General Land Office • Original Field Notes

Book Number

710

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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.

(71)

Wm F. Reilly Deputy Surveyor.

T. 29 N. R. 53 W.

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 29 N. Range 53 W.

6th Principal Meridian.

BY

Wm F. Reilly Deputy Surveyor.

Under his Contract of Sept. 22. 1881

Survey Commenced Mar 20th 1881

Survey Completed Mar 25th 1881

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

.....Meridian.

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

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

.....Meridian.

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

..... Meridian.

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

..... Meridian.

Survey made with Burt's Patent Improved Solar Compass, newly run, and in first rate order. Made by Th. L. & Gurley of Troy N. Y. in 1881

Township 29 N. Range 53 W.

See previous page 6th Principal Meridian.

which is a post & stone in earth mound and pits

Chains	From the corner to Sections 35, 36, ~~land 2~~ on the South boundary, I run North, between Sections 35 and 36. Variation 15° 21' East.
	Ascend
40.00	Set a sand stone 20x10x6 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3/2 ft. base
60.00	Top of hill bears E. & W. and descend.
80.00	Set a sand stone 16x14x12 ins. 10 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with 1 notch on S. and 1 notch on E. edges, dug pits 18x18x12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high & 4 1/2 ft. base.
	Land hilly
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15° 21' East.
	Descend, Crossing land
40.00	Set temporary 1/4 Sec. Cor.
41.00	Descend at Foot Hills
41.30	Cross Gulch, 50 lks. wide, course S. E. and ascend
60.00	Top of hill bears N. & S. and descend.
62.00	Cross Gulch, 20 lks. wide, course S. E. and ascend
80.12	Intersect E. B. of Tp. 67 lks. South of Cor. to Secs. 30-31-25-36 which is a mound and pits with post no S. E. pit from which corner, I run S. 89° 57' W. on a true line, between sections 25 & 36 Variation 15° 21' East.
40.06	Set a sand stone 18x16x12 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
80.12	The corner to sections 25-26-35-36.
	Land hilly
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 29 N. Range 53 W. 5th Principal Meridian.

Chains	North, between Sections 25 and 26 Variation 15° 21' East.
	Ascend.
31.00	Cross Gulch, 30 lks. wide, course N. E. and ascend.
40.00	Set a sand stone 11 x 9 x 8 ins., 6 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
72.00	Top of hill, bears S. 80° E. & N. 80° W. and descend.
80.00	Set a sand stone 14 x 12 x 6 ins., 10 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land hilly
	Soil 2d & 3d rate
	Vegetation Bunchgrass

