. cor.
41.00	Leave Flat bears N. W. & S. E. and ascend.
80.27	Intersect N.B. of Tp. 18 lks. East, of cor. to secs. 2, 3, 34 & 35 from which corner, I run S. 8 E. on a true line, between sections 2 & 3 Variation 15° 10 East.
40.27	Set a Sand stone 12 x 12 x 12 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
80.27	The corner to sections 2, 3, 10 & 11 Land level. and Rolling ~~mountainous~~. Soil 2nd & 3rd rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 33 and 34. Variation 15° 10' East.
	Ascend.
29.00	Top of Spur, bears N. 65° W. & S. 65° E. and descend.
40.00	Set a sand stone 10 x 10 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
43.37	Enter Valley, bears, E. and W.
79.83	Cross Running Water Creek, 50 lks. wide, Course S. 20° E.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 27, 28, 33 & 34 marked T. 29 N. S. 27, on N. E., R. 49 W. S. 34 on S. E., S. 33 on S. W. and S. 28 on N. W. face, with 1 notch on S. and 3 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post. This Cor. is 5 lks. East of line Cor. As first point fell in Creek. Land mountainous. and 3 Secs. level. Soil 2nd & 3rd rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34 Variation 15° 00' East.
	Over level land
10.00	Leave Valley, bears N. W. & S. E. and ascend.
40.00	Set temporary ¼ sec. cor.
~~66.00~~	~~Top of Spur, bears North & South and descend.~~
59.00	Cross Wash, 50 lks. wide, Course S and ascend.
66.00	Top of Hill bears North & South and descend.
80.06	Intersect N. & S. line, 24 lks. North of cor. to secs. 26, 27, 34 & 35 from which corner, I run N. 89° 50' W. on a true line between sections 27 & 34 Variation 15° 00' East.
40.03	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. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.06	Cor. corner to sections 27, 28, 33 & 34. Land mountainous. Soil 2nd & 3rd rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 27 and 28. Variation 15° 10' East.
	Starting from true point cross running water levels ab 79 lks. course S. 5° E.
8.00	Leave Valley, bears N. W. & S. E. and ascend.
33.57	Cross Road, bears, E. & W.
40.00	Set a sand stone 10 x 10 x 10 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a sand stone 20 x 10 x 6 ins. 15 ins. in the ground for Cor. to Secs. 21, 22, 27 & 28 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level and ~~mountainous~~ Rolling
	Soil 2nd. & 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.
	Aug. 18th 1883.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27. Variation 15° 10' East.
	Along on south slope.
40.00	Set temporary ¼ sec. cor.
73.70	Cross Wash, 70 lks. wide, Course S 20° W and ascend.
80.29	Intersect N. & S. line, 10 lks. South of cor. to secs. 22, 23, 26 & 27 from which corner, I run S. 89° 56' W. on a true line between sections 22 & 27
	Variation 15° 00' East.
40.14	Set a sand stone 8 x 6 x 3 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.29	The corner to sections 21, 22, 27 & 28
	Land ~~mountainous~~ Rolling.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 21 and 22. Variation 15° 00' East.
	Ascend. gradually.
35.50	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
43.40	Cross Gulch, 10 lks. wide, Course East and ascend.
52.06	Top of Spur, bears S. 60° E. & N. 60° W. and descend.
59.70	Cross Gulch, 200 lks. wide, Course S. 60° E. and ascend.
75.00	Top of Ridge, bears East & West and descend.
80.00	Set a sand stone 12x 8 x 8 ins. 8 ins. in the ground for Cor. to Secs. 15, 16, 21 & 22 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 2nd & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 15° 10' East.
	Along north slope of ridge
11.34	Cross Gulch, 50 lks. wide, Course N. and ascend.
23.50	Top of Spur, bears North and South and descend.
40.00	Set temporary ¼ sec. cor.
55.86	Cross Gulch, 10 lks. wide, Course South and ascend.
80.08	Intersect N. & S. line, 32 lks. South of cor. to secs. 14, 15, 22 & 23 from which corner, I run S. 89° 46' W. on a true line between sections 15 & 22 Variation 15° 10' East.
40.04	Set a sand stone 8 x 6 x 6 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.08	The corner to sections 15, 16, 21 & 22
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 15° 00' East.
	Descend.
10.85	Running Water & Cottonwood Road bears N. 80° E. & S. 80° W.
40.00	Set a sand stone 12 x 10 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ½ 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.
78.75	Cross Gulch, 400 lks. wide, Course S. 70° E. and ascend.
80.00	Set a sand stone 12 x 10 x 10 ins. 8 ins. in the ground for Cor. to Secs. 9, 10, 15 & 16 marked with 4 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15. Variation 15° 00' East.
	Ascend south slope.
32.00	Top of Spur, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
47.00	Foot of hill and along South Slope.
69.32	Cross Wash, 20 lks. wide, Course S. E. and ascend.
79.94	Intersect N. & S. line, 12 lks. South of cor. to secs. 10, 11, 14 & 15 from which corner, I run S. 89° 55' W. on a true line between sections 10 & 15 Variation 15° 00' East.
39.97	Set a limestone 10 x 10 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ½ on N. face, and raised a mound of stone. Pits impracticable.
79.94	The corner to sections 9, 10, 15 & 16
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 00' East.
	Ascend. gradually.
40.00	Set a sand stone 10 x 8 x 3 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
53.00	Top of Hill bears N. 70° W. & S. 70° E. and descend.
80.00	Set a sand stone 17 x 13 x 9 ins. 13 ins. in the ground for Cor. to Secs. 3, 4, 9 & 10 marked with 5 notches on S. and 3 notches on E. edges and raised a mound of stone. Pits impracticable.
	Land hilly
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.
	Aug. 19th 1882.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 00' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
50.53	Top of Hill bears N. W. and S. E. and descend.
63.72	Cross Wash, 200 lks. wide, Course S. E. and thence
	Over level land
79.96	Intersect N. & S. line, 14 lks. North of cor. to secs. 2, 3, 10 & 11 from which corner, I run N. 89° 54' W. on a true line between sections 3 & 10 Variation 15° 00' East.
39.98	Set a limr stone 12 x 10 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
79.96	The corner to sections 3, 4, 9 & 10
	Land hilly
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	
	North, on a random line between Sections 3 and 4.
	Variation 15° 10' East.
	Over level land
22.53	Top of Hill bears N. 70' W. & S. 70° E. and descend.
40.00	Set temporary ¼ sec. cor.
59.82	Cross Wash, 25 lks. wide, Course S. E. and ascend.
79.86	Intersect N. B. of Tp. 29 lks. East of cor. to secs. 3, 4, 33 & 34 from which corner, I run S. 12' E. on a true line, between sections 3 & 4
	Variation 15° 10' East.
39.86	Set a sand stone 11 x 9 x 3 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
79.86	The corner to sections 3, 4, 9 & 10
	Land hilly
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	
	North, between Sections 32 and 33.
	Variation 15° 10' East.
	Descend over rolling land.
14.00	Cross Wash, 60 lks. wide, Course E. and ascend.
28.00	Top of Spur, bears East & West and descend.
40.00	Set a sand stone 9 x 8 x 10 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and N. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
76.00	Enter Valley, bears, East & West
80.00	Set a sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 28, 29, 32 & 33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Rolling
	Land ~~mountainous~~.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 10' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
40.00	Cross Wash, 30 lks. wide, Course N. 15° E and ascend.
79.61	Intersect N. & S. line, 40 lks. South of cor. to secs. 27, 28, 33 & 34 from which corner, I run S. 89° 43' W. on a true line between sections 28 & 33
	Variation 15° 00 East.
39.81	Set a sand stone 10 x 8 x 5 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., W. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.61	The corner to sections 28, 29, 32 & 33
	Land level. and rolling.
	Soil 2nd. & 3rd rate
	Vegetation. Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 15° 10' East.
	Over level land
31.20	Cross Creek, 50 lks. wide, Course E.
40.00	Set a sand stone 12 x 8 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
56.12	Cross Road, bears, E. & W.
60.00	Leave Valley, bears East & West and ascend.
65.60	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a sand stone 13 x 9 x 7 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level. and Hilly ~~Mountainous~~.
	Soil 2nd & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West 6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15° 00' East.
	Descend. over rolling land.
3.50	Cross Wash, 200 lks. wide, Course S. and ascend.
14.00	Top of Ridge, bears North & South and descend.
32.00	Cross Wash, 40 lks. wide, Course S. and ascend.
40.00	Set temporary ¼ sec. cor.
68.00	Top of Spur, bears North & South and descend.
79.99	Intersect N. & S. line, 6 lks. North of cor. to secs. 21, 22, 27 & 28 from which corner, I run N. 89° 57' W. on a true line between sections 21 & 28 Variation 15° 00' East.
39.99	Set a sand stone 12 x 7 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.99	The corner to sections 20, 21, 28 & 29
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West 6th Principal Meridian

Chains	North, between Sections 20 and 21. Variation 15° 00' East.
	Descend.
15.15	Cross Wash, 150 lks. wide, Course S. 30° E. and ascend.
21.40	Top of Spur, bears East & West and descend.
37.85	Cross Wash, 80 lks. wide, Course S. 20° E. and ascend.
40.00	Set a sand stone 8 x 8 x 9 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
44.83	Cottonwood Road bears N. 70 E. & S. 80° W.
80.00	Set a sand stone 11 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 16, 17, 20 & 21 marked with 3 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.
	Aug. 21st 1882.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15° 00' East.
	Descend. over rolling land.
10.50	Cross Wash, 30 lks. wide, Course S. and ascend.
15.30	Top of Ridge, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
46.00	Cross Road, bears, N. E. & S. W.
50.16	Cross Wash, 15 lks. wide, Course S. 55° E and ascend.
68.00	Top of Spur, bears S. 50 E. & N. 60° W. and descend.
79.82	Intersect N. & S. line, 23 lks. North of cor. to secs. 15, 16, 21 & 22 from which corner, I run N. 89° 50' W. on a true line between sections 16 & 21 Variation 15° 00' East.
39.91	Set a sand stone 9 x 8 x 7 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.82	The corner to sections 16, 17, 20 & 21. Land mountainous. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15° 00' East.
	Ascend. over rolling land.
10.50	Top of Spur, bears N. E. & S. W. and descend.
20.00	Cross Wash, 100 lks. wide, Course S. 20 W. and ascend.
34.25	Top of Ridge, bears East & West and descend.
40.00	Set a sand stone 10 x 7 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
45.00	Cross Wash, 10 lks. wide, Course E. and ascend.
61.45	Top of Spur, bears East & West and descend.
80.00	Set a sand stone 8 x 10 x 12 ins. 5 ins. in the ground for Cor. to Secs. 8, 9, 16 & 17 marked with 4 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Land mountainous. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

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

Variation 15° 00' East.

Chains	
	Ascend.
3.00	Top of Ridge, bears North & South and descend.
12.00	Cross Wash, 200 lks. wide, Course N. and ascend.
15.00	Top of Spur, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
79.64	Cross Gulch, 380 lks. wide, Course S. E. and ascend.
79.99	Intersect N. & S. line, 18 lks. North of cor. to secs. 9, 10, 15 & 16 from which corner, I run N. 89° 52 W. on a true line between sections 9 & 16
	Variation 15° 00' East.
39.99	Set a sand stone 8 x 8 x 16 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and E. of stone 2½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.99	The corner to sections 8, 9, 16 & 17.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

North, between Sections 8 and 9.

Variation 15° 00' East.

Chains	
	Ascend.
18.00	Top of Ridge, bears N. W. and S. E. and descend.
39.00	Enter dry wash, course East.
40.00	Set a sand stone 8 x 12 x 6 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
42.25	Leave wash, course East and ascend.
48.25	Top of Spur, bears East & West. and descend.
80.00	Set a sand stone 12 x 8 x 6 ins. 8 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 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 15° 10' East.
	Descend.
7.00	Cross Gulch, 20 lks. wide, Course S. 30° E and ascend.
15.00	Top of Spur, bears N. W. & S. E. and descend.
23.00	Cross Wash, 80 lks. wide, Course S. E and ascend.
40.00	Set temporary ¼ sec. cor.
56.13	Cross Wash, 20 lks. wide, Course S. 14 E.
80.11	Intersect N. & S. line, 46 lks. North of cor. to secs. 3, 4, 9 & 10 from which corner, I run N. 89° 40' W. on a true line between sections 4 & 9 Variation 15° 10' East.
40.06	Set a sand stone 12 x 12 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor.; marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.11	The corner to sections 4, 5, 8 & 9 Land mountainous. Soil 2nd. & 3rd. rate Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 15° 05' East.
	Descend.
12.26	Cross Wash, 100 lks. wide, Course E. and ascend.
16.06	Top of Spur, bears East and West and descend.
40.00	Set temporary ¼ sec. cor. in low Sag and ascend.
47.00	Top of Spur, bears N. E. & S. W. and descend.
79.54	Intersect N. B. of Tp. 12 lks. West of cor. to secs. 4, 5, 32 & 33 from which corner, I run S. 5 W. on a true line, between sections 4 & 5 Variation 15° 05' East.
39.54	Set a sand stone 10 x 8 x 6 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.54	The corner to sections 4, 5, 8 & 9. Land mountainous. Soil 2nd. & 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. Aug. 22nd 1882.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 31 and 32. Variation 15° 15' East.
	Descend.
9.70	Cross Wash, 70 lks. wide, Course S 20° E and ascend.
17.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a sand stone 14 x 7 x 10 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. low Sag and ascend.
45.00	Top of Spur, bears East & West. and descend.
80.00	Set a sand stone 6 x 8 x 12 ins. 4 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 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 2nd. & 3rd. rate
	Vegetation Bunchgrass,

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 29 and 32. Variation 15° 10' East.
	Ascend. over rolling land.
17.60	Top of Spur, bears North & South and descend.
21.75	Cross Wash, 30 lks. wide, Course N 20° E and ascend.
32.00	Top of Spur, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
79.89	Intersect N. & S. line, 13 lks. North of cor. to secs. 28, 29, 32 & 33 from which corner, I run N. 89° 54' W. on a true line between sections 29 & 32 Variation 15° 00' East.
39.95	Set a sand stone 10 x 13 x 9 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.89	The corner to sections 29, 30, 31 & 32
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

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

Variation 14° 40' East.

Chains	
	Ascend. over rolling land.
3.00	Top of Spur, bears North & South and descend.
10.31	Cross Wash, 30 lks. wide, Course N. and ascend.
15.00	Top of Spur, bears N. E. & S. W. and descend.
40.00	Set temporary ¼ sec. cor.
52.00	Cross Wash, 40 lks. wide, Course S. and ascend.
80.43	Intersect W.B. of Tp. 18 lks. South of cor. to secs. 25, 30, 31 & 36 from which corner, I run S. 89° 52' E. on a true line, between sections 30 & 31
	Variation ~~15° 00'~~ 14° 40' East.
40.43	Set a sand stone 8 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. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.43	The corner to sections 29, 30, 31 & 32
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian

North, between Sections 29 and 30.

Variation 15° 00' East.

Chains	
	Descend.
20.00	Enter Valley, bears, E. & W.
40.00	Set a sand stone 7 x 7 x 12 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.10	Running Water Cross Creek, 70 lks. wide, Course S. 70° E.
70.46	cross Cottonwood Road N. 80° E. & S. 80° W.
80.00	Set a sand stone 14 x 8 x 6 ins. 9 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 15° 20' East.
	Over level land
14.00	Leave Valley, bears S. 65° E. & N. 65° W. and ascend.
27.30	Top of Spur, bears North & South and descend.
36.00	Cross Road, bears, N. E. & S. W.
40.00	Set temporary ¼ sec. cor.
46.12	Cross Wash, 100 lks. wide, Course S. and ascend.
62.00	Top of Spur, bears S. 30 E. & N. 30 W. and descend.
79.79	Intersect N. & S. line, 25 lks North of cor. to secs. 20, 21, 28 & 29 from which corner, I run N. 89° 49' W. on a true line between sections 20 & 29 Variation 15° 20' East.
39.89	Set a sand stone 10 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.79	The corner to sections 19, 20, 29 & 30
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 14° 40' East.
	Over level land
14.00	Cross Wash, 40 lks. wide, Course S.
23.00	Cross Gulch, 20 lks. wide, Course S.
40.00	Set temporary ¼ sec. cor.
53.00	Top of Spur, bears North & South and descend.
80.18	Intersect W. B. of Tp. 11 lks. North of cor. to secs. 19, 24, 25 & 30 from which corner, I run S. 89° 55' E. on a true line, between sections 19 & 30 Variation ~~15° 05'~~ 14° 40' East.
40.18	Set a sand stone 11 x 7 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.18	The corner to sections 19, 20, 29 & 30
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.
	Aug. 23rd 1882.