Township 29 N. Range 53 W. 5th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 30' East.
	Ascend.
40.00	Set temporary 1/4 sec. cor. on
	Top of hill bears N. & S. and descend
43.00	Cross Gulch, 100 lks. wide, course South and ascend.
66.00	Top of hill bears N. & S. and descend.
80.20	Footpaved E. B. of Tp. 16 lks. South of cor. to secs. 24-25-19-30 which is a mound and pits with post in S. E. pit from which corner, I run S. 89° 53' W. on a true line, between sections 24-25. Variation 15° 30' East.
40.10	Set a sand stone 11 x 9 x 6 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.20	The corner to sections 23-24-25-26.
	Land hilly
	Soil 2d & 3d rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 15° 30' East.
	Ascend.
40.00	Set a sand stone 11 x 8 x 3 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
46.00	Cross Gulch, 40 lks. wide, course S. 30° E. and ascend.
80.00	Set a sand stone 9 x 6 x 3 ins. 6 ins. in the ground for Cor. to Secs. 18-14-23-24 marked with 8 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land rolling
	Soil 2d. & 3d. sale
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 16° 18' East.
	Ascend.
20.00	Top of hill bears N. & S. and descend.
30.00	Cross Gulch, 20 lks. wide, course S. 60° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
79.97	Intersect E. B. of Tp. 43 lks. North of cor. to secs. 18-14-13-24 which is a mound and pits with post in S. E. pit from which corner, I run N. 89° 42' W. on a true line, between sections 13-24.
	Variation 16° 18' East.
39.99	Set a sand stone 9 x 7 x 6 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.97	The corner to sections 13-14-23-24.
	Sand hilly
	Soil 2d. & 3d. sale
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	North, between Sections 13 and 14. Variation 16° 10' East.
	Ascend.
40.00	Set a sand stone 11 x 9 x 4 ins., 8 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1/2 ft. high, 3 1/2 ft. base
48.00	Top of hill bears E. & W. and descend.
57.00	Cross Gulch, 100 lks. wide, course S. 20° W. and ascend.
80.00	Set a sand stone 14 x 12 x 10 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. edge, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Sand hilly
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 15° 27' East.
38.00	Ascend
40.00	Set temporary 1/4 sec. cor.
53.00	Top of hill bears N. & S. and descend.
80.14	Intersect E. B. of Tp. 21 lks. South of cor. to secs. 12-13-7-18 which is a mound and pits with post in S. E. pit from which corner, I run S. 89° 51' W. on a new line, between sections 12-13. Variation ~~15° 27'~~ East.
40.07	Set a sand stone 11 x 9 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1/2 ft. high, 3 1/2 ft. base.
80.14	Ten corner to sections 11-12-13-14.
	Sand hilly
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 27' East.
	Ascend.
28.00	Top of hill bears S. E. & N. W. and descend.
40.00	Set a sand stone 12 x 9 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
69.90	Cross Road, bears N. 20° E. & S. 20° W.
80.00	Set a sand stone 12 x 10 x 6 ins. 8 ins. in the ground for Cor. to Secs. 1-2-11-12 marked with 5 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land hilly
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 20' East.
	Descend.
2.31	Cross Road, bears N. 10° E. & S. 10° W.
20.00	Cross Gulch 30 lks. wide, Course South and ascend.
40.00	Set temporary 1/4 sec. cor.
70.00	Top of hill bears N. & S. and descend.
80.21	Intersect E. B. of Tp. 17 lks. South of cor. to secs. 6-7-1-12 which is a mound and pits with post in S. E. pit from which corner, I run S. 89° 53' W. on a true line, between sections 1-12 Variation 15° ~~45~~ 20' East.
40.11	Set a sand stone 12 x 11 x 9 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.21	The corner to sections 1-2-11-12
	Land hilly
	Soil 2d. 3d. rate
	Vegetation. Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 15° 20' East.
	Nearly level land.
39.00	Descend.
40.00	Set temporary 1/4 sec. cor.
41.00	Cross Gulch, 40 lks. wide, Course East and ascend.
80.19	Intersect N. B. of Tp. 20 lks. West of cor. to secs. 1-2-35-36 from which corner I run S. 9' W. on a true line, between sections 1-2. Variation 15° 20' East.
40.19	Set a sand stone 16 x 12 x 11 ins., 10 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
80.19	The corner to sections 1-2-11-12. Land rolling Soil 2d. & 3d. rate Vegetation Bunchgrass. Mar. 20th 1882

Township 39 N. Range 53 W.

6th Principal Meridian.

From the corner to Sections, ~~3-2~~-34-35 which is a post no earth mound and pits I run

Chains	North, between Sections 34 and 35. Variation 15° 30' East.
	Ascend.
3.80	Top of Ridge, bears E. & W. and descend.
35.75	Cross Gulch, 30 lks. wide, Course S. W. and ascend.
40.00	Set a sand stone 16 x 14 x 9 ins., 10 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
53.00	Top of Ridge, bears E. & W. and descend.
57.50	Cross Gulch, 50 lks. wide, Course S. W. and ascend.
73.00	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 35 x 15 x 14 ins. 27 ins. in the ground for Cor. to Secs. 26-27-34-35 marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable. Land mountainous. Soil 3d. rate Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

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

Variation 15° 35' East.

Chains	
	Ascend.
11.00	Top of Ridge, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
41.00	Cross Gulch, 30 lks. wide, course North and ascend.
60.00	Top of Ridge, bears N. & S. and descend.
79.69	Intersect N. & S. line, 21 lks. South of cor. to secs. 25-26-35-36 from which cor. I run S. 89° 51' W. on a true line between sections 26-35. Declination 15° 44' East.
39.85	Set a sand stone 14 x 10 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.69	This corner to sections 26-27-34-35.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

North, between Sections 26 and 27.