Township 29 North Range 49 West 6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 15° 05' East.
	Over level land
5.00	Leave Valley, bears N. 65° W. & S. 65° E. and ascend.
27.50	Top of Spur, bears East & West and descend.
40.00	Set a sand stone 8 x 8 x 11 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins.; E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
67.80	Cross Wash, 100 lks. wide, Course S. 40 E and ascend.
70.00	Top of Ridge, bears N. W. & S. E. and descend.
80.00	Set a sand stone 8 x 7 x 13 ins. 5 ins. in the ground for Cor. to Secs. 17, 18, 19 & 20 marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land ~~mountainous~~ Hilly.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West 6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 15° 00' East.
	Descend.
13.75	Cross Wash, 60 lks. wide, Course S. and ascend.
27.00	Top of Ridge, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
54.18	Cross Gulch, 10 lks. wide, Course S. 15° E and ascend.
79.85	Intersect N. & S. line, 30 lks. South of cor. to secs. 16, 17, 20 & 21 from which corner, I run S. 89° 47' W. on a true line between sections 17 & 20
	Variation ~~14° 50'~~ 15° 00' East.
39.93	Set a sand stone 9 x 9 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.85	The corner to sections 17, 18, 19 & 20
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19. Variation 14° 40' East.
	Ascend. along south slope.
12.00	Top of Spur, bears North & South and descend.
26.30	Cross Gulch, 30 lks. wide, Course South and ascend.
35.00	Top of Ridge, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
63.00	Cross Gulch, 10 lks. wide, Course S 15° W and ascend.
79.96	Intersect N. B. of Tp. 5 lks. ~~East~~ North of cor. to secs. 13, 18, 19 & 24 from which corner, I run N. 89° 58' E. on a true line, between sections 18 & 19 Variation 14° 40' East.
39.96	Set a sand stone 10 x 9 x 5 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.96	The corner to sections 17, 18, 19 & 20
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 14° 50' East.
	Ascend. over rolling land.
9.00	Top of Spur, bears N. W. and S. E. and descend.
30.00	Cross Wash, 30 lks. wide, Course S. 40 E and ascend.
35.00	Top of Spur, bears East & West. and descend.
40.00	Set a sand stone 13 x 8 x 7 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in Sag.
69.50	Top of Spur, bears East & West. and descend.
77.00	Cross Wash, 200 lks. wide, Course S. 45 W and ascend.
80.00	Set a sand stone 12 x 5 x 6 ins. 8 ins. in the ground for Cor. to Secs. 7, 8, 17 & 18 marked with 4 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 15° 00' East.
	Descend. over rolling land.
7.80	Cross Gulch, 20 lks. wide, Course N. 30 W. and ascend.
16.30	Top of Spur, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
62.00	Cross Wash, 60 lks. wide, Course S. and ascend.
80.23	Intersect N. & S. line, 26 lks. North of cor. to secs. 8, 9, 16 & 17 from which corner, I run N. 89° 49' W. on a true line between sections 8 & 17 Variation 15° 00' East.
40.11	Set a sand stone 16 x 10 x 3 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.23	The corner to sections 7, 8, 17 & 18
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 15° 00' East.
	Descend.
7.50	Cross Wash, 30 lks. wide, Course N. and ascend.
18.00	Top of Spur, bears North & South and descend.
23.00	Cross Wash, 100 lks. wide, Course North and ascend.
30.00	Top of Spur, bears N. W. and S. E. and descend.
40.00	Set temporary ¼ sec. cor.
79.68	Intersect W. B. of Tp. 19 lks. South of cor. to secs. 7, 12, 13 & 18 from which corner, I run S. 89° 52' E. on a true line, between sections 7 & 18 Variation 15° 00' East.
39.68	Set a sand stone 11 x 7 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.68	The corner to sections 7, 8, 17 & 18.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Aug. 24th 1882.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 7 and 8. Variation 15° 00' East.
	Descend.
12.00	Cross Wash, 13 lks. wide, Course W. and ascend.
17.00	Top of Spur, bears East & West and descend.
22.00	Cross Wash, 20 lks. wide, Course W. and ascend.
29.50	Top of Ridge, bears N. W. & S. E. and descend.
40.00	Set a sand stone 9 x 12 x 8 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.30	Cross Wash, 30 lks. wide, Course East and ascend.
57.00	Top of Ridge, bears East & West and descend.
80.00	Set a sand stone 8 x 8 x 12 ins. 5 ins. in the ground for Cor. to Secs. 5, 6, 7 & 8 marked with 5 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 2nd & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 10' East.
	Descend. over rolling land.
1.60	Cross Wash, 50 lks. wide, Course S. 80° E. and ascend.
16.00	Top of Spur, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
43.14	Cross Wash, 60 lks. wide, Course S. 70° E. and ascend.
52.06	Top of Spur, bears North & South and descend.
79.80	Intersect N. & S. line 3 lks. North of cor. to secs. 4, 5, 8 & 9 from which corner, I run N. 89° 59' W. on a true line between sections 5 & 8 Variation ~~14°~~ 15° 10' ~~50'~~ East.
39.90	Set a sand stone 10 x 7 x 10 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.80	The corner to sections 5, 6, 7 & 8.
	Land mountainous.
	Soil 2nd & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 6 and 7. Variation 14° 40' East.
	Ascend. over rolling land.
11.00	Top of Spur, bears N. W. & S. E. and descend.
17.30	Cross Wash, 60 lks. wide, Course S and ascend.
18.00	Top of Spur, bears North & South and descend.
40.00	Set temporary ¼ sec. cor.
71.00	Cross Wash, 90 lks. wide, Course S. W. and ascend.
79.85	Intersect W. B. of Tp. 9 lks South of cor. to secs. 1, 6, 7 & 12 from which corner, I run S. 89° 56' E on a true line, between sections 6 & 7
	Variation 14° 40' East.
39.85	Set a sand stone 12 x 12 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.85	The corner to sections 5, 6, 7 & 8.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.

Township 29 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 5 and 6. Variation 15° 30' East.
	Descend.
1.40	Cross Gulch, 80 lks. wide, Course S. 80° E. and ascend.
9.60	Top of Spur, bears East & West and descend.
27.30	Cross Wash, 35 lks. wide, Course East and ascend.
40.00	Set temporary ¼ sec. cor.
79.77	Intersect N. B. of Tp. 63 lks. West of cor. to secs. 5, 6, 31 & 32 from which corner, I run S. 2 7' W. on a true line, between sections 5 & 6
	Variation 15° 30' East.
39.77	Set a Iron stone 12 x 7 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.77	The corner to sections 5, 6, 7 & 8.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Bunchgrass.
	Aug. 25th 1882.

GENERAL DESCRIPTION.

The land in this Township is principally rolling and mountainous, in some parts level.

The formation consists chiefly of sand stone and a little lime.

The soil is 2nd. and 3rd. rate, and is well watered by numerous creeks which flow through the Township, which enables it to be well adapted for farming purposes.

The vegetation consits principally of Bunchgrass.

U. S. Surveyor General's Office.

Plattsmouth Nebraska

December 18th 1882

The foregoing Field Notes of the surveys of

of the Subdivision lines of Township No 29 North, of Range No 49 West of the Principal Base and Meridian

in the State of Nebraska executed by

D. F. Hickey No 4

U. S. Deputy Surveyor, under his contract dated November 10th 1881.

In the Month of August 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

D. F. Hickey Deputy Surveyor.

T. 30 **North R.** 49 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 30 North Range 49 West

6th Principal Meridian.

BY

D. F. Hickey Deputy Surveyor.

Under his Contract of Nov. 10th 1881.

Survey Commenced Oct 16th 1882

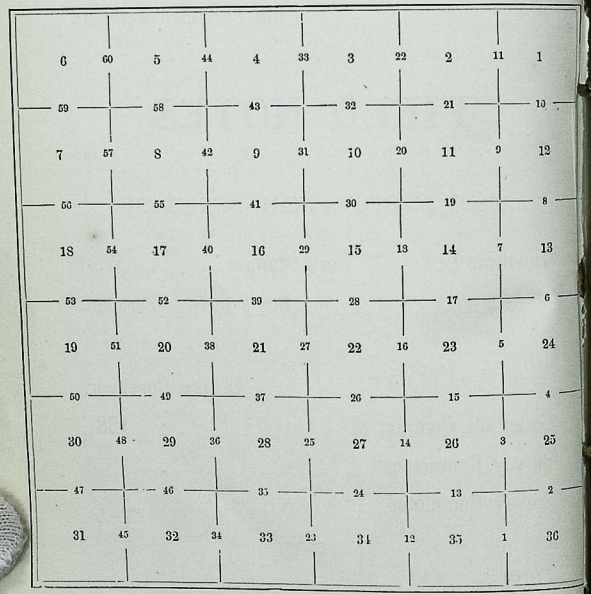
Survey Completed Oct 18th 1882

Platted,
Copied for Washington,
Copied for Register,

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

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

.....6th Principal Meridian.



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

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

.....6th Principal Meridian.

Preliminary Oath of Assistants.

We Henry J Manning & John Lennox Compassman and do solemnly swear that I will well and truly perform the duties of Axeman according to instructions given ~~me~~ us, and to the best of ~~my~~ our skill and ability.

Henry J Manning

John Lennox

Subscribed and sworn to, before me, this 14th day of October, 1882

~~John Lennox~~

C.A. Putnam

NOTARY PUBLIC.

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

F Chandler

Henry Herzog

Subscribed and sworn to, before me, this 14th day of October, 1882

C.A. Putnam

NOTARY PUBLIC.

I, F. Brockerman

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

F. Brockerman

Subscribed and sworn to, before me, this 14th day of October, 1882.

C. F. Putnam

NOTARY PUBLIC.

est Township North Range West

an 6th Principal Meridian.

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

Township 30 North Range 49 West
(See previous page.) 6th Principal Meridian.

Chains	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36. Variation 15° 00' East.
	Descend.
10.00	Enter Sagg, bears E. & W.
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. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.00	Leave Sagg, bears E. & W. and ascend.
70.00	Top of Hill bears E. & W and descend.
79.75	Cross Wash, 20 lks. wide, Course N 87° E and ascend.
80.00	Set a sand stone 8 x 6 x 6 ins. 6 ins. in the ground for Cor. to Secs. 25. 26. 35 & 36 marked with / notch on S. and ∫ notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	48.75 lks. Land mountainous. 31.25 lks. level.
	Soil 2nd & 3rd rate
	Vegetation Limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15° 10' East.
	Descend.
4.38	Cross Gulch, 20 lks. wide, Course N. 80° E. and ascend.
12.00	Top of Hill bears N. & S and descend.
40.00	Set temporary ¼ sec. cor.
68.32	Cross Gulch, 300 lks. wide, Course S. 85° E. and ascend.
80.32	Intersect E. B. of Tp. 31 lks. South of cor. to secs. 25. 30. 31 & 36 (from which corner, I run S. 89° 47' W. on a true line, between sections 25 & 36 Variation 15° 10' East.
40.16	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.32	The corner to sections 25. 26. 35 & 36
	Land mountainous.
	Soil 2nd & 3rd rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 15° 10' East.
	Ascend.
10.00	Top of Spur, bears N 85° W. & S. 85° E. and descend.
20.15	Cross Gulch, 20 lks. wide, Course S. 80° E. and ascend.
31.75	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 6 x 6 x 6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
52.80	Cross Wash, 30 lks. wide, Course S. E. and ascend.
64.50	Top of Hill bears N. W. & S. E. and descend.
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 mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation bunchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 10' East.
	Descend.
40.00	Set temporary ¼ sec. cor.
43.00	Cross Wash, 250 lks. wide, Course S. S. and ascend.
80.06	Intersect E. B. of Tp. 14 lks. South of cor. to secs. 19. 24. 25 & 30 from which corner, I run S. 89° 54' W. on a true line, between sections 24 & 25. Variation 15° 10' East.
40.03	Set a sand stone 12 x 12 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
80.06	The corner to sections 23. 24. 25 & 26.
	Land Rolling.
	Soil 2nd. & 3rd. rate
	Vegetation bunchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 13° 10' East.
	Along East Slope
28.00	Enter Ravine
40.00	**Set a post 3 ft. long, 3 ins. diam.** *12 ins. in the ground, for ¼ Sec. Cor., marked ½ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.*
43.00	Leave Ravine, course S. 70° E. and ascend.
54.50	Top of Spur, bears E. & W and descend.
67.30	Cross Wash, 20 lks. wide, Course W. and ascend.
80.00	Set a Sand stone 20x14x12ins. 15 ins. in the ground for 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. Pits impracticable.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 15° 00 East.
	Ascend.
35.00	Top of Hill bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
43.68	Cross Wash, 250 lks. wide, Course S. E. and ascend.
53.00	Top of Hill bears N. W. & S. E. and descend.
79.82	Intersect E. B. of Tp. 8 lks North of cor. to secs. 13.18.19 & 24 from which corner, I run N. 89° 37' W. on a true line, between sections 13 & 24 Variation ~~14° 37'~~ 15° 00' East.
39.91	Set a Sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.82	The corner to sections 13.14.23 & 24.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 13 and 14. Variation 15° 00' East.
	Ascend.
7.00	Top of Hill bears N. 80° W. & S. 80° E. and descend.
26.80	Cross Wash, 150 lks. wide, Course S. 75° E. and ascend.
33.50	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
49.50	Cross Wash, 125 lks. wide, Course S. E. and ascend.
80.00	Set a sand stone 20 x 12 x 8 ins. 15 ins. in the ground for Cor. to Secs. 11. 12. 13 & 14 marked with 4 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 15° 00' East.
	Descend.
40.00	Set temporary ¼ sec. cor.
58.93	Cross Wash, 150 lks. wide, Course S. 63° E. and ascend.
79.93	Intersect E. B. of Tp. 25 lks North of cor. to secs. 7. 12. 13 & 18 from which corner, I run N. 89° 19' W. on a true line, between sections 12 & 13 Variation ~~14° 55'~~ 15° East.
39.97	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
79.93	The corner to sections 11. 12. 13 & 14
	Land Rolling.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 00' East.
	Ascend.
6.00	Top of Hill bears E. & W. and descend.
17.75	Cross Wash, 20 lks. wide, Course East and ascend.
26.80	Top of Spur, bears E. & W. and descend.
37.00	Cross Wash, 20 lks. wide, Course East 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. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Top of Spur, bears E. & W. and descend.
70.75	Cross Wash, 10 lks. wide, Course S. 60° E. and ascend.
80.00	Set a sand stone 18 x 10 x 4 ins. 12 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 00' East.
	Ascend.
7.33	Top of Spur, bears N. W. & S. E. and descend.
20.81	Cross Wash, 125 lks. wide, Course S. E. and ascend.
40.00	Set temporary ¼ sec. cor.
44.50	Top of Hill bears N. W. & S. E. and descend.
80.14	Intersect E. B. of Tp. 16 lks. South of cor. to secs. 1. 6. 7 & 12 from which corner, I run S. 89° 53' W. on a true line, between sections 1 & 12 Variation 15° 30' East.
40.07	Set a sand stone 12 x 10 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
80.14	The corner to sections 1. 2. 11 & 12
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 15° 00' East.
	Ascend.
8.50	Top of Spur, bears N. W. & S. E. and descend.
23.60	Cross Gulch, 125 lks. wide, Course S. E. and ascend.
39.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
48.00	Cross Gulch, 20 lks. wide, Course S. E. and ascend.
60.00	Top of Hill bears E. & W. and descend.
79.98	Intersect N.B. of Tp. 18 lks. West of cor. to secs. 1.2.35 & 36 from which corner, I run S. 8° W. on a true line, between sections 1 & 2 Variation 15° 45' East.
39.98	Set a sand stone 12 x 12 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.98	The corner to sections 1. 2. 11 & 12 Land mountainous. Soil 2nd. & 3rd. rate Vegetation limchgrass. I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. D. F. Hickey Oct. 16, 1882

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 15° 10' East.
	Ascend.
9.00	Top of Spur, bears N. W. & S. E. and descend.
30.50	Cross Wash, 60 lks. wide, Course S. 25 E. and ascend.
40.00	Set a sand stone 13 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Top of Spur, bears N. W. & S. E. and descend.
60.70	Cross Wash, 100 lks. wide, Course S. 20 E. and ascend.
63.00	Top of Spur, bears N. 30 W. & S. 60° E. and descend.
80.00	Set a lime stone 20 x 9 x 6 ins. 15 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 2nd. & 3rd. rate Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 15° 00' East.
	Ascend.
13.00	Top of Spur, bears N & S. and descend.
23.00	Cross Wash, 80 lks. wide, Course S. 10° E and ascend.
29.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
42.00	Cross Wash, 30 lks. wide, Course South and ascend.
56.00	Top of Spur, bears N. & S. and descend.
79.93	Intersect N. & S. line, 28 lks North of cor. to secs. 23. 26. 35 & 36 from which corner, I run N. 89° 48' W. on a true line between sections 26 & 35
	Variation 15° 14' East.
39.97	Set a sand stone 18 x 8 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.93	The corner to sections 26. 27. 34 & 35
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 26 and 27. Variation 15° 00' East.
	Ascend.
10.00	Top of Spur, bears N. E. & S. W. and descend.
15.00	Cross Wash, 20 lks. wide, Course S. 20° E and ascend.
39.00	Top of Spur, bears E. & W. and descend.
40.00	Set a lime stone 8 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. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a granite stone 30 x 16 x 8 ins. 24 ins. in the ground for Cor. to Secs. 22. 23. 26 & 27 marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 00' East.
	Descend.
12.00	*Cross Wash, 20 lks. wide, Course S. 20° E and ascend.*
35.00	*Top of Spur, bears N. & S. and descend.*
40.00	*Set temporary ¼ sec. cor.*
56.00	*Cross Wash, 50 lks. wide, Course South and ascend.*
68.00	*Top of Spur, bears N. & S. and descend.*
79.98	*Intersect N. & S. line, 8 lks North of cor. to secs. 23. 24. 25 & 26 from which corner, I run N 89° 57' W. on a true line between sections 23 – 26*
	Variation 15° East.
39.99	*Set a* line *stone 8 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. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.98	*The corner to sections 22. 23. 26 & 27*
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Lunchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 00 East.
	Ascend.
5.00	*Top of Spur, bears E. & W. and descend.*
10.00	*Cross Wash, 40 lks. wide, Course East and ascend.*
22.00	*Top of Spur, bears E. & W. and descend.*
40.00	*Set a* line *stone 10 x 10 x 8 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in low Sag and ascend.*
43.00	*Top of Ridge, bears E. & W. and descend.*
73.00	*Cross Wash, 90 lks. wide, Course S. 80° E and ascend.*
80.00	*Set a* line *stone 2 x 8 x 6 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.*
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Lunchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 10' East.
	Descend.
23.00	Cross Creek, 10 lks. wide, Course S. 30' E. and ascend.
40.00	Set temporary ¼ sec. cor.
53.00	Top of Spur, bears N. & S. and descend.
80.06	Intersect N. & S. line, ~~7 lks.~~ at ~~of~~ cor. to secs. 13. 14. 23 & 24 from which corner, I run W. on a true line between sections 14 & 23 Variation 15° 10' East.
40.03	Set a chalk stone 28 x 8 x 8 ins., 21 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.06	The corner to sections 14. 15. 22 & 23 Land mountainous. Soil 2nd. & 3rd. rate Vegetation limchgrass & sagebrush.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° 00' East.
	Descend.
11.25	Cross Wash, 30 lks. wide, Course S. 80° E. and ascend.
26.00	Top of Spur, bears E. & W. and descend.
32.00	Enter Flat bears E. & W.
37.00	Cross Creek, 30 lks. wide, Course S. 35° E.
40.00	Set a sand stone 18 x 8 x 6 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.
44.00	Leave Flat bears E. & W. and ascend.
57.00	Top of Bluff bears N. W. & S. E. and descend.
75.51	Cross Wash, 40 lks. wide, Course S. 25° W. and ascend.
80.00	Set a line stone 20 x 10 x 8 ins. 15 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. 68.00 lks Land mountainous. and 12.00 lks. flat Soil 2nd. & 3rd. rate Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 10' East.
	Ascend.
3.00	Top of Spur, bears N. & S. and descend.
20.00	Cross Wash, 60 lks. wide, Course S. 28 E. and ascend.
40.00	Set temporary ¼ sec. cor.
42.00	Top of Spur, bears N. & S. and descend.
54.80	Cross Wash, 100 lks. wide, Course S. 40° E. and ascend.
79.89	Intersect N. & S. line, 16 lks North of cor. to secs. 11. 12. 13 & 14 from which corner, I run N. 89° 53' W. on a true line between sections 11 & 14
	Variation 15° 10' East.
39.95	Set a sand stone 11 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.89	The corner to sections 10. 11. 14 & 15
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 13° 10' East.
	Ascend.
3.00	Top of Spur, bears N. W. & S. E. and descend.
39.50	Cross Wash, 40 lks. wide, Course S. 30° E. and ascend.
40.00	Set a sand stone 12 x 6 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
71.00	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a lime stone 10 x 9 x 9 ins. 6 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass & sagebrush.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 15°10' East.
	Descend.
23.00	Cross Wash, 60 lks. wide, Course S.30° E and ascend.
40.00	Set temporary ¼ sec. cor.
44.00	Top of Spur, bears N. & S. and descend.
58.98	Cross Wash, 40 lks. wide, Course S. E. and ascend.
79.68	Intersect N. & S. line, 44 lks. South of cor. to secs. 1. 2. 11 & 12 from which corner, I run S. 89° 41' W. on a true line between sections 2 & 11 Variation 15°10' East.
39.84	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. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.68	The corner to sections 2. 3. 10 & 11 Land mountainous. Soil 2nd. & 3rd. rate Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian

Chains	North, on a random line between Sections 2 and 3. Variation 15°00' East.
	Ascend.
3.00	Top of Spur, bears E. & W. and descend.
19.00	Cross Wash, 10 lks. wide, Course S. 80° E and ascend.
40.00	Set temporary ¼ sec. cor.
46.00	Top of Spur, bears E. & W. and descend.
80.31	Intersect N.B. of Tp. 24 lks. East of cor. to secs. 2. 3. 34 & 35 from which corner, I run S. 10° E. on a true line, between sections 2 & 3 Variation 15°00' East.
40.31	Set a lime stone 10 x 6 x 4 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.31	The corner to sections 2. 3. 10 & 11 Land mountainous. Soil 2nd. & 3rd. rate Vegetation limchgrass. I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. Henry J. Manning compassman Oct. 16. 1882

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 33 and 34. Variation 13° 10' East.
	Descend.
3.50	Cross Wash, 40 lks. wide, Course S. 23 W. and ascend.
19.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a sand stone 19 x 6 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.
41.00	Cross Wash, 30 lks. wide, Course S. 30 E. and ascend.
64.00	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a sand stone 19 x 6 x 4 ins., 12 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 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 2nd. & 3rd. rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34. Variation 13° 00 East.
	Descend.
30.00	Cross Wash, 90 lks. wide, Course S. 40° E. and ascend.
37.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
50.00	Cross Wash, 80 lks. wide, Course S. 20° E. and ascend.
60.40	Top of Spur, bears N. W. & S. E. and descend.
79.76	Cross Wash, 30 lks. wide, Course S. 30° E. and ascend.
79.76	Intersect N. & S. line, 6 lks North of cor. to secs. 26. 27. 34 & 35 from which corner, I run N. 89° 57' W. on a true line between sections 27 & 34. Variation 13° 00 East.
39.88	Set a sand stone 10 x 10 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. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.76	The corner to sections 26. 27. 34 & 35
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 27 and 28. Variation 15° 00 East.
	Descend.
9.00	Cross Wash, 40 lks. wide, Course S 35 E and ascend.
23.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a lime stone 20 x 8 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
54.00	Cross Wash, 90 lks. wide, Course S. 40 E and ascend.
80.00	Set a lime stone 10 x 8 x 4 ins. 6 ins. in the ground for Cor. to Secs. 21. 22. 27 & 28 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land Rolling and Brokn Soil 2nd. & 3rd rate Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27. Variation 15° 00 East.
	Descend.
18.00	Cross Wash, 50 lks. wide, Course S 40 E and ascend.
23.00	Top of Spur, bears N. W. & S. E. and descend.
38.00	Cross Wash, 90 lks. wide, Course S 40 E and ascend.
40.00	Set temporary ¼ sec. cor.
43.00	Top of Spur, bears N. & S. and descend.
58.00	Cross Wash, 15 lks. wide, Course ~~South~~ and ascend.
80.10	Intersect N. & S. line, 19 lks. ~~North~~ of cor. to secs. 22. 23. 26 & 27 from which corner, I run N. 89° 52' W. on a true line between sections 22 & 27 Variation 15° 00' East.
40.05	Set a sand stone 11 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.10	The corner to sections 21. 22. 27 & 28 Land mountainous. Soil 2nd. & 3rd rate Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 21 and 22. Variation 15° 00' East.
	Descend.
21.00	Cross Wash, 45 lks. wide, Course S. 40 E. and ascend.
36.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Cross Wash, 50 lks. wide, Course S. E. and ascend.
63.00	Top of Spur, bears N. W. & S. E. and descend.
73.00	Cross Wash, 200 lks. wide, Course S. 40 E. and ascend.
80.00	Set a lime stone 20 x 10 x 9 ins. 15 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limechgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 15° 10' East.
	Descend.
30.00	Cross Wash, 60 lks. wide, Course S. E. and ascend.
40.00	Set temporary ¼ sec. cor.
47.00	Top of Spur, bears N. W. & S. E. and descend.
63.30	Cross Gulch, 20 lks. wide, Course S. 30° E. and ascend.
79.83	Intersect N. & S. line, 15 lks. South of cor. to secs. 14. 15. 22 & 23 from which corner, I run S. 89° 54' W. on a true line between sections 15 & 22
	Variation 15° 10' East.
39.92	Set a lime stone 30 x 14 x 8 ins., 24 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.83	The corner to sections 15. 16. 21 & 22
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limechgrass.

Township 30 North Range 49 West 6th Principal Meridian.

North, between Sections 15 and 16.

Variation 15° 10' East.

Chains	
	Ascend.
6.00	Top of Spur, bears E. & W. and descend.
34.00	Cross Wash, 50 lks. wide, Course S. 35° E. and ascend.
40.00	Set a lime stone 10 x 10 x 8 ins., 6 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.
49.00	Top of Spur, bears N. W. & S. E. and descend.
57.50	Cross Wash, 40 lks. wide, Course S. 38° E. and ascend.
72.00	Top of Spur, bears E. & W. and descend.
78.00	Cross Wash, 30 lks. wide, Course S. 70° E. and ascend.
80.00	Set a sand stone 10 x 10 x 5 ins. 6 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 2nd. & 3rd rate
	Vegetation limchgrass.

Township 30 North Range 49 West 6th Principal Meridian.

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

Variation 15° 00' East.

Chains	
	Ascend.
28.00	Top of Spur, bears N. W. & S. E. and descend.
38.00	Cross Wash, 80 lks. wide, Course S. 35° E. and ascend.
40.00	Set temporary ½ sec. cor.
50.00	Top of Spur, bears N. W. & S. E. and descend.
64.30	Cross Creek, 30 lks. wide, Course S. 35° E. and ascend.
79.94	Intersect N. & S. line, 21 lks North of cor. to secs. 10. 11. 14 & 15 from which corner, I run N. 89° 51' W. on a true line between sections 10 & 15
	Variation 15° 00' East.
39.97	Set a sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for ½ Sec. Cor., marked ½ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.94	The corner to sections 9. 10. 15 & 16
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation limchgrass.

Township 30 North Range 19 West
6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15 00 East.
	Ascend.
12.00	Top of Spur, bears N. W. & S. E. and descend.
26.00	Cross Wash, 90 lks. wide, Course S. 30 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., E. and W. of stone 5½ ft. dist.; and raised a mound of earth 1½ ft. high, 3½ ft. base.
50.00	Top of Spur, bears N. W. & S. E. and descend.
54.00	Cross Wash, 60 lks. wide, Course S. 35 E. and ascend.
80.00	Set a lime stone 20 x 10 x 6 ins., 15 ins. in the ground for Cor. to Secs. 3. 4. 9 & 10 marked with 5 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 2nd & 3rd rate
	Vegetation limegrass

Township 30 North Range 19 West
6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 10' East.
	Ascend.
4.00	Top of Spur, bears N. W. & S. E. and descend.
9.50	Cross Wash, 200 lks. wide, Course S. 30 E. and ascend.
16.00	Top of Spur, bears N. W. & S. E. and descend.
19.00	Cross Wash, 100 lks. wide, Course S. 35 E. and ascend.
40.00	Set temporary ¼ sec. cor. [illegible]
62.00	Top of Spur, bears N. W. & S. E. and descend.
79.81	Intersect N. & S. line, 29 lks North of cor. to secs. 2. 3. 10 & 11 from which corner, True N. 89° 48' W. on a true line between sections 3 & 10 Variation 15° 10' East.
39.91	Set a sand stone 18 x 12 x 10 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.81	The corner to sections 3. 4. 9 & 10
	Land mountainous.
	Soil 2nd & 3rd rate
	Vegetation limegrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 15° 10' East.
	Ascend.
9.00	Top of Spur, bears E. & W. and descend.
17.00	Cross Wash, 90 lks. wide, Course S. 80 E. and ascend.
37.00	Top of Spur, bears N. E. & S. W. and descend.
40.00	Set temporary ¼ sec. cor.
80.06	Intersect N.B. of Tp. 31 lks. East of cor. to secs. 3. 4. 33 & 34 from which corner, I run S. 13° E. on a true line, between sections 3 & 4. Variation 15° 10' East.
40.06	Set a lime stone 20 x 8 x 3 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone. 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.06	The corner to sections 3. 4. 9 & 10
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass
	D. F. Hickey
	Oct. 17, 1882

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 15° 5' East.
	Ascend.
7.50	Top of Spur, bears N. W. & S. E. and descend.
18.21	Cross Wash, 35 lks. wide, Course S. 30 W. and ascend.
25.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 6 x 15 x 10 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
48.00	Cross Wash, 60 lks. wide, Course East and ascend.
52.00	Top of Hill bears E. & W. and descend.
67.00	Cross Wash, 40 lks. wide, Course East and ascend.
80.00	Set a sand stone 8 x 8 x 12 ins. 6 ins. in the ground for Cor. to Secs. 28. 29. 32 & 33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 13° 10' East.
	Ascend.
9.50	Top of Spur, bears N. W. & S. E. and descend.
17.22	Cross Wash, 40 lks. widt, Course S 20 W and ascend.
40.00	Set temporary ¼ sec. cor.
63.00	Top of Spur, bears N. & S. and descend.
80.04	Intersect N. & S. line, 11 lks North of cor. to secs. 27.28.33 & 34 from which corner, I run N. 89° 55' W. on a true line between sections 28 & 33 Variation 13° 10' East.
40.02	Set a sand stone 14 x 19 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.04	The corner to sections 28. 29. 32 & 33
	Land Rolling.
	Soil 2nd. & 3rd. rate
	Vegetation lime grass.

Township 30 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 13° 10' East.
	Ascend.
33.50	Top of Ridge, bears N. W. & S. E. and descend.
40.00	Set a sand stone 6 x 7 x 12 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
59.15	Cross Wash, 80 lks. wide, Course East and ascend.
76.00	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 11 x 9 x 5 ins. 8 ins. in the ground for Cor. to Secs. 20. 21. 28 & 29 marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd rate
	Vegetation lime grass.

Township 30° North Range 79 West
6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15°00' East.
	Descend.
12.31	Cross Wash, 45 lks. wide, Course S 30° E and ascend.
17.00	Top of Spur, bears N. & S. and descend.
22.00	Cross Wash, 20 lks. wide, Course S. 30° W and ascend.
37.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
47.90	Cross Wash, 40 lks. wide, Course S. E. and ascend.
79.86	Intersect N. & S. line, 14 lks South of cor. to secs. 21.22.27 & 28 from which corner, I run S. 89° 30' W. on a true line between sections 21 & 28
	Variation 15°00 East.
39.93	Set a sand stone 4 x 9 x 11 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.86	The corner to sections 20. 21. 28 & 29
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Lunchgrass

Township 30 North Range 79 West
6th Principal Meridian

Chains	North, between Sections 20 and 21. Variation 15°00' East.
	Ascend.
7.35	Top of Hill bears N. W. & S. E. and descend.
21.70	Cross Wash, 60 lks. wide, Course East and ascend.
32.00	Top of Hill bears E. & W. and descend.
40.00	Set a sand stone 4 x 9 x 12 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in low Sag and ascend.
51.00	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 4 x 9 x 12 ins. 2 ins. in the ground for Cor. to Secs. 16. 17. 20 & 21 marked with 3 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Lunchgrass

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15° 3′ East.
	Ascend.
7.30	Top of Spur, bears N. & S. and descend.
22.30	Cross Wash, 150 lks. wide, Course South and ascend.
34.70	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
43.80	Cross Wash, 30 lks. wide, Course S. E. and ascend.
59.00	Top of Ridge, bears N. 30° W. & S. 30° E. and descend.
79.93	Intersect N. & S. line, 31 lks North of cor. to secs. 15. 16. 21 & 22 from which corner, I run N. 89° 47′ W. on a true line between sections 16 & 21 Variation 15° 3′ East.
39.97	Set a sand stone 6 x 8 x 9 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.93	The corner to sections 16. 17. 20 & 21
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15° 10′ East.
	Over rolling land.
3.88	Descend.
5.54	Cross Wash, 100 lks. wide, Course East and ascend.
27.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 8 x 10 x 12 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
74.00	Cross Wash, 130 lks. wide, Course S. 30 E. and ascend.
80.00	Set a sand stone 6 x 8 x 10 ins. 4 ins. in the ground for Cor. to Secs. 8. 9. 16 & 17 marked with 4 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 9 and 16.
Variation 15° 5' East.

Chains	
	Ascend. Over rolling land.
6.30	Top of Spur, bears N. W. & S. E. and descend.
37.60	Cross Wash, 130 lks. wide, Course S 30 E and ascend.
40.00	Set temporary ¼ sec. cor.
51.40	Cross Wash, 40 lks. wide, Course S. E.
58.00	Top of Spur, bears N. W. & S. E. and descend.
71.00	Cross Wash, 30 lks. wide, Course S. 60 E. and ascend.
80.12	Intersect N. & S. line, 16 lks South of cor. to secs. 9.10.15 & 16 — from which corner, I run S. 89° 55' W. on a true line between sections 9 & 16
	Variation 15° 5' East.
40.06	Set a sand stone 14 x 7 x 10 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.12	The corner to sections 8. 9. 16 & 17
	Land mountainous.
	Soil 2nd & 3rd rate
	Vegetation limechgrass.

Township 30 North Range 49 West
6th Principal Meridian.

North, between Sections 8 and 9.
Variation 15° 5' East.

Chains	
	Descend.
40.00	Set a sand stone 6 x 14 x 12 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
53.00	Cross Wash, 60 lks. wide, Course East and ascend.
62.00	Top of Spur, bears E. & W. and descend.
74.43	Cross Wash, 60 lks. wide, Course S 30 E and ascend.
80.00	Set a sand stone 4 x 9 x 13 ins. 2 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 2nd & 3rd rate
	Vegetation limechgrass.

Township 30 North Range 49 West 6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 15° 5' East.
	Descend.
30.00	Cross Wash, 150 lks. wide, Course S 40 E and ascend.
37.00	Top of Spur, bears N & S and descend.
40.00	Set temporary ¼ sec. cor.
47.18	Cross Gulch, 20 lks. wide, Course S 60 E. and ascend
80.01	Intersect N. & S. line, 24 lks South of cor. to secs. 3. 4. 9 & 10 from which corner, I run S. 89° 50' W. on a true line between sections 4 & 9 Variation 15° 25' East.
40.01	Set a sand stone 4 x 13 x 10 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.01	The corner to sections 4. 5. 8 & 9 Land mountainous. Soil 2nd & 3rd rate Vegetation limchgrass.

Township 30 North Range 49 West 6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 15° 5' East.
	Descend.
4.00	Cross Wash, 35 lks. wide, Course S 40 E and ascend.
23.50	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
79.90	Intersect N.B. of Tp. 8 lks. West of cor. to secs. 4. 5. 32 & 33 from which corner, I run S. 3 W. on a true line, between sections 4 & 5 Variation 15° 00' East.
39.90	Set a sand stone 16 x 8 x 11 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.90	The corner to sections 4. 5. 8 & 9 Land Rolling. Soil 2nd & 3rd rate Vegetation limchgrass. I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. Henry J. Manning compassman Oct. 17. 1882

Township 30 North Range 49 West
6th Principal Meridian.

North, between Sections 31 and 32.
Variation 15° 10' East.

Descend.