Variation 15° 35' East.

Chains	
	Descend.
40.00	Set a sand stone 14 x 11 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base
49.00	Cross Gulch, 30 lks. wide, course S. E. and ascend.
76.00	Top of Ridge, bears S. E. & N. W. and descend.
80.00	Set a sand stone 30 x 16 x 14 ins. 21 ins. in the ground for cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches on E. edge and raised a mound of stone. Pits impracticable in Gulch, 20 lks. wide, course S. E.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 50' East.
	Ascend.
11.00	Top of Ridge, bears N. & S. and descend.
26.00	Cross Gulch, 20 lks. wide, Course South.
30.00	Enter level land
40.00	Set temporary 1/4 sec. cor.
79.86	Intersect N. & S. line, 24 lks. North of cor. to secs. 23-24-25-26 from which corner, I run N. 89° 50' W. on a true line between sections 23-26. Variation 15° ~~30'~~ 50' East.
39.93	Set a sand stone 16x14x11 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.86	The corner to sections 22-23-26-27.
	Land mountainous 30 Chs., Balance level.
	Soil 2 d. & 3 d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 50' East.
	Ascend.
18.00	Top of Ridge, bears N. 60° W. & S. 60° E. and descend.
31.00	Cross Road, bears, N. 60° W. & S. 60° E.
37.00	Cross Gulch, 60 lks. wide, Course S. E. and ascend.
40.00	Set a sand stone 20x16x14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
60.00	Top of Ridge, bears E. & W. and descend.
63.00	Enter Flat bears E. & W.
80.00	Set a sand stone 19x14x6 ins. 15 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with 3 notches on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable.
	Land mountainous.
	Soil 3 d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 40' East.
	Over level land.
15.85	Cross Road, bears S. 60° W. & N. 60° E.
37.00	Descend.
40.00	Set temporary 1/4 sec. cor. in low Sag and ascend.
59.00	Top of Ridge, bears S. 30° E. & N. 30° W. and descend
73.00	Cross low Sag and ascend.
79.64	Intersect N. & S. line, 30 lks. North of cor. to secs. 13-14-23-24 from which corner, I sight N. 89° 47' W. on a true line between Secs. 14-23 Variation 15° 40' East.
39.62	Set a sand stone 16 x 14 x 9 ins., 10 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
79.64	The corner to sections 14-13-22-23.
	Sand mountainous 42.64 chs.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° 40' East.
	Over level land.
30.00	Ascend.
40.00	Set a sand stone 20 x 16 x 14 ins., 18 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, drug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
70.00	Top of Ridge, bears E. & W. and descend.
79.00	Cross Gully, 30 lks. wide, course West and ascend.
80.00	Set a sand stone 19 x 14 x 12 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. edge, drug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Sand mountainous 50.00 chs.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

East, on a random line between Sections 11 and 14.
Variation 13° 37' East.

Chains	
	Ascend.
30.00	Top of Ridge, bears N. & S. and descend.
36.00	Cross Gulch, 30 lks. wide, course South and ascend.
40.00	Set temporary 1/4 sec. cor.
51.00	Cross Road, bears, N. & S.
55.00	Top of Ridge, bears N. & S. and descend.
79.61	Intersect S. & S. line, 21 lks. South 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 13° 37' East.
39.81	Set a sand stone 20 x 16 x 14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.61	The corner to sections 10-11-14-15
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

North, between Sections 10 and 11.
Variation 13° 50' East.