Chains	
3.50	Cross Wash, 60 lks. wide, Course East and ascend.
38.50	Top of Ridge, bears N. W. & S. E. and descend.
40.00	Set a Sand stone 6 x 8 x 10 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.00	Enter Flat bears E. & W.
66.00	Leave Flat bears E. & W. and ascend.
70.50	Cross Wash, 80 lks. wide, Course East
80.00	Set a Sand stone 8 x 10 x 12 ins. 6 ins. in the ground for Cor. to Secs. 29. 30. 31 & 32 marked with 1 notch on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land, mountainous. 55.00 lks. and 25.00 lks. flat.
Soil 2nd. & 3rd. rate
Vegetation Limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 29 and 32.
Variation 15° 5' East.

Ascend.

Chains	
11.50	Top of Spur, bears N. & S. and descend.
16.31	Cross Wash, 13 lks. wide, Course South and ascend.
30.80	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
50.83	Cross Gulch, 20 lks. wide, Course S. 60 E. and ascend.
80.15	Intersect N. & S. line, 23 lks South of cor. to secs. 28. 29. 32 & 33 from which corner, I run S. 89° 50' W. on a true line between sections 29 & 32 Variation 15° 40' East.
40.08	Set a sand stone 8 x 7 x 11 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.15	The corner to sections 29. 30. 31 & 32.

Land mountainous.
Soil 2nd. & 3rd. rate
Vegetation limchgrass.
L. F. Hickey
Oct. 15. 1882

Township 30 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 5' East.
	Descend.
3.00	Cross Wash, 20 lks. wide, Course S. 70 E. and ascend.
9.00	Top of Ridge, bears N. W. & S. E. and descend.
17.00	Cross Wash, 40 lks. wide, Course S. 30 E. and ascend.
40.00	Set temporary ¼ sec. cor.
56.00	Top of Spur, bears N. W. & S. E. and descend.
68.00	Cross Wash, 20 lks. wide, Course N. 40 E. and ascend.
79.88	Intersect W. B. of Tp. 46 lks North of cor. to secs. 25. 30. 31 & 36 from which corner, I run N. 89° 40 E. on a true line, between sections 30 & 31 Variation 15° 40' East.
39.88	Set a sand stone 4 x 11 x 7 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.88	The corner to sections 29. 30. 31 & 32
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation Limchgrass.
	Henry J. Manning compassman Oct. 18th 1882

Township 30 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 29 and 30. Variation 15° 5' East.
	Descend.
13.00	Cross Wash, 90 lks. wide, Course S. E. and ascend.
19.00	Top of Spur, bears N. W. & S. E. and descend.
22.00	Cross Wash, 30 lks. wide, Course West and ascend.
40.00	Set a sand stone 6 x 9 x 11 ins., 4 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.
44.00	Top of Ridge, bears N. W. & S. E. and descend.
64.15	Cross Wash, 30 lks. wide, Course East and ascend.
67.20	Top of Spur, bears E. & W. and descend.
80.00	Set a sand stone 8 x 10 x 12 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass

Township 30 North Range 49 West

6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 15° 15' East.
	Descend.
12.00	Cross Wash, 300 lks. wide, Course S. 15 E and ascend.
25.00	Top of Spur, bears N. & S. and descend.
38.00	Cross Wash, 90 lks. wide, Course S. 60 W. and ascend.
40.00	Set temporary ¼ sec. cor.
55.00	Top of Ridge, bears N. E. & S. W. and descend.
79.79	Intersect N. & S. line, 14 lks. North of cor. to secs. 20. 21. 28 & 29 from which corner, I run N. 89° 54' W. on a true line between sections 20 & 29 Variation 15° ~~00'~~ 15' East.
39.90	Set a sand stone 6 x 8 x 10 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.79	The corner to sections 19. 20. 29 & 30
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation lunchgrass.
	D. F. Hickey Oct. 18, 1882

Township 30 North Range 49 West

6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 15° 15' East.
	Descend.
6.30	Cross Wash, 40 lks. wide, Course S. 30 E and ascend.
15.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor. low Sag and ascend.
63.00	Top of Spur, bears N. E. & S. W. and descend.
74.82	Cross Wash, 30 lks. wide, Course S. 30 W. and ascend.
79.59	Intersect W. B. of Tp. 22 lks. North of cor. to secs. 19. 24. 25 & 30 from which corner, I run N. 89° 51' E on a true line, between sections 19 & 30 Variation 15° 15' East.
39.59	Set a sand stone 4 x 7 x 10 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.59	The corner to sections 19. 20. 29 & 30
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation lunchgrass.
	Henry J. Manning, compassman Oct 18. 1882

Township 30 North Range 19 West
6th Principal Meridian.

North, between Sections 19 and 20.
Variation 15° 15' East.

Chains	
	Ascend.
3.50	Top of Spur, bears N. W. & S. E. and descend.
10.21	Cross Wash, 60 lks. wide, Course East and ascend.
13.12	Top of Spur, bears E. & W. and descend.
28.00	Cross Wash, 21 lks. wide, Course S. 31 E. and ascend.
40.00	Set a sand stone 4 x 8 x 12 ins., 2 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.
43.50	Top of Spur, bears E. & W. and descend.
46.00	Cross Wash, 100 lks. wide, Course West and ascend.
62.00	Top of Ridge, bears E. & W. and descend.
69.50	Cross Wash, 70 lks. wide, Course West and ascend.
78.45	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 6 x 8 x 12 ins. 4 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., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limechgrass.

Township 30 North Range 19 West
6th Principal Meridian.

East, on a random line between Sections 17 and 20.
Variation 15° 10' East.

Chains	
	Ascend.
7.00	Top of Ridge, bears N. & S. and descend.
16.30	Cross Wash, 80 lks. wide, Course South and ascend.
26.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
68.19	Cross Wash, 10 lks. wide, Course North and ascend.
80.26	Intersect N. & S. line, 13 lks. South of cor. to secs. 16, 17, 20 & 21 from which corner, I run S. 89° 54' W. on a true line between sections 17 & 20 Variation 15° 10' East.
40.13	Set a sand stone 4 x 8 x 13 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.26	The corner to sections 17, 18, 19 & 20
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limechgrass.

D. F. Richey
Oct. 18. 1882

Township 30 North Range 19 West
6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19. Variation 15° 10' East.
	Descend.
11.00	Cross Wash, 40 lks. wide, Course South and ascend.
15.00	Top of Spur, bears N. & S. and descend.
26.45	Cross Wash, 200 lks. wide, Course S. 30 E. and ascend.
40.00	Set temporary ¼ sec. cor.
53.00	Top of Spur, bears N. E. & S. W. and descend.
67.00	Cross Wash, 20 lks. wide, Course N. 30 E. and ascend.
77.00	Top of Spur, bears N. E. & S. W. and descend.
79.80	Intersect N. B. of Tp. 18 lks. South of cor. to secs. 13. 18. 19 & 24 from which corner, I run S. 89 52 E. on a true line, between sections 18 & 19
	Variation 15° 10' East.
39.80	Set a sand stone 4 x 7 x 10 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.80	The corner to sections 17. 18. 19. & 20
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.

Henry J. Manning compassman
Oct. 18. 1882

Township 30 North Range 19 West
6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 15° 10' East.
	Descend.
4.15	Cross Wash, 30 lks. wide, Course West and ascend.
7.10	Top of Ridge, bears E. & W. and descend.
16.15	Cross Wash, 130 lks. wide, Course S. 30 E. and ascend.
32.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 6 x 8 x 9 ins., 4 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.
63.15	Cross Wash, 140 lks. wide, Course East and ascend.
80.00	Set a sand stone 8 x 9 x 11 ins. 6 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 2nd. & 3rd. rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 8 and 17.
Variation 15° 3' East.

Chains	
	Ascend.
6.00	Top of Spur, bears N. W. & S. E. and descend.
23.03	Cross Wash, 150 lks. wide, Course South and ascend.
40.00	Set temporary ¼ sec. cor.
48.00	Top of Spur, bears N. & S. and descend.
63.82	Cross Wash, 40 lks. wide, Course S 30 E and ascend.
79.82	Intersect N. & S. line, 28 lks. South of cor. to secs. 8. 9. 16 & 17 from which corner, I run S. 89° 48' W. on a true line between sections 8 & 17 Variation 15° 3' East.
39.91	Set a sand stone 4 x 6 x 11 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.82	The corner to sections 7. 8. 17 & 18 Land mountainous. Soil 2nd. & 3rd. rate Vegetation limchgrass D. F. Dickey Oct. 18 1882

Township 30 North Range 49 West
6th Principal Meridian.

West, on a random line between Sections 7 and 18.
Variation 15° 3' East.

Chains	
	Ascend.
11.00	Top of Spur, bears N. W. & S. E. and descend.
18.25	Cross Wash, 45 lks. wide, Course S 20 E and ascend.
40.00	Set temporary ¼ sec. cor.
76.41	Cross Wash, 30 lks. wide, Course S. W.
80.08	Intersect W. B. of Tp. 52 lks. South of cor. to secs. 7. 12. 13 & 18 from which corner, I run S. 89° 38' E. on a true line, between sections 7 & 18 Variation 15° 3' East.
40.08	Set a sand stone 6 x 9 x 12 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.08	The corner to sections 7. 8. 17 & 18 Land Rolling. Soil 2nd. & 3rd. rate Vegetation limchgrass Henry J Manning compassman Oct. 15, 1882

Township 30 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 7 and 8. Variation 15° 5' East.
	Descend.
28.60	Cross Wash, 60 lks. wide, Course S. 30 E and ascend.
30.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set a sand stone 4 x 9 x 12 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
43.00	Cross Wash, 50 lks. wide, Course East and ascend.
49.50	Top of Spur, bears E. & W. and descend.
58.23	Cross Wash, 75 lks. wide, Course S. 31 E. and ascend,
72.50	Top of Spur, bears E. & W and descend.
80.00	Set a sand stone 6 x 9 x 11 ins. 8 ins. in the ground for Cor. to Secs. 5, 6, 7 & 8 marked with 5 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 2nd. & 3rd rate
	Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 10' East.
	Descend.
1.30	Cross Wash, 60 lks. wide, Course S. 60 W and ascend.
6.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
68.00	Cross Wash, 100 lks. wide, Course S. 30 E and ascend.
74.00	Top of Ridge, bears N. W. & S. E. and descend.
78.80	Cross Gulch, 30 lks. wide, Course S. 40 E. and ascend.
79.93	Intersect N. & S. line, 16 lks South of cor. to secs. 4, 5, 8 & 9 from which corner, I run S. 89° 53' W. on a true line between sections 5 & 8 Variation 15° 10' East.
39.98	Set a sand stone 4 x 6 x 9 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.93	The corner to sections 5. 6. 7 & 8
	Land mountainous.
	Soil 2nd. & 3rd. rate
	Vegetation limchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	A. F. Hickey Oct. 18. 1882

Township 30 North Range 49 West
6th Principal Meridian.

West, on a random line between Sections 6 and 7.
Variation 15° 10' East.

Chains	
	Ascend.
2.00	Top of Spur, bears N. & S. and descend.
6.31	Cross Wash, 23 lks. wide, Course South and ascend.
14.30	Top of Spur, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
79.63	Intersect W.B. of Tp. 28 lks. South of cor. to secs. 1. 6. 7 & 12 from which corner, I run S. 89° 48' E. on a true line, between sections 6 & 7 Variation 15° 10' East.
39.63	Set a sand stone 4 x 7 x 9 ins., 2 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.63	The corner to sections 5. 6. 7 & 8. Land mountainous. Soil 2nd & 3rd rate Vegetation limchgrass.

Township 30 North Range 49 West
6th Principal Meridian.

North, on a random line between Sections 5 and 6.
Variation 13° 10' East.

Chains	
	Ascend.
12.00	Top of Ridge, bears N. W. & S. E. and descend.
32.40	Cross Wash, 33 lks. wide, Course S. 40 E. and ascend.
40.00	Set temporary ½ sec. cor.
58.00	Top of Spur, bears N. W. & S. E. and descend.
79.46	Intersect N.B. of Tp. 26 lks. West of cor. to secs. 5. 6. 31 & 32 from which corner, I run S. 1 W. on a true line, between sections 5 & 6 Variation 13° 10' East.
39.46	Set a sand stone 6 x 7 x 12 ins., 4 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.46	The corner to sections 5. 6. 7 & 8 Land Rolling and Broken Soil 2nd & 3rd rate Vegetation limchgrass. I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. Henry J. Manning compassman Oct. 15. 1882

GENERAL DESCRIPTION.

The land in this Township is generally Mountainous, and is 2nd & 3rd rate.

There is an abundance of Bunchgrass throughout the Township, which renders it valuable as a grazing country

U. S. Surveyor General's Office.

Plattsmouth Neb. 1883

The foregoing Field Notes of the surveys of and retracing of Exterior lines the Sub division Lines of Township No. 30 North of Range No. 19 West of the Principal Base and Meridian in the State of Neb. executed by

D. L. Hickey No. 4

U. S. Deputy Surveyor, under his contract, dated November 10, 1882 in the month of October 1882

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

L V Stephenson

U. S. Surveyor-General for

Chas. Buchanan Deputy Surveyor.

T. 31 **North R.** 49 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 31 North Range 49 West

6th Principal Meridian.

BY

Chas Buchanan Deputy Surveyor.

Under his Contract of Nov 11 1881

Survey Commenced July 19th 1882,

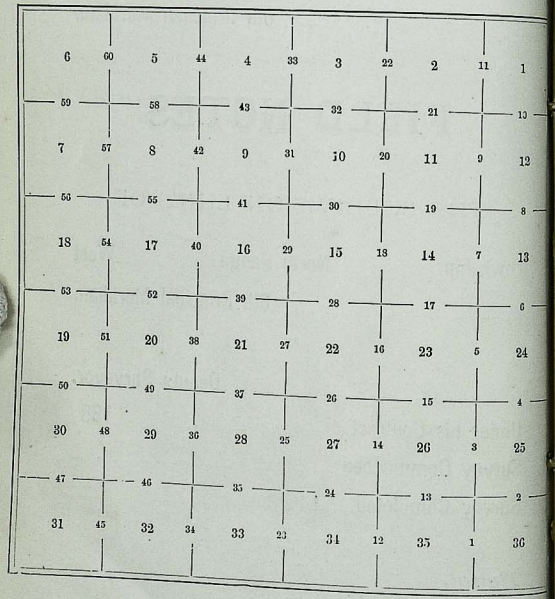
Survey Completed July 25th 1882,

Platted,
Copied for Washington,
Copied for Register,

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

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

.....6th Principal Meridi



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

.....6th Principal Meridian.

Township ..... North ..... Range ..... West
6th Principal Meridian.

Township ..... North ..... Range ..... West
6th Principal Meridian.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by W.m L. E. Gurley, *of* Troy, N. Y. *in* 1880.

Before proceeding to subdivide this Tp., I made a change of 5 *minutes in the latitude arc of my solar compass by* subtracting same *from the reading previously given, and at noon verified and corrected same by observation on the sun. Also further tested instrument by reversing.*

Township 31 North Range 49 West
(See previous page.)
6th Principal Meridian.

Chains	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36. Variation 18° 15' East.
32.00	Cross Gulch, 50 lks. wide, Course S. E. and ascend.
40.00	Set a Sand stone 12 x 10 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 25-26-35 & 36 marked T, 31 N. S, 25, on N, E, R, 49 W, S. 36 on S, E, S, 35 on S, W, and S, 26 on N, W, faces with / notch on S, and / notch on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post. Land rolling. Soil 3rd rate Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15° 15' East.
33.00	Cross Gulch, 20 lks. wide, Course S. E.
40.00	Set temporary ¼ Sec. Cor.
57.00	Cross Gulch, 40 lks. wide, Course S. E
80.35	Intersect E B. of Tp. 32 lks. S of cor. to secs. 25-36-30 & 31 from which corner, I run S 89° 46' W on a true line, between sections 25 & 36 Variation 15° 15' East.
40.18	Set a Sand stone 14 x 12 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.35	The corner to sections 25-26-35 & 36 Land rolling. Soil 2nd rate Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 15° 18' East.
40.00	Set a Sand stone 18 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 23 - 24 - 25 - 26 marked T, 31 N S, 24, on N, E, R, 49W, S. 25 on S, E, S, 26 on S, W, and S, 23 on N, W, faces 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, 4 ½ ft, base around post.
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 15' East.
40.00	Set temporary ¼ Sec. Cor.
80.14	Intersect E B. of Tp. 16 lks. S of cor. to secs. 24-25/19 & 30 from which corner, I run S 89° 45' W on a true line, between sections 24 & 25 Variation 15° 46' East.
40.07	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.14	The corner to sections 23 - 24 - 25 - & 26
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

North, between Sections 23 and 24.

Variation 18° 13' East.

Chains	
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
47.00	Giant Platian and inter timber
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 13-14-23 & 24 marked T, 31N S, 13, on N, E, R, 49W, S. 24 on S, E, S, 23 on S, W, and S, 14 on N, W, face, as with 3 notches on S, and / notch on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist., and raised a mound of earth 2 ft, high, 4½ ft, base around post.

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

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

Variation 15° 20 East.

Chains	
3.50	Cross Gulch, 50 lks. wide, Course N.
19.00	Cross Gulch, 20 lks. wide, Course N. W. and ascend
36.00	Top of Bluff from South-
40.00	Set temporary ¼ Sec. Cor.
80.00	Cross Gulch, 30 lks. wide, Course N. and ascend.
80.26	Intersect E B. of Tp. 14 lks. N. of cor. to secs. 13-24-18-19 from which corner, I run N89° 64 W on a true line, between sections 13 & 24
	Variation 15° 20' East.
40.13	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.26	The corner to sections 13-14-23 & 24

Land rolling.
Soil 2nd. rate
Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 13 and 14.
	Variation 15° 18' East.
29.00	Cross Gulch, 20 lks. wide, Course N.W. and ascend.
	Pine timber in same ravine
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
41.00	Top of Bluff from E and descend
56.00	Cross Gulch, 20 lks. wide, Course N.W. and ascend.
70.00	Top of Bluff trees E and W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 11-12-13-14 marked T. 31 N. S. 12, on N. E. R. 49 W. S. 13 on S. E. S. 14 on S. W. and S. 11 on N. W. face, cs with 4 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4 ½ ft. base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13.
	Variation 15° 18' East.
8.00	Enter timber and descend S. E. slope
10.00	Cross Gulch, 20 lks. wide, Course N. and ascend.
12.00	Leave timber trees N. and S.
20.00	Cross Wash, 400 lks. wide, Course N.W. and ascend.
40.00	Set temporary ¼ Sec. Cor.
79.94	Intersect E B. of Tp. 40 lks. N. of cor. to secs. 7-12-13 & 18 from which corner, I run N 89° 45' W on a true line, between sections 12 & 13
	Variation 15° 18' East.
39.97	Set a Sand stone 13 x 12 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.94	The corner to sections 11-12-13 & 14
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.
	July 17th 1882.

Township 31 North Range 49 West
6th Principal Meridian.

North, between Sections 11 and 12.

Variation 15° 13' East.

Chains	
4.00	Descend. Bluff bears E. and W.
5.75	Enter Pine timber bears E. & W.
6.75	Cross Gulch, 30 lks. wide, Course NW and ascend.
20.00	Leave Pine timber bears E & W.
24.00	Enter timber bears N E and S W.
27.00	Cross Gulch, 4 chs. lks. wide, Course N. W.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
42.00	Cross Creek 12 lks. wide, Course N. E
68.00	Cross Canon, 10 chs. lks. wide, Course S E and ascend.
80.00	Set a Sand stone 20 x 14 x 6 ins. 15 ins. in the ground for Cor. to Secs. 1-2-11-12 marked with 5 notch 15 on S. and / notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 1 and 12.

Variation 15° 13' East.

Chains	
15.25	Cross Gulch, 8 chs. lks. wide, Course S. E
40.00	Set temporary ¼ Sec. Cor.
41.00	Cross Creek 20 lks. wide Course N E and ascend.
60.06	Intersect E B. of Tp. 6 lks. N. of cor. to secs. 1-12-6-7 from which corner, I run N 89° 57' W on a true line, between sections 1 & 12

Variation 15° 13' East.

40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., S. and N. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
60.06	The corner to sections 1-2-11 & 12

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2.
	Variation 15° 18' East.
8.00	Leave Timber bears N. E & S. W.
38.00	Enter timber bears N. E & S. W.
40.00	Set temporary ¼ Sec. Cor.
77.00	Cross Canon, 10 lks. wide, Course E and ascend.
80.62	Intersect N. B. of Tp. 43 lks. E of cor. to secs. 1-2-35-36 from which corner, I run S. 18' E on a true line, between sections 1 & 2
	Variation 15° 00 East.
40.62	Set a Sand stone 16 x 12 x 11 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.62	The corner to sections 1-2-11 & 12
	Land rolling.
	Soil 2nd rate
	Timber of Pine
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 34 and 35.
	Variation 15° 18' East.
33.00	Cross Wash, 30 lks. wide, Course W
40.00	Set a Sand stone 16 x 14 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., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
49.00	Cross Wash, 30 lks. wide, Course N. W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 26-27-34 & 35- marked T, 31 N S, 26, on N, E, R, 49W, S. 35 on S, E, S, 34 on S, W, and S, 27 on N, W, face, ES with 1 notch on S, and 2 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35.
	Variation 18° 18' East.
27.00	Cross Gulch, 40 lks. wide, Course NW and ascend.
40.00	Set temporary ¼ Sec. Cor.
79.67	Intersect N. & S. line, 53 lks. N. of cor. to secs. 25-26-35-36 from which corner, I run
	N 89° 37' W. on a true line between sections 26 & 35
	Variation 18° 15' East
39.84	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.67	The corner to sections 26-27-35 & 34
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 26 and 27.
	Variation 18° 18' East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post. Mars E & W.
61.00	Descend. N. Slope to Plateau & Enter timber.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 22-23-26-27 marked T. 31 N S, 23, on N, E, R, 49W, S. 26 on S, E, S, 27 on S, W, and S, 22 on N, W, face, cs with 2 notches on S, and 2 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	from which
	A Pine 8 ins, diam. bears N 8 E 3 lks. dist. marked T. 31 N R. 49 W S., 23 B. T.
	A Pine 16 ins, diam. bears N 45 E 15 lks. dist. marked T. 31 N R. 49 W S., 23 B. T.
	Land mountainous
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass,

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 18' East.
4.75	Cross Gulch, 30 lks. wide, Course N. and ascend.
10.00	Leave Pine timber trees N. & S.
22.00	Top of Spur, bears S and descend.
36.00	Enter timber trees N.W and S.E.
40.00	Set temporary ¼ Sec. Cor.
41.00	Cross Gulch, 40 lks. wide, Course N. and ascend.
57.00	Enter Plateau & leave timber
79.83	Intersect N. & S. line, 17 lks. N. of cor. to secs. 23-24-25-26 from which corner, I run N 89° 53' W. on a true line between sections 23 & 26 Variation 15° 18' East
39.92	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.83	The corner to sections 22-23-26 & 27

Land mountainous
Soil 3rd rate
Timber of Pine.
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 13' East.
4.25	Cross Gulch, 20 lks. wide. Course N E
21.00	Cross Gulch, 20 lks. wide, Course N. W
39.50	Cross Gulch, 30 lks. wide. Course W an
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 and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
60.00	Cross Gulch, 20 lks. wide, Course W.
80.00	Set a post 4 ft. long, 4 ins. square, 22-23-14 & 15- 12 ins. in the ground, for Cor. to Secs, marked T, 31 N S, 14, on N, E, R, 49 W, S. 23 on S, E, S, 22 on S, W, and S, 15 on N, W, faces 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, 4 ½ ft, base around post.

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass.
July 18th 1882.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 15' East.
30.00	Enter timber bears N. & S.
40.00	Set temporary ¼ Sec. Cor:
66.00	Cross Creek 4 lks. wide, Course N, and ascend.
79.69	Intersect N. & S. line, 36 lks. N. of cor. to secs. 13-14-23-24 from which corner, I run
	S 89° 45' W. on a true line between sections 14 & 23
	Variation 15° ~~15'~~ East
39.85	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.69	The corner to sections 14 - 15 - 22 & 23
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass
	Timber of Pine,

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° 15' East.
26.00	Cross Gulch, 20 lks. wide, Course N.W and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
46.00	Cross Gulch, 30 lks. wide, Course N.W
52.50	Cross Gulch, 30 lks. wide, Course N. W.
57.00	Cross Gulch, 25 lks. wide, Course N W
66.00	Cross Gulch, 20 lks. wide, Course W and ascend.
80.00	Set a Sand stone 20 x 14 x 8 ins. 15 ins. in the ground for Cor. to Secs. 16-11-14 & 15 marked with 4 notches on S. and 2 notches on E. edges. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass
	Timber of Pine,

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15°. 18' East.
10.00	Cross Gulch, 20 lks. wide, Course N. E. and ascend.
24.00	Top of Bluff bears S. and descend.
38.00	Cross Creek 10 lks. wide, Course N. and ascend. and leave Pini timber bears N. & S.
40.00	Set temporary ¼ Sec. Cor.
66.00	Top of Bluff bears N. & S. and descend.
79.93	Intersect N. & S. line, 8 lks. S of cor. to secs. 11-12-13-14 from which corner, I run S 89° 57' W. on a true line between sections 11 & 14 Variation 15° East
39.97	Set a Sand stone 24 x 15 x 6 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.93	The corner to sections 10-11-14 & 15

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass
Timber of Pini.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 15° 18' East.
6.00	Cross Gulch, 20 lks. wide, Course SW and ascend.
8.00	Lave timber bears E. and W.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
65.25	Cross Wash, 30 lks. wide, Course E.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 2-3-10-11 marked T, 31 N S, 2, on N, E, R, 49 W, S. 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face, & with 5 notch & on S, and 2 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 around post.

Land rolling.
Soil 2nd rate
Timber of Pini
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 18° 15' East.
21.00	Cross Wash, 200 lks. wide, Course S. E
38.00	Enter timber bears N. E. & S. W.
40.00	Set temporary ¼ Sec. Cor.
79.88	Intersect N. & S. line, 93 lks. S of cor. to secs. 1-2-11-12 from which corner, I run S 89°. 37' W. on a true line between sections 2 & 11 Variation 18° 15' East
39.94	Set a Sand stone 12 x 11 x 2 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.88	The corner to sections 2 - 3 - 10 & 11
	Land mountainous
	Soil 3rd rate
	Timber of Pine.
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian

Chains	North, on a random line between Sections 2 and 3. Variation 15° 15' East.
40.00	Set temporary ¼ Sec. Cor.
50.00	Cross Gulch, 30 lks. wide, Course N. E and ascend.
68.00	Top of Bluff bears West and descend.
80.80	Intersect N. B. of Tp. 68 lks. E of cor. to secs. 2-3-34-35 from which corner, I run S 29° E on a true line, between sections 2 & 3 Variation 15° 15' East.
40.80	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.80	The corner to sections 2 - 3 - 10 & 11
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 33 and 34. Variation 15° 00 East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 27-28-33-34 marked T, 31 N S, 27, on N, E, R, 49 W, S. 34 on S, E, S, 33 on S, W, and S, 28 on N, W, faces with 1 notch on S, and 3 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post. Land level. Soil 2nd rate Vegetation Bunchgrass

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34. Variation 15° 00 East.
4.00	Cross Gulch, 20 lks. wide, Course S. E.
34.00	Cross Gulch, 20 lks. wide, Course S. E
40.00	Set temporary ¼ Sec. Cor.
66.00	Cross Gulch, 40 lks. wide, Course S. E
79.93	Intersect N. & S. line, 16 lks. N. of cor. to secs. 26-27-34-35 from which corner, I run N 89° 53' W. on a true line between sections 27 & 34 Variation 15° 90' East
39.97	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.93	The corner to sections 27-28-33 & 34 Land level. Soil 2nd rate Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 27 and 28.
	Variation 15° 00 East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
58.00	Leave Plateau & enter timber bear E & W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 21-22-27-28 marked T. 31 N S, 22, on N, E, R, 49 W, S. 27 on S, E, S, 28 on S, W, and S, 21 on N, W, face, cs with 2 notches on S, and 3 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post.
	from which
	A Pine 8 ins, diam. bears N 78 W 60 lks. dist. marked T. 31 N R. 49 W S., 21 B. T.
	Land mountainous
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	July 19th 1887.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27.
	Variation 15° 00 East.
8.00	Cross Gulch, 20 lks. wide, Course N. E
33.00	Cross Gulch, 20 lks. wide, Course N E and ascend.
40.00	Set temporary ¼ Sec. Cor.
60.00	Top of Gulch bears S, and descend.
73.00	Cross Gulch, 30 lks. wide, Course N. E, and ascend.
79.74	Intersect N. & S. line, 24 lks. N. of cor. to secs. 22-23-26-27 from which corner, I run N 89° 30' W. on a true line between sections 22 & 27
	Variation 15° 00 East
39.87	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.74	The corner to sections 21-22-27 & 28
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass
	Timber of Pine.

Township 31 North Range 49 West
6th Principal Meridian.

North, between Sections 21 and 22.

Variation 18° 18' East.

Chains	
	Ascend.
20.00	Top of Peak bears East and descend.
35.00	Leave timber bears E. and W.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
53.00	Cross Gulch, 30 lks. wide, Course N & E and ascend.
70.00	Top of Ridge, bears E & W, and descend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 15 - 16 - 21 - 22 marked T, 31 N S, 15 , on N, E, R, 49 W, S. 22 on S, E, S, 21 on S, W, and S, 16 on N, W, face, & S with 3 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, 4 ½ ft, base around post. from which A Pine 18 ins. diam. bears S 28 W 7 lks. dist. marked T. 31 N R. 49 W S., 21 B. T. A Pine 20 ins. diam. bears N 58 W 7 lks. dist. marked T. 31 N R. 49 W S., 16 B. T. A Pine 18 ins. diam. bears N 13 E 35 lks. dist. marked T. 31 N R. 49 W S., 15 B. T. Land mountainous Soil 3rd rate Timber of Pine Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

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

Variation 15° 10' East.

Chains	
20.00	Top of Ridge, bears N. & S. and descend.
40.00	Set temporary ¼ Sec. Cor.
42.00	Cross Gulch, 20 lks. wide, Course N.
52.00	Cross Creek 10 lks. wide. Course N.W and ascend.
80.02	Intersect N. & S. line, 18 lks. S, of cor. to secs. 14-15-22-23 from which corner, I run S 89° 52' W. on a true line between sections 15 & 22 Variation 15° 20' East
40.01	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.02	The corner to sections 15 - 16 - 21 & 22 Land mountainous Soil 3rd rate Timber of Pine Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 15 and 16.
	Variation 15° 00 East.
13.50	Cross Gulch, 10 lks. wide, Course NE and ascend.
34.00	Top of Bluff bears W. and descend.
40.00	Set a Sand stone 8 x 8 x 24 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
56.00	Cross Gulch, 30 lks. wide, Course NE and ascend.
74.00	Cross Creek (Road Ford) 20 lks. wide, Course N. E and ascend.
80.00	Set a Sand stone 16 x 12 x 4 ins. 10 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
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15.
	Variation 15° 00 East.
7.00	Cross Gulch, 20 lks. wide, Course S. W.
23.00	Cross Gulch, 30 lks. wide, Course SW, and ascend.
40.00	Set temporary ¼ Sec. Cor.
48.00	Top of Ridge, bears N. & S, and descend.
77.00	Cross Gulch, 30 lks. wide, Course S.W and ascend.
79.81	Intersect N. & S. line, 9 lks. S of cor. to secs. 10-11-14-15 from which corner, I run S 89° 56' W. on a true line between sections 10 & 15 Variation 15° 00' East
39.91	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.81	The corner to sections 9 - 10 - 15 & 16
	Land mountainous.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 00 East.
31.00	Ascend. ridge bears E. & W.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
52.00	Top of Ridge, bears E & W and descend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 3-4-9-10 marked T, 31 N S, 3, on N, E, R, 49 W, S. 10 on S, E, S, 9 on S, W, and S, 4 on N, W, face, cs with 5 notch es on S, and 3 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post.
	49.00 Chs. Land mountainous and 31.00 Chs. flat, Soil 3rd rate Timber of Pine Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 00 East.
8.00	Cross Gulch, 20 lks. wide, Course N and ascend.
38.00	Top of Ridge, bears S and descend.
40.00	Set temporary ¼ Sec. Cor.
46.00	Cross Gulch, 30 lks. wide, Course N-W and ascend.
	and leave timber trees N. & S.
79.70	Intersect N. & S. line, 30 lks. N of cor. to secs. 2-3-10-11 from which corner, I run N 89° 47' W. on a true line between sections 3 & 10 Variation 15° 00 East
39.85	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.70	The corner to sections 3-4-9 & 10
	Land mountainous Soil 3rd rate Timber of Pine Vegetation. Bunchgrass.
	July 20th 1882.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	
	North, on a random line between Sections 3 and 4.
	Variation 18° 15' East.
15.00	Cross Gulch, 30 lks. wide, Course S E and ascend.
32.00	Top of Spur, bears W. and descend.
38.00	Cross Gulch, 40 lks. wide, Course E and ascend.
40.00	Set temporary ¼ Sec. Cor.
54.00	Top of Spur, bears W and descend.
70.00	Cross Gulch, 50 lks. wide, Course N. W and ascend.
80.61	Intersect N. B. of Tp. 17 lks. E of cor. to secs. 3-4-33-34 from which corner, I run S. 7' E on a true line, between sections 3 & 4
	Variation ~~18° 45'~~ East.
40.61	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.61	The corner to sections 3-4-9 & 10
	Land mountainous
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	
	North, between Sections 32 and 33.
	Variation 18° 00 East.
17.00	Cross Wash, 40 lks. wide, Course S. E
40.00	Set a Sand stone 12 x 7 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 28-29-32-33 marked T, 31 N S, 28, on N, E, R, 49 W, S. 33 on S, E, S, 32 on S, W, and S, 29 on N, W, face, B with / notch on S, and 4 notch's on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 00 East.
1.50	Cross Wash, 40 lks. wide, Course S. E
12.00	Cross Wash, 50 lks. wide, Course S.
40.00	Set temporary ¼ Sec. Cor.
49.00	Cross Wash, 20 lks. wide, Course S. E
80.32	Intersect N. & S. line, 31 lks. S of cor. to secs. 28-29-32-33 from which corner, I run S 89° 47' W. on a true line between sections 28 & 33 Variation 15° 00 East
40.16	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.32	The corner to sections 28 - 29 - 32 & 33 Land rolling. Soil 2nd rate Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 15° 15' East.
3.00	Cross Wash, 3 chs lks. wide, Course S. E
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
47.00	Enter timber bears E & S.W.
61.00	Descend. along N.E. slope of hill
70.00	Leave timber bears E & W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 20 - 21 - 28 - 29 marked T, 31 N S, 21 , on N, E, R, 49 W, S.28 on S, E, S, 29 on S, W, and S, 20 on N, W, face, s with 2 notches on S, and 4 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post. Land rolling. Soil 2nd rate Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 21 and 28.
Variation 15° 15' East.

Chains	
3.00	Enter Pmi timber bears N. & S.
3.75	Cross Gulch, 20 lks. wide, Course N.
26.00	Cross Gulch, 40 lks. wide, Course N. and ascend.
40.00	Set temporary ¼ Sec. Cor.
46.00	Top of Bluff bears S and descend.
67.00	Cross Gulch, 40 lks. wide, Course N. and ascend.
80.13	Intersect N. & S. line, 42 lks. S of cor. to secs. 21-22-27-28 from which corner, I run S 89° 42' W. on a true line between sections 21 & 28
	Variation 15° 15' East
40.07	Set a Sand stone 14 x 12 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.13	The corner to sections 20-21-28 & 29

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian

North, between Sections 20 and 21.
Variation 15° 15' East.

Chains	
	Descend.
16.00	Enter timber bears N.W. & S.E.
26.00	Cross Gulch, 40 lks. wide, Course W and ascend.
40.00	Set a Sand stone 13 x 10 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which A Pine 8 ins. diam. bears N 10° W 19 lks. dist. marked ¼ S. B. T.
41.00	Top of Spur, bears E and descend.
60.00	Cross Gulch, 40 lks. wide, Course N. E. and ascend.
80.00	Set a Sand stone 14 x 10 x 4 ins. 8 ins. in the ground for Cor. to Secs. 16-17-20-21 marked with 8 notches on S. and 4 notches on E. of cs. 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
Timber of Pmi
Vegetation. Bunchgrass.

July 21st 1882.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21.
	Variation 15° 00 East.
1.00	Cross Gulch, 40 lks. wide, Course N.
7.00	Cross Gulch, 40 lks. wide, Course N. W and ascend.
20.00	Lone timber bears N. and S.
30.00	Top of Bluff bears N. and S. and descend.
40.00	Set temporary ¼ Sec. Cor.
52.00	Cross Gulch, 40 lks. wide, Course N. E and ascend.
79.82	Intersect N. & S. line, 57 lks. S. of cor. to secs. 15-16-21-22 from which corner, I run
	S 89° 38' W. on a true line between sections 16 & 21
	Variation 15° 00 East
39.91	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.82	The corner to sections 16 - 17 - 20 - & 21
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17.
	Variation 15° 15' East.
5.00	Cross Gulch, 40 lks. wide, Course N. W and ascend.
15.00	Top of Ridge, bears E and descend.
20.00	Cross Gulch, 40 lks. wide, Course W. and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
62.00	Top of Ridge, bears E and descend.
72.00	Cross Gulch, 40 lks. wide, Course S E and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 8. 9. 16 & 17 marked T, 31 N S, 9 , on N, E, R, 49 W, S. 16 on S, E, S, 17 on S, W, and S, 8 on N, W, face, & with 4 notch Cs on S, and 4 notch Cs on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4 ½ ft. base around post.
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

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

Variation 15° 00' East.

Chains	
19.00	Top of Spur, bears S, and descend.
28.00	Cross Canon, 40 lks. wide, Course N, and ascend.
35.00	Top of Spur, bears S, and descend.
40.00	Set temporary ¼ Sec. Cor.
57.00	Cross Canon, 50 lks. wide, Course N,
70.60	Dead Horse Cross Creek 48 lks. wide, Course NW and ascend.
79.97	Intersect N. & S. line, 3 lks. N, of cor. to secs. 9-10-15-16 from which corner, I run N 89° 59' W. on a true line between sections 9 & 16
	Variation 15° 00' East
39.99	Set a Sand stone 13 x 10 x 3 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.97	The corner to sections 8-9-16 & 17

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

North, between Sections 8 and 9.

Variation 15° 15' East.

Chains	
20.00	Cross Gulch, 40 lks. wide, Course E and ascend.
36.00	Top of Ridge, bears E and descend.
40.00	Set a Sand stone 16 x 13 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., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
68.00	Cross Gulch, 50 lks. wide, Course N E and ascend.
80.00	Set a post 4 ft. long, 4 ins. square. 12 ins. in the ground, for Cor. to Secs, 4-5-8-9 marked T, 31 N, S, 4, on N, E, R, 49 W, S. 9 on S, E, S, 8 on S, W, and S, 5 on N, W, face, S with 5 notch es on S, and 4 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9.
	Variation 15° 18' East.
2.00	Cross Gulch, 50 lks. wide, Course N.W and ascend.
21.00	Top of Spur, bears S. and descend.
22.50	Road Horse Cross Creek 40 lks. wide, Course N.W.
40.00	Set temporary ¼ Sec. Cor.
50.00	Cross Canon, 50 lks. wide, Course S.W and ascend.
80.12	Intersect N. & S. line, 37 lks. S of cor. to secs. 3-4-9-10 from which corner, I run S 89° 44' W. on a true line between sections 4 & 9
	Variation 15° 18' East
40.06	Set a Sand stone 14 x 8 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.12	The corner to sections 4 - 5 - 8 - 9
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5.
	Variation 15° 15' East.
3.00	Cross Gulch, 20 lks. wide, Course N.W and ascend.
30.00	Leave timber bears N.E. & S.W.
40.00	Set temporary ¼ Sec. Cor.
41.00	Road Horse Cross Creek 40 lks. wide, Course N.W. and ascend.
80.07	Intersect N. B. of Tp. 28 lks. W of cor. to secs. 4-5-32-33 from which corner, I run S 12' W on a true line between sections 4 & 5
	Variation 15° ~~00'~~ East.
40.07	Set a Sand stone 16 x 11 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., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.07	The corner to sections 4 - 5 - 8 & 9
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	July 21st 1882.

Township 31 North Range 48 West
6th Principal Meridian.

Chains	North, between Sections 31 and 32. Variation 15° 15' East.
20.00	Cross Gulch, 40 lks. wide, Course S. E.
27.00	Cross Gulch, 50 lks. wide, Course S. W.
40.00	Set a Sand stone 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., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 29-30-31-32 marked T, 31 N S, 29, on N, E, R, 49 W, S. 32 on S, E, S, 31 on S, W, and S, 30 on N, W, faces with 1 notch on S, and 5 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 29 and 32. Variation 15° 15' East.
40.00	Set temporary ¼ Sec. Cor.
70.00	Cross Gulch, 40 lks. wide, Course N E and ascend.
79.68	Intersect N. & S. line, 40 lks. N. of cor. to secs. 29-28-32-33 from which corner, I run N 89° 43' W. on a true line between sections 29 & 32 Variation 15° 15' East
39.84	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.68	The corner to sections 29-30-31 & 32
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 18' East.
40.00	Set temporary ¼ Sec. Cor.
70.00	Descend. N. W. Slope
79.58	Intersect W. B. of Tp. 87 lks. N. of cor. to secs. 30-31-25-36 from which corner, I run N 89° 35' E on a true line, between sections 30 & 31
	Variation 15° 15' East.
39.58	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.58	The corner to sections 29 - 30 - 31 & 32
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 29 and 30. Variation 15° 15' East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
64.00	Leave Plateau & enter timber
73.00	Cross Gulch, 40 lks. wide, Course N. E and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 19-20-29-30 marked T, 31 N S, 20, on N, E, R, 49 W, S. 29 on S, E, S, 30 on S, W, and S, 19 on N, W, faces with 2 notches on S, and 3 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post.
	Land level.
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 20 and 29.

Variation 15° 15' East.

Chains	
2.00	Cross Gulch, 40 lks. wide, Course N. E and ascend.
15.00	Top of Spur, bears S. and descend.
40.00	Set temporary ¼ Sec. Cor.
44.00	Cross Gulch, 50 lks. wide, Course N E & Leave timber
61.00	Enter timber bears N. & S.
66.00	Cross Gulch, 50 lks. wide, Course N. and ascend.
68.00	Leave timber bears N E & S. W.
75.00	Top of Bluff bears from S. and descend.
79.83	Intersect N. & S. line, 25 lks. N. of cor. to secs. 20-21-28-29 from which corner, I run N 89° 49' W. on a true line between sections 20 & 29
	Variation 15° 15' East
39.92	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.83	The corner to sections 19 - 20 - 29 & 30
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

West, on a random line between Sections 19 and 30.

Variation 15° 15' East.

Chains	
26.00	Top of Bluff bears N E & S W and descend.
40.00	Set temporary ¼ Sec. Cor.
50.00	Descend. S. W. slope
70.00	Cross Gulch, 40 lks. wide, Course N. W and ascend.
79.60	Intersect W. B. of Tp. 68 lks. N. of cor. to secs. 19-30-24-25 from which corner, I run N 89° 31' E on a true line, between sections 19 & 30
	Variation 15° 15' East.
39.60	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.60	The corner to sections 19 - 20 - 29 & 30
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

North, between Sections 19 and 20.

Variation 15° 15' East.

Chains	
14.00	Leave timber trees E. & W.
30.00	Top of Bluff bears W and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
58.00	Enter timber trees E. and W.
61.00	Cross Gulch, 50 lks. wide, Course N. E. and ascend.
69.17	A Pine 10 ins. diam. on line
71.00	Top of Spur, bears from W. and descend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 17-18-19-20 marked T. 31 N S, 17, on N, E, R, 49 W, S. 20 on S, E, S, 19 on S, W, and S, 18 on N, W, face, with 3 notches on S, and 6 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist., and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

A Pine 18 ins. diam. bears N 15° E from which 25 lks. dist. marked T. 31 N R. 49 W S., 17 B. T.
A Pine 8 ins. diam. bears N 45 W 87 lks. dist. marked T. 31 N R. 49 W S., 18 B. T.
A Pine 6 ins. diam. bears S 40 E 46 lks. dist. marked T. 31 N R. 49 W S., 20 B. T.
Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 17 and 20.

Variation 15° 15' East.

Chains	
	Frank Butts
4.00	Cross Creek 3 lks. wide, Course N. W. and ascend.
8.50	Top of Spur, bears N. and descend.
11.50	Cross Gulch, 50 lks. wide, Course S. W. and ascend.
30.00	Top of Spur, bears N. and descend.
40.00	Set temporary ¼ Sec. Cor.
60.00	Cross Gulch, 50 lks. wide, Course N. W. and ascend.
74.00	Top of Spur, bears S. and descend.
79.91	Intersect N. & S. line, 62 lks. N. of cor. to secs. 16-17-20-21 from which corner, I run S 89° 30' W. on a true line between sections 17 & 20
	Variation 15° 15' East
89.95	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
99.91	The corner to sections 17-18-19 & 20

Land mountainous
Soil 3rd rate
Timber of- Pine
Vegetation. Bunchgrass.

July 24th 1882.

Township 31 North Range 49 West
6th Principal Meridian.

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

Variation 15° 15' East.

Chains	
9.00	Top of Spur, bears from S. and descend.
22.00	Cross Gulch, 50 lks. wide, Course N.W and ascend.
30.00	Top of Spur, bears from S. and descend.
40.00	Set temporary ¼ Sec. Cor.
55.00	Cross Gulch, 50 lks. wide, Course N.W and ascend.
70.00	Top of Ridge, bears N. & S., and descend.
80.24	Intersect W. B. of Tp. 31 lks. N of cor. to secs. 18-19-13-24 from which corner, I run N 89° 47' E on a true line, between sections 18 & 19

Variation 15° 15' East.

40.24	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and E. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.24	The corner to sections 17 - 18 - 19 & 20

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

North, between Sections 17 and 18.

Variation 15° 15' East.

Chains	
	Lead Horse
2.00	Cross Creek S lks. wide, Course N.W, and ascend.
23.00	Top of Spur, bears E and descend.
30.00	Cross Gulch, 80 lks. wide, Course N.W, and ascend.
37.00	Top of Spur, bears from East and descend.
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 and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.00	Cross Gulch, 50 lks. wide, Course W and ascend.
54.00	Top of Spur, bears from E, and descend.
61.00	Top of ridge bears E & W
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 7-8-17-18 marked T, 31 N S, 8 , on N, E, R, 49 W, S. 17 on S, E, S, 18 on S, W, and S, 7 on N, W, face, with 4 notches on S, and 6 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post.

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 15° 15' East.
17.00	Cross Gulch, 50 lks. wide, Course N. E and ascend.
28.00	Top of Spur, bears from S. and descend.
40.00	Set temporary ¼ Sec. Cor.
70.00	Cross Gulch, 50 lks. wide, Course N and ascend.
79.69	Intersect N. & S. line, 15 lks. N. of cor. to secs. 8-9-16-17 from which corner, I run N 89° 54' W. on a true line between sections 8 & 17 Variation 15° 25' East
39.85	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.69	The corner to sections 7 - 8 - 17 - 18
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 15° 15' East.
8.00	Top of Hill bears N. and S. and descend.
12.00	Cross Gulch, 50 lks. wide, Course N. W and ascend.
24.00	Top of Spur, bears from S. and descend.
40.00	Set temporary ¼ Sec. Cor.
41.00	Cross Creek 20 lks. wide, Course N. & leave timber
80.77	Intersect W. B. of Tp. 16 lks. S of cor. to secs. 7-18-12-13 from which corner, I run S 89° 53' E on a true line, between sections 7 & 18 Variation 15° 15' East.
40.77	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.77	The corner to sections 7 - 8 - 17 & 18
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 7 and 8. Variation 15° 15' East.
4.00	Ascend. ridge bears E. & W.
35.00	Top of Ridge, bears N.E. & S.W. and descend. & leave Pmi timber
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
42.00	Descend. ridge bears N.E. and S.W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 5-6-7-8 marked T. 31 N S, 5 , on N, E, R, 49 W, S. 8 on S, E, S, 7 on S, W, and S, 6 on N, W, face, S with 5 notch es on S, and 6 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist., and raised a mound of earth 2 ft, high, 4½ ft, base around post.

Land mountainous
Soil 3rd rate
Timber of Pmi
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 15' East.
8.00	Ascend. ridge bears N.E. & S.W.
24.00	Cross Brook. 8 lks. wide, Course N. E
40.00	Set temporary ¼ Sec. Cor.
58.00	Top of Spur, bears N & and descend. E
60.00	Enter timber bears N E & S W
79.48	Intersect N. & S. line, 28 lks. S of cor. to secs. 4-5-8-9 from which corner, I run S 89° 48' W. on a true line between sections 5 & 8 Variation 15° 15' East
39.74	Set a Sand stone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.48	The corner to sections 5-6-7-8

Land rolling.
Soil 3rd rate
Timber of Pmi
Vegetation. Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 6 and 7.
	Variation 15° 15' East.
38.00	Cross Gulch, 50 lks. wide, Course N. and ascend.
40.00	Set temporary ¼ Sec. Cor.
65.00	Leave timber land trees NW & S, E,
81.59	Intersect W. B. of Tp. 33 lks. S of cor. to secs. 6-7-1-12 from which corner, I run S 89° 46' E on a true line, between sections 6 & 7
	Variation 15° 15' East.
41.59	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
81.59	The corner to sections 5-6-7-8
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 31 North Range 49 West
6th Principal Meridian.

Chains	North, on a random line between Sections 5 and 6.
	Variation 15° 15' East.
22.00	Enter meadow trees NW. & S,E,
25.00	Cross Road, bears N.E. and S.W.
38.00	Cross Gulch, 25 lks. wide, Course W.
40.00	Set temporary ¼ Sec. Cor.
63.00	Cross Gulch, 50 lks. wide, Course N. W.
80.50	Intersect N. B. of Tp. 73 lks. W of cor. to secs. 5-6-31-32 from which corner, I run S 31' W on a true line, between sections 5 & 6
	Variation 15° 15' East.
40.50	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.50	The corner to sections 5-6-7-8
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

July 25th 1882.

GENERAL DESCRIPTION.

a large portion of this Township is mountainous land and covered with a fine growth of pine timber. It is well watered and a great many of the valleys are of good soil and productive — nearly all the land is tillable and does not need irrigating. The soil in the mountains is free from stone and nearly all 2nd rate. The timber and mountains afford good shelter and no more desirable location for orchards or vineyards could be found than here are. There is some fine meadow land in the N. W. portion of the Tp. The streams are of pure cool water and run very rapid. The general drainage is to the N. W. Wild plums ripen in the valleys and are very large and perfect. They are abundant nearly every year

thus proving that fruit will grow in this Township. There are settlers and improvements in the S½

S.W. ¼ of the N.W. ¼ of Sec 4
N.W. ¼ " " S.W. ¼ " " 4
N.E. ¼ " " S.E. ¼ " " 5
East ½ " " N.E. ¼ " " 5.

U. S. Surveyor General's Office.

Plattsmouth Neb. Feb. 5th 1883

The foregoing Field Notes of the surveys of the subdivision lines of Township No 31 North, Range No 49 West of the Principal Base and Meridian in the State of Nebraska executed by Charles Buchanan U. S. Deputy Surveyor, under his contract No 3 dated November 11th 1881 in the Month of July 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~~

Chas Buchanan Deputy Surveyor.

T. 32 **North R.** 49 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 32 North Range 49 West

6th Principal Meridian.

BY

Chas Buchanan Deputy Surveyor.

Under his Contract of Nov 11 1881

Survey Commenced July 5th 1882.

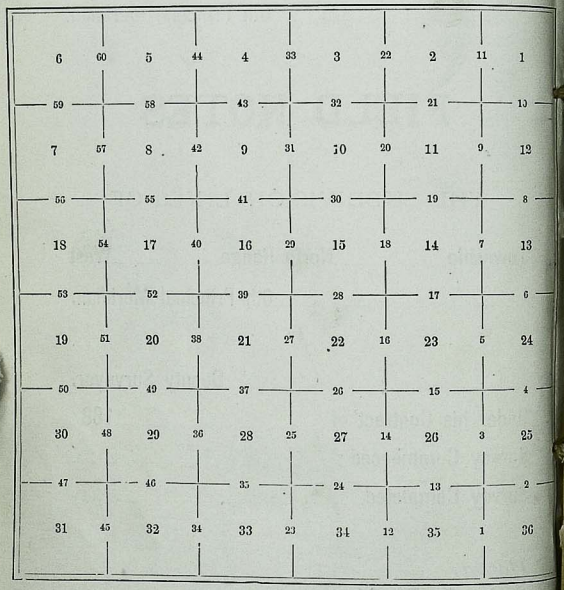
Survey Completed July 15th 1882.

Platted,
Copied for Washington,
Copied for Register,

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

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

.....6th Principal Meridian.



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

.....6th Principal Meridian.

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

6th Principal Meridian.

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

6th Principal Meridian.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by W.m L. E. Carley, of Troy N. Y. in 1880.

Township 32 North Range 49 West

(See previous page.)

6th Principal Meridian.

Chains	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36. Variation 15° 00 East.
14.00	Cross Gulch, 30 lks. wide, Course S. E and ascend.
38.00	Top of Spur, bears West and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
50.00	Cross Gulch, 25 lks. wide, Course N. E and ascend.
77.00	Top of Butte bears from W. and descend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 25-26-35 & 36 marked T, 32N S, 25, on N, E, R, 49W, S. 36 on S, E, S, 35 on S, W, and S, 26 on N, W, face, S with 1 notch 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 around post.

from which

A Pine 5 ins, diam. bears N 45 E 50 lks. dist. marked T. 32 N R. 49 W S., 25 B. T.

A Pine 6 ins, diam. bears S 40 W 9 lks. dist. marked T. 31 N R. 49 W S., 25 B. T.

A Pine 8 ins, diam. bears S 60 E 17 lks. dist. marked T. 32 N R. 49 W S., 36 B. T.

Land mountainous

Soil 3rd rate

Timber of Pine

Vegetation. Bunchgrass.

Township 32 North Range 49 West

6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15° 10 East.
	Descend.
20.00	Bottom of Bluff bears N. & S. an leave timber
40.00	Set temporary ¼ Sec. Cor. in road bears N. & S.
62.00	Enter Ash, Elm & Cottonwood timber
64.00	Cross Cuadron Creek 15 lks. wide, Course N.
71.00	Leave timber bears N. and S.
79.83	Intersect E B. of Tp. 26 lks. S of cor. to secs. 25-36-30 & 31 from which corner, I run S 89°.49' W on a true line, between sections 25 & 36

Variation ~~15° 50'~~ 15° 50' East.

39.91	Set a Sand stone 20 x 12 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

from which

A Pine 6 ins, diam. bears W 32 lks. dist. marked ¼ S. B. T.

A Pine 5 ins, diam. bears S 15° W, 30 lks. dist. marked ¼ S. B. T.

79.83	The corner to sections 25-26-35 & 36

Land mountainous

Soil 3rd. rate

Timber of Pine

Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 15° 00 East.
	Descend.
6.25	Cross Gulch, 50 lks. wide, Course E and ascend.
33.00	Top of Spur, bears from W, and descend.
40.00	Set a Sand stone 14 x 12 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
	from which
	A Pine 12 ins, diam. bears S15 lks. dist. marked ¼ S. B. T.
	A Pine 8 ins, diam. bears N. 10 lks. dist. marked ¼ S. B. T.
41.00	Cross Gulch, 30 lks. wide, Course E and ascend.
49.00	Top of Spur, bears West and descend.
68.00	Cross Gulch, 50 lks. wide, Course E and ascend.
80.00	Set a Sand stone 20 x 14 x 3 ins. 15 ins. in the ground for Cor. to Secs. 23-24-25-26 and with 2 notches on S. and / notch 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
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 00 East.
16.00	Bottom of Butte - trees N. & S.
26.90	Cross Road, bears N.W. & S.E.
40.00	Set temporary ¼ Sec. Cor.
41.50	Cross Wash, 20 lks. wide, Course N. E
70.00	Enter timber bears N. and S.
79.76	Intersect E B. of Tp. 14 lks. N. of cor. to secs. 24-25-19-30 from which corner, I run
	N. 89° 57 W on a true line, between sections 24 & 25
	Variation 15° 00 East.
39.88	Set a Sand stone 15 x 12 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.76	The corner to sections 23-24-25 & 26
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 23 and 24.

Variation 15° 00 East.

Chains	
	Ascend.
15.00	Top of Spur, bears from W. and descend.
21.00	Foot of bluff & Cedar timber bears NW & SE.
29.25	Cross Road, bears N. W. and S. E.
40.00	Set a Sand stone 18 x 12 x 3 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 16 x 10 x 5 ins. 10 ins. in the ground for Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and / notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

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

Variation 15° 00 East.

Chains	
	Descend.
10.00	Cross Canon, 76 lks. wide, Course N. W and ascend.
21.00	Top of Ridge, bears N. & S. and descend.
30.50	Cross Canon, 80 lks. wide, Course N. and ascend.
40.00	Set temporary ¼ Sec. Cor.
50.00	Top of Ridge, bears N. & S. and descend.
80.04	Intersect E. B. of Tp. 30 lks. S of cor. to secs. 13-24-18-19 from which corner, I run S 89° 47' W on a true line, between sections 13 & 24
	Variation 15° 00 East.
40.02	Set a Sand stone 15 x 12 x 3 ins., 10 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.
80.04	The corner to sections 13-14-23 & 24
	Land mountainous
	Soil 3rd. rate
	Timber of Pine
	Vegetation. Bunchgrass.
	July 6th 1882.

Township 32 North Range 49 West

6th Principal Meridian.

Chains	North, between Sections 13 and 14.
	Variation 15°. 00 East.
	Descend.
15.50	*Cross Gulch, 30 lks. wide, Course N. W and ascend.*
40.00	*Set a* Sand *stone* 15 x 12 x 3 *ins.,* 10 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
42.00	*Top of Ridge, bears* E & W. *and descend.*
64.00	*Cross Wash,* 30 *lks. wide, Course* N. E. *and ascend.*
80.00	*Set a* Sand *stone* 15 x 12 x 8 *ins.* 10 *ins. in the ground for Cor. to Secs.* 11-12-13-14 *marked with* 4 *notches on S. and* 1 *notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.*
	Land mountainous
	Soil 2nd. *rate*
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West

6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13.
	Variation 15° 00 East.
	Descend.
1.00	*Cross Gulch,* 20 *lks. wide, Course* N. E.
40.00	*Set temporary ¼ Sec. Cor.*
61.50	*Cross* Cehadron *Creek* 10 *lks. wide, Course* N. & *entertimber*
64.50	*Cross* " *Creek* 10 *lks. wide, Course* S. W.
74.00	*Cross* " *Creek* 15 *lks. wide, Course* N. W.
80.19	*Intersect* E *B. of Tp.* 22 *lks.* S *of cor. to secs.* 12-13-7-18 *from which corner, I run* S 89° 57' W *on a true line, between sections* 12 & 13
	Variation 15° 00 *East.*
40.00	*Set a* Sand *stone* 18 x 12 x 6 *ins.,* 12 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.;* N *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
80.19	*The corner to sections* 11-12-13 & 14
	Land rolling.
	Soil 2nd. *rate*
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West

6th Principal Meridian.

Chains	North, between Sections 11 and 12.
	Variation 15° 00 East.
	Ascend.
8.00	Top of Bulle bears from N. and descend.
30.00	Cross Gulch, 25 lks. wide, Course N. W.
40.00	Set a post 3 ft. long, 3 ins. diam.
	12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.00	Cross Gulch, 27 lks. wide, Course E a
80.00	Set a post 4 ft. long, 4 ins. square,
	12 ins. in the ground, for Cor. to Secs, 1-2-11-12 marked T, 32 N S, 1 , on N, E, R, 49 W, S. 12 on S, E, S, 11 on S, W, and S, 2 on N, W, face, S 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 around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West

6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12.
	Variation 15° 00 East.
8.00	Enter Creek bottom bears N. & S.
10.50	Cross Creek (Chadron) 20 lks. wide, Course W. & N.
15.00	Leave timber bears N. & S.
21.00	Leave Creek bottom bears N. & S.
40.00	Set temporary ¼ Sec. Cor.
60.00	Top of Bulle bears N. W. & S. E. and descend.
80.29	Intersect E B. of Tp. 61 lks. S of cor. to secs. 1-12-6-7 from which corner, I run S89° 34' W on a true line, between sections 1 & 12
	Variation 15° 00 East.
40.15	Set a post 3 ft. long, 3 ins. diam.
	12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.29	The corner to sections 1-2-11 & 12
	Land rolling.
	Soil 2nd. rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 1 and 2. Variation 15°20' East.
20.00	Enter Creek bottom & timber NW & SE
27.00	Cross Chadron Creek 12 lks. wide, Course W.
30.00	Leave timber bears N.W. & S.E.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
48.00	Enter timber bears N.E. & S.W.
57.00	Leave timber bears N.W.
61.00	Enter timber bears N.E.
74.00	Cross Chadron Creek 12 lks. wide, Course N.E.
80.88	Intersect the 8th Standard Parallel North at a point 3.31 chs. East of the Standard Cor. to Secs. 35 and 36 T. 33N R. 49W at which point I Set a Sand stone 16 x 12 x 4 ins. 11 ins. in the ground for Closing Cor. to Secs. 1 and 2 marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. Land mountainous Soil 3rd rate Timber of Pine Vegetation. Bunchgrass

Township 32 North Range 49 West

6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 15° 00' East.
10.00	Cross Gulch, 27 lks. wide, Course N.W. and ascend.
23.00	Top of Ridge, bears from E and descend.
39.00	Foot of ravine 30 lks wide and run N.W.
40.00	Set a Sand stone 20 x 8 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
62.00	Cross Gulch, 20 lks. wide, Course S.E. and ascend.
70.00	Top of Ridge, bears N. W. and descend.
78.00	Cross Gulch, 50 lks. wide, Course N.W.
	~~Cross Gulch, lks. wide, Course~~
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 26-27-34-35 marked T, 32N S, 26, on N, E, R, 49W, S. 35 on S, E, S, 34 on S, W, and S, 27 on N, W, faces 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 around post. Land mountainous Soil 3rd, rate Timber of Pine Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

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

Variation 15° 00 East.

Chains	
	Ascend.
10.00	Top of Spur, bears from N. and descend.
17.00	Cross Gulch, 30 lks. wide, Course S. W. and ascend.
33.00	Top of Ridge, bears S. and descend.
40.00	Set temporary ¼ Sec. Cor.
50.00	Cross Gulch, 30 lks. wide, Course N. E. and ascend.
58.00	Top of Spur, bears S. and descend.
64.00	Cross Gulch, 27 lks. wide, Course N E and ascend.
68.00	Top of Spur, bears N E & S W and descend.
80.37	Intersect N. & S. line, 44 lks. N. of cor. to secs. 25-26-35-36 from which corner, I run N 89° 41' W. on a true line between sections 26 & 35
	Variation 15° 00 East
40.19	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.37	The corner to sections 26-27-34 & 35
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 26 and 27.

Variation 15° 45' East.

Chains	
	Ascend.
15.00	Top of Ridge, bears N W & S E and descend.
30.00	Base of ridge bears E & W.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
56.00	Cross Gulch, 30 lks. wide, Course N. E and ascend.
80.00	Set a Sand stone 12 x 10 x 6 ins. 8 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches on E. sides 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
	Timber of Pine
	Vegetation. Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	July 7th 1882.

Township 32 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 23 and 26.

Variation 15° 00 East.

Chains	
	Descend.
7.00	Cross Gulch, 30 lks. wide, Course N. E and ascend.
38.00	Top of Ridge, bears N.E. & S.W. and descend.
40.00	Set temporary ¼ Sec. Cor.
63.00	Ascend. S. W. slope.
79.50	Top of Spur, bears N.W & N. E. and descend.
80.20	Intersect N. & S. line, 12 lks. N of cor. to secs. 23-24-25-26 from which corner, I run
	N 89° 55' W. on a true line between sections 23 & 26
	Variation 15° 00 East
40.10	Set a Sand stone 14 x 10 x 3 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.20	The corner to sections 22-23-26 & 27
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 22 and 23.

Variation 15° 00 East.

Chains	
	Descend.
22.00	Bottom gulch & leave timber trees E & W.
40.00	Set a Sand stone 15 x 10 x 3 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 18 x 12 x 6 ins. 12 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with 3 notches on S. and 2 notches on E. sides. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 00 East.
	Descend.
36.50	Cross Gulch, 30 lks. wide, Course N. E
61.00	Cross Road, bears N W. & N. E.
66.50	Top of Ridge, bears N. & S. and descend.
40.00	Set temporary ¼ Sec. Cor.
60.01	Intersect N. & S. line, 61 lks. N. of cor. to secs. 13-14-23-24 from which corner, I run N 89° 34' W. on a true line between sections 14 & 23
	Variation ~~15° 00'~~ East
40.01	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.01	The corner to sections 14-15-22 & 23
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° 00 East.
	Ascend.
26.00	Top of Ridge, bears S. W and descend.
40.00	Set a Scribed stone 14 x 12 x 3 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
48.00	Cross Gulch, 30 lks. wide, Course NW and ascend.
60.00	Top of Butte bears West and descend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 10-11-14-15 marked T. 31 N S, 11 , on N, E, R, 49 W, S. 14 on S, E, S, 15 on S, W, and S, 10 on N, W, face, with 4 notches on S, and 2 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land mountainous
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

East, on a random line between Sections 11 and 14.

Variation 13° 00 East.

Chains	
16.50	Cross Wash, 300 lks. wide, Course N.
22.00	Cross Road, bears N. & S.
40.00	Set temporary ¼ Sec. Cor.
42.00	Ascend. ridge bears N. & S.
60.00	Top of Ridge, bears N.E. & S. and descend.
79.84	Intersect N. & S. line, 40 lks. N. of cor. to secs. 11-12-13-14 from which corner, I run N 89° 45' W. on a true line between sections 11 & 14
	Variation 13° 00 East
39.92	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.84	The corner to sections 10-11-14 & 15

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 10 and 11.

Variation 13° 40 East.

Chains	
	Descend.
25.00	Cross Wash, 100 lks. wide, Course N E and ascend.
40.00	Set a Sand stone 12 x 7 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 2-3-10-11 marked T, 32 N S, 2, on N, E, R, 49 W, S. 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face, S with 5 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, 4 ½ ft, base around post.

Land rolling.
Soil 2nd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 15° 00 East.
22.00	Enter Creek bed Timber bears N. & S.
23.25	Cross Gulch, 40 lks. wide, Course N.
25.00	Leave timber and ascend bluff N. & S.
27.50	Cross Wash, 300 lks. wide, Course N. W. and ascend
40.00	Set temporary ¼ Sec. Cor.
74.00	Top of Ridge, ~~bears~~ and descend.
60.00	Cross Road, bears N. & S.
79.97	Intersect N. & S. line, 30 lks. N of cor. to secs. 1-2-11-12 from which corner, I run N 89° 39' W. on a true line between sections 2 & 11 Variation 15° 00' East
39.99	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.97	The corner to sections 2 - 3 - 10 & 11 Land mountainous Soil 3rd rate Timber of Pine Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian

Chains	North, on a ~~random~~ true line between Sections 2 and 3. Variation 15° 00 East.
~~27~~	Descend.
21.50	Cross Wash, 100 lks. wide, Course N. W. and ascend.
23.00	Top of Bank & Enter timber N. W.
25.00	Cross Wash, 30 lks. wide, Course W and ascend.
30.00	Leave timber and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
43.00	Top of Ridge, bears E and descend.
50.50	Cross Road, bears N E & S W.
80.46	Intersect the 8th Standard Parallel North at a point 3.98 chs. East of the Standard Cor. to Secs. 34 and 35 T. 33 N R. 49 W at which point I Set a Sand stone 17 x 12 x 5 ins. 12 ins. in the ground for Closing Cor. to Secs. 2 and 3 marked C. C. with 2 notch Es on E. and 4 notch Es on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. Land mountainous. Soil 3rd rate Vegetation. Bunchgrass Timber of Pine July 8th 1885.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 33 and 34.

Variation 15° 00 East.

Chains	
	Ascend.
20.00	Top of Spur, bears S E and descend.
35.00	Cross Gulch, 30 lks. wide, Course N 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 and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
44.00	Barg ridge and ascend S. W. slope
62.00	Top of Spur, bears E and descend.
76.00	Cross Gulch, 30 lks. wide, Course W and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 27-28-33-34 marked T. 31 N S, 27, on N, E, R, 49 W, S. 34 on S, E, S, 33 on S, W, and S, 28 on N, W, face, S with 1 notch on S, and 3 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

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

Variation 15° 00 East.

Chains	
20.00	Cross Gulch, 30 lks. wide, Course N and ascend.
30.00	Top of Ridge, bears S and descend.
40.00	Set temporary ¼ Sec. Cor.
48.00	Cross Gulch, 40 lks. wide, Course N.W and ascend.
76.00	Top of Ridge, bears N.W. & N.E, and descend.
79.81	Intersect N. & S. line, 15 lks. S of cor. to secs. 26-27-33-34 from which corner, I run S 89° 54' W. on a true line between sections 27 & 34 Variation 15° 00' East
39.90	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins. N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.81	The corner to sections 27-28-33 & 34

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 27 and 28.

Variation 15° 00 East.

Chains	
	Ascend.
30.00	Top of hill bears from W, and descend.
36.00	Cross Creek 10 lks. wide, Course N. W.
39.50	Cross Creek 10 lks. wide, Course N. E.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
46.00	Cross Creek 10 lks. wide, Course W and ascend.
	leave scattering timber
65.00	Top of Bluff bears E & W and descend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 21-22-27-28 marked T, 31 N S, 22, on N, E, R, 49 W, S. 27 on S, E, S, 28 on S, W, and S, 21 on N, W, face, with 2 notches on S, and 3 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post.

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

East on a random line between Sections 22 and 27.

Variation 15° 00 East.

Chains	
20.00	Enter scattering Pine and ascend NW
40.00	Set temporary ¼ Sec. Cor.
52.00	Top of Ridge, bears S E & S W and descend.
70.00	Descend & slope of Bluff
79.99	Intersect N. & S. line, 11 lks. N of cor. to secs. 21-22-26-27 from which corner, I run N 89° 55' W. on a true line between sections 22 & 27
	Variation 15° 00 East
39.99	Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.99	The corner to sections 21-22-27 & 28

Land mountainous
Soil 3rd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 21 and 22. Variation 15° 00 East.
	Descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 15 - 16 - 21 - 22 marked T, 32 N S, 15, on N, E, R, 49 W, S. 22 on S, E, S, 21 on S, W, and S, 16 on N, W, face, S with 3 notches on S, and notch 3 on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land rolling.
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 15° 00 East.
	Descend.
6.00	Cross Wash, 40 lks. wide, Course N. E and ascend.
40.00	Set temporary ¼ Sec. Cor.
45.00	Top of Ridge, bears N. & S and descend.
70.00	Cross Gulch, 30 lks. wide, Course N E and ascend.
80.11	Intersect N. & S. line, 31 lks. S of cor. to secs. 14 - 15 - 22 - 23 from which corner, I run S 89° 47' W. on a true line between sections 15 & 22
	Variation 15° 00 East
40.06	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.11	The corner to sections 15 - 16 - 21 & 22
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	July 10th 1882.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 15° 00 East.
	Descend.
9.50	Cross Wash, 30 lks. wide, Course W.
21.75	Cross Wash, 10 lks. wide, Course N. W.
39.75	Cross Wash, 45 lks. wide, Course W, and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
	from which
	A Cottonwood 8 ins. diam. bears S 41 E 41 lks. dist. marked ¼ S. B. T.
43.75	Top of Bluff bears from E and descend.
75.90	Cross Road, bears N E and S W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 9-10-15 & 16 marked T, 31 N S, 10, on N, E, R, 49 W, S. 15 on S, E, S, 16 on S, W, and S, 9 on N, W, face, 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, 4 ½ ft, base ground post.
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15. Variation 15° 00 East.
	Descend.
7.75	Cross Road, bears N E and S W,
40.00	Set temporary ¼ Sec. Cor.
65.00	Top of Ridge, bears N. & S and descend.
75.75	Cross Wash, 30 lks. wide, Course N and ascend.
77.00	Top of Bluff bears from S and descend.
79.87	Intersect N. & S. line, 6 lks. N. of cor. to secs. 10-11-14-15 from which corner, I run N 89° 57' W. on a true line between sections 10 & 15 Variation 15° 00' East
39.94	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.87	The corner to sections 9-10-15 & 16
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 00 East.
	Descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 3 - 4 - 9 - 10 marked T, 32N S, 3 , on N, E, R, 49W, S. 10 on S, E, S, 9 on S, W, and S, 4 on N, W, faces with 5 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, 4 ½ ft, base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 00. East.
	Descend.
20.50	Cross Wash, 20 lks. wide, Course N.
40.00	Set temporary ¼ Sec. Cor.
43.00	Cross Road, bears N. & E.
79.70	Intersect N. & S. line, 34 lks. N of cor. to secs. 2 - 3 - 10 - 11 from which corner, I run N 89° 45' W. on a true line between sections 3 & 10 Variation 15° 00 East
39.85	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.70	The corner to sections 3 - 4 - 9 & 10
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	
	North, on a ~~random~~ true line between Sections 3 and 4. Variation 15° 00 East.
	Ascend.
22.00	Top of Bluff bears S&E and S.W. and descend.
32.00	Cross Wash, 40 lks. wide, Course N. W
40.00	Set a Sand stone 12 x 8 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. N.E. & S.W.
50.00	Lost Robinson and Pine ridge road trans
58.50	Ascend. Bluff bears N.E. and S.W.
69.75	Telegraph line bears N.E. & S.W. on Top of Ridge, bears and descend. to cor
79.73	Intersect the 8th Standard Parallel North at a point 4.58 chs. East of the Standard Cor. to Secs. 35 and 34 T. 33 N. R. 49 W. at which point I Set a Sand stone 17 x 8 x 4 ins. 12 ins. in the ground for Closing Cor. to Secs. 3 and 4 marked C. C. with 3 notches on E. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. Land rolling. Soil 2nd rate Vegetation Bunchgrass

Township 32 North Range 49 West
6th Principal Meridian.

Chains	
	North, between Sections 32 and 33. Variation 15° 00 East.
40.00	Set a Sand stone 12 x 5 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 28-29-32-33 marked T, 32 N S, 28, on N, E. R, 49 W, S. 33 on S, E, S, 32 on S, W, and S, 29 on N, W, faces with 1 notch on S, and 4 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4½ ft, base around post. Land rolling. Soil 2nd rate Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 00 East.
	Descend.
25.75	Cross Creek 70 lks. wide, Course N. and ascend.
40.00	Set temporary ¼ Sec. Cor.
63.00	Enter timber trees SW & SE & ascend SW slope
79.96	Intersect N. & S. line, 25 lks. S of cor. to secs. 27-28-33-34 from which corner, I run S89° 49' W. on a true line between sections 28 & 33 Variation 15° 00' East
39.98	Set a Sand stone 16 x 12 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., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.96	The corner to sections 28 - 29 - 32 & 33
	Land rolling.
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass,

Township 32 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 15° 00 East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 20-21-28-29 marked T, 32 N S, 21, on N, E, R, 49 W, S. 28 on S, E, S, 29 on S, W, and S, 20 on N, W, faces with 2 notch es on S, and 4 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.
	July 11th 1882.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15° 00' East.
	Ascend.
21.00	Top of Spur, bears W & E and descend. to ravine
29.00	Cross Gulch, 40 lks. wide, Course N and ascend.
39.00	Top of Ridge, bears N W & S, and descend.
40.00	Set temporary ¼ Sec. Cor.
79.73	Intersect N. & S. line, 8 lks. N of cor. to secs. 21-22-27-28 from which corner, I run N 89° 57' W. on a true line between sections 21 & 28 Variation 15° 00' East
39.87	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.73	The corner to sections 20-21-28 & 29
	Land mountainous
	Soil 3rd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 20 and 21. Variation 15° 00' East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 16-17-20 21 marked T, 32 N S, 16, on N, E, R, 49 W, S. 21 on S, E, S, 20 on S, W, and S, 17 on N, W, face S 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, 4 ½ ft, base around post.
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15° 00 East.
	Descend.
36.00	Cross Gulch, 40 lks. wide, Course N. W and ascend.
40.00	Set temporary ¼ Sec. Cor.
79.88	Intersect N. & S. line, 19 lks. S of cor. to secs. 15-16-21-22 from which corner, I run S 89° 52' W. on a true line between sections 16 & 21 Variation 15° 00 East
39.94	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.88	The corner to sections 16-17-20 & 21
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15° 00 East.
6.00	Cross Trail, bears NE, and SW
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a Sand stone 15 x 12 x 6 ins. 10 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with 4 notch es on S. and 4 notch es on E. edges. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16. Variation 15° 00 East.
	Descend.
7.00	Cross Gulch, 30 lks. wide, Course N. W
26.00	Cross Gulch, 40 lks. wide, Course N W and ascend.
40.00	Set temporary ¼ Sec. Cor.
53.00	Top of hill bears N. E. & S W and descend.
72.00	Cross Wash, 75 lks. wide, Course N. E, and ascend.
80.22	Intersect N. & S. line, 40 lks. S of cor. to secs. 9-10-15-16 from which corner, I run S 89° 45' W. on a true line between sections 9 & 16
	Variation 15° 00' East
40.11	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.22	The corner to sections 8-9-16 & 17
	Land rolling.
	Soil 3rd. rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 8 and 9. Variation 15° 00 East.
	Descend.
9.00	Cross Gulch, 20 lks. wide, Course N W and ascend.
40.00	Set a Sand stone 12 x 10 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 4-5-8-9 marked T, 32 N S, 4, on N, E, R, 49 W, S. 9 on S, E, S, 8 on S, W, and S, 5 on N, W, face, S with 5 notch on S, and 4 notch on E, edges. dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 15° 00 East.
	Descend.
20.00	Cross Wash, 100 lks. wide, Course N. E
25.00	Cross Wash, 75 lks. wide, Course N. E
39.00	Cross Wash, 75 lks. wide, Course N E and ascend.
40.00	Set temporary ¼ Sec. Cor.
80.60	Intersect N. & S. line, 68 lks. S of cor. to secs. 3-4-9-10 from which corner, I run S 89° 31' W. on a true line between sections 4 & 9
	Variation 15° 00' East
40.30	Set a Sand stone 14 x 12 x 3 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.60	The corner to sections 4-5-8-9
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass,

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 4 and 5. Variation 13° 00 East.
16.00	Cross Road. Ft. Robinson to Pine Ridge trans N E & S. W.
28.00	Telegraph line trans N. E. and S. W.
37.00	Cross Wash, 75 lks. wide, Course N E and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.11	Intersect the 8th Standard Parallel North at a point 4.27 chs. East of the Standard Cor. to Secs. 33 and 34 T. 33 N. R. 49 W. at which point I Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Secs. 4 and 5 marked T. 33 N. R. 49 W., on S. 4 on E and S. 5 on W faces, with 4 notches on E and 2 notches on W faces, dug pits 18 x 18 x 12 ins. S. E. & W. of post, 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass
	July 12th 1882.

Township 32 North Range 49 West
6th Principal Meridian.

North, between Sections 31 and 32.

Variation 15° 00 East.

Chains	
	Descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
42.00	Cross Gulch, 30 lks. wide, Course NE and ascend.
50.00	Top of hill bears N, W, & S, W, and descend.
73.00	Cross Gulch, 30 lks. wide, Course NW and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 29 - 30 - 31 & 32 marked T, 32 N S, 29, on N, E, R, 49 W, S. 32 on S, E, S, 31 on S, W, and S, 30 on N, W, face, S with / notch on S, and 5 notch cs on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

Land rolling.
Soil 2nd rate
Timber of Pine
Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

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

Variation 15° 00 East.

Chains	
	Descend.
35.00	Cross Creek 15 lks. wide, Course N. W,
40.00	Set temporary ¼ Sec. Cor.
79.75	Intersect N. & S. line, 45 lks. N of cor. to secs. 28 - 29 - 32 - 33 from which corner, I run N 89° 41' W. on a true line between sections 29 & 32 Variation 15° 00 East
39.87	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.75	The corner to sections 29 - 30 - 31 & 32

Land rolling.
Soil 2nd rate
Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 00 East.
	Descend.
10.00	Cross Gulch, 30 lks. wide, Course N. W.
40.00	Set temporary ¼ Sec. Cor.
47.50	Cross Gulch, 40 lks. wide, Course NW and ascend.
82.35	Intersect W B. of Tp. 60 lks. N of cor. to secs. 30-31-25-36 from which corner, I run N 89° 34' E on a true line, between sections 30 & 31 Variation 15° 00' East.
42.35	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
82.35	The corner to sections 29-30-31 & 32
	Land rolling.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian

Chains	North, between Sections 29 and 30. Variation 15° 00 East.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. square. 12 ins. in the ground, for Cor. to Secs, 19-20-29-30 marked T, 31 N S, 20, on N, E, R, 49 W, S. 29 on S, E, S, 30 on S, W, and S, 19 on N, W, face, S with 1 notch rs on S, and 5 notch rs on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land level.
	Soil 2nd rate
	Timber of Pine
	Vegetation. Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29.
	Variation 15° 00 East.
20.00	Descend. Road Horse No. Cross Creek 15 lks. wide, Course W.
40.00	Set temporary ¼ Sec. Cor.
44.00	Cross Gulch, 60 lks. wide, Course N. W. and ascend.
80.03	Intersect N. & S. line, 13 lks. N. of cor. to secs. 20-21-28-29 from which corner, I run N 89° 54' W. on a true line between sections 20 & 29
	Variation 15° 20' East
40.02	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.03	The corner to sections 19-20-29 & 30
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30
	Over level land Variation 15° 00 East.
40.00	Set temporary ¼ Sec. Cor.
46.75	Cross Road, bears N. E. and S. W.
70.00	Cross Gulch, 30 lks. wide, Course N. W.
78.00	Cross Creek 20 lks. wide, Course N. W.
83.08	Intersect W. B. of Tp. 27 lks. N. of cor. to secs. 19-30-25 & 24 from which corner, I run N 89° 48' E on a true line, between sections 19 & 30
	Variation 15° 08' East.
43.08	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
83.08	The corner to sections 19-20-29 & 30
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

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

July 13th 1882.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 19 and 20.
	Variation 15° 00 East.
36.00	Cross Road, bears N E & S W,
40.00	Set a Sand stone 10 x 10 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 and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 20 x 12 x 10 ins. 15 ins. in the ground for Cor. to Secs. 17-18-19-20 marked with 3 notches on S. and 3 notches on E. sides, 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 rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20.
	Variation 15° 00 East.
37.00	Cross Road bears N. and S.
39.75	Brad Horse Cross Creek 15 lks. wide, Course N. E and ascend.
40.00	Set temporary ¼ Sec. Cor.
57.00	Top of hill bears N. W. & S. E and descend.
75.00	Base of hill bears N. & S.
79.62	Intersect N. & S. line, 63 lks. N. of cor. to secs. 16-17-20-21 from which corner, I run
	N 89 33' W. on a true line between sections 17 & 20
	Variation 15° 00 East
39.81	Set a Sand stone 16 x 12 x 3 ins., 10 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.
79.62	The corner to sections 16-17-20 & 21
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass

Township 32 North Range 49 West
6th Principal Meridian.

Chains	
	West, on a random line between Sections 18 and 19. Variation 15° 00 East.
	Ascend.
30.00	Top of Hill bears NW & SE, and descend.
40.00	Set temporary ¼ Sec. Cor.
75.00	Basin hill bears N.W & S.E,
83.70	Intersect W. B. of Tp. 81 lks. N. of cor. to secs. 18-19-13-24 from which corner, I run N.79° 25' E on a true line, between sections. 18 & 19
	Variation 15° 00 East.
43.70	Set a Sand stone 12 x 8 x 4 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 raised a mound of earth 1½ ft. high, 3½ ft. base.
83.70	The corner to sections 17-18-19 & 20
	Land rolling.
	Soil 2nd rate.
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	
	North, between Sections 17 and 18. Variation 15° 00 East.
40.00	Set a Sand stone 15 x 12 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 7-8-17-18 marked T, 32 N S, 8, on N, E, R, 49 W. S. 17 on S, E, S, 18 on S, W, and S, 7 on N, W, face S with 4 notch cs on S, and 3 notch cs on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist., and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17.
	Dog Horn Variation 15° 00 East.
1.00	Cross Creek 15 lks. wide. Course NW and ascend.
33.00	Cross Road, bears N. and S.
40.00	Set temporary ¼ Sec. Cor.
79.90	Intersect N. & S. line, 42 lks. N. of cor. to secs. 8-9-16 & 17 from which corner, I run N89° 42' W. on a true line between sections 8 & 17
	Variation 15° 00' East
39.95	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.90	The corner to sections 7-8-17 & 18
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18.
	Variation 15° 00 East.
40.00	Set temporary ¼ Sec. Cor.
52.00	Cross Gulch, 30 lks. wide, Course NW and ascend.
83.17	Intersect W. B. of Tp. 16 lks. N. of cor. to secs. 7-18-12-13 from which corner, I run N89° 53' E on a true line, between sections 7 & 18
	Variation 15° 00' East.
43.17	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
83.17	The corner to sections 7-8-17-18
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, between Sections 7 and 8. Variation 15° 00 East.
	Descend. Road Horse
9.00	Cross Creek 10 lks. wide, Course N. W.
13.00	Cross Creek 10 lks. wide, Course N. E.
17.00	Cross Creek 10 lks. wide, Course N. W and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
65.00	Telegraph line bears N E & S. W.
72.40	Cross Road, from Ft. Robinson to Pine Ridge bears N E and S. W.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs, 5-6-7-8 marked T, 32 N S, 5, on N, E, R, 49 W. S. 8 on S, E, S, 7 on S, W, and S, 6 on N, W, face, S with 5 notch es on S, and 5 notch es on E, edges, dug pits 18 x 18 x 12 ins, in each Sec,, 5½ ft, dist,, and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.
	Land rolling.
	Soil 2nd rate
	Vegetation Bunchgrass,
	July 14th 1882.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 00 East.
	Over level land
26.00	Telegraph line bears N. E & S. W.
33.50	Cross Road, bears N. E. & S. W.
40.00	Set temporary ¼ Sec. Cor.
80.19	Intersect N. & S. line, 35 lks. N, of cor. to secs. 4-5-8-9 from which corner, I run N 89° 45' W. on a true line between sections 5 & 8 Variation 15° 00' East
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.19	The corner to sections 5-6-7-8
	Land level.
	Soil 2nd rate
	Vegetation Bunchgrass,

Township 32 North Range 49 West
6th Principal Meridian.

Chains	West, on a random line between Sections 6 and 7.
	Dead Horse Variation 15° 00 East.
27.00	Cross Creek 10 lks. wide, Course N. W
40.00	Set temporary ¼ Sec. Cor.
83.80	Intersect W B. of Tp. 52 lks. N of cor. to secs. 6-7-1-12 from which corner, I run N 89° 38' E on a true line, between sections 6 & 7 Variation 15° 00' East.
43.80	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
83.80	The corner to sections 6-7-18 & 5 Land level. Soil 2nd rate Vegetation Bunchgrass.

Township 32 North Range 49 West
6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 5 and 6.
	Variation 15° 00 East.
32.00	Cross Gulch, 30 lks. wide, Course N. W. and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
79.68	Intersect the 8th Standard Parallel North at a point 4.88 chs. East of the Standard Cor. to Secs. 31 and 32 T. 33 N. R. 49 W. at which point I Set a Sand stone 18 x 12 x 4 ins. 12 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notch on E. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling Soil 2nd rate Vegetation Bunchgrass July 15th 1892.

GENERAL DESCRIPTION.

The General Character of this Township is gently rolling with 2nd rate soil. The S.E portion is mountainous and has some fine timber in it. The Township is abundantly supplied with water from Chadron, Dead Horse Creeks. which flow through it. and much of the dry land might be irrigated. The bottom lands are productive without irrigation or artificial means. The Ft. Robinson and Pine Ridge Wagon road and Telegraph line traverse the Township. Mr. Hunters Ranch is situated in Sec. 20 on Dead Horse Creek. There are claims & improvements also on the W 1/2 of N.W. 1/4 of Sec 1. W 1/2 S.W 1/4 of Sec 1. E 1/2. N.E 1/4 of Sec. 2. E 1/2 & S E 1/4 of Sec 3. N.E 1/4 & N E 1/4 of Sec 11. N. W 1/4 of Sec 12.

U. S. Surveyor General's Office.

Plattsmouth, Neb. Feb 5th 1883

The foregoing Field Notes of the surveys of the Subdivisional Lines of Township No 32 North, Range 19 West of the Principal Base and Meridian in the State of Nebraska executed by Charles Buchanan U. S. Deputy Surveyor, under his contract, dated November 11th 1881 on the Month of July 1882 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

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.