Chains	
	Ascend.
30.00	Top of Ridge, bears E. & W. and descend.
36.00	Cross low Sag and ascend.
40.00	Set a sand stone 16 x 14 x 11 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
46.00	Top of Ridge, bears E. & W. and descend.
56.50	Cross low Sag and ascend.
67.00	Top of Ridge, bears E. & W. and descend.
71.00	Cross low Sag and ascend.
80.00	Set a sand stone 30 x 14 x 11 ins. 21 ins. in the ground for Cor. to Secs. 2-3-10-11 marked with 5 notches on S. and 2 notches on E. edges, and raised a mound of stone. Pits impracticable.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 13° 35' East.
	Ascend.
40.00	Set temporary ¼ Sec. cor.
79.73	Intersect N. & S. line, 14 lks. North of cor. to secs. 1-2-11-12 from which corner, I run N. 89° 54' W. on a true line between secs. 2-11 Variation 13° 35' East.
39.87	Set a sand stone 20 x 16 x 14 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, hung bits, 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.
79.73	The corner to sections 2-3-10-11
	Land rolling
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	North, on a random line between Sections 2 and 3. Variation 13° 35' East.
	Ascend.
35.00	Top of Ridge, course E. & W. and descend
40.00	Set temporary ¼ sec. cor.
	in Gulch, 30 lks. wide, course South and ascend
79.77	Intersect N. B. of Tp. 14 lks. West of cor. to secs. 2-3-34-35 from which corner, I run S. 6 W. on a true line between sections 2-3. Variation 13° 35' East
39.77	Set a sand stone 18 x 16 x 12 ins., 12 ins in the ground, for ¼ Sec Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
79.77	The corner to sections 2-3-10-11
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my estimate compass to day, particularly the latitude and reversing apparatus, and found them correct.
	Mar. 21st 1882

Township 29 N. Range 53 W.

6th Principal Meridian.

From the corner to sections ~~27~~ 33-34, which is a post and sand stone in earth mound & pits, I run

North, between Sections 33 and 34.

Variation 15° 30' East.

Chains	
	Ascend.
7.00	Top of hill bears E. & W. and descend.
17.00	Cross Gulch, 20 lks. wide, Course S. 50° E. and ascend.
40.00	Set a sand stone 10 x 8 x 6 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
55.00	Top of hill bears E. & W. and descend.
60.50	Cross Gulch, 30 lks. wide, Course N. 50° W. and ascend.
63.00	Top of Spur, bears E. & W. and descend.
70.00	Cross Gulch, 20 lks. wide, Course S. 50° W. and ascend.
80.00	Set a sand stone 14 x 12 x 10 ins. 10 ins. in the ground for Cor. to Secs. 27-28-33-34 marked with 1 notch on S. and 3 notches on E. edges. and raised a mound of stone. Pits impracticable. Land mountainous. Soil 3d. rate. Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

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

Variation 15° 28' East.

Chains	
	Ascend.
21.36	Cross Road, bears N. & S.
36.00	Top of hill, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
53.00	Cross Gulch, 30 lks. wide, Course North and ascend.
60.00	Top of hill bears N. & S. and descend.
79.89	Intersect N. & S. line, 16 lks. North 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° 35' East.
39.95	Set a sand stone 9 x 6 x 4 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable
79.89	The corner to sections 27-28-33-34. Land hilly. Soil 2d & 3d. rate. Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 27 and 28. Variation 15°28' East.
	Ascend.
1.50	Top of hill bears S.W. & N.E. and descend.
13.00	Cross Gulch, 18 lks. wide, bears S.20°W. and ascend.
20.00	Over level land.
40.00	Set a sand stone 11x9x6 ins., 8 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, dug pits 18x18x12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base
80.00	Set a sand stone 16x9x4 ins. 10 ins. in the ground for cor. to Secs. 21-22-27-28 marked with 2 scr. lines on S. and 3 scr. lines on E. edges, dug pits 18x18x12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 2½ ft. base.
	Land hilly and level.
	Soil 2d & 3d rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 22 and 27. Variation 16°15' East.
	Over level land.
40.00	Set temporary 1/4 sec. cor.
59.40	Cross Road, bears N.20°E. & S.20°W.
79.68	Intersect N. & S. line, 35 lks. south of cor. to secs. 22-23-26-27 from which corner bears S.89°45' W. on a true line between sections 22-27. Variation 15°50' East.
89.84	Set a sand stone 16x11x4 ins., 10 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, dug pits, 18x18x12 ins. N. & S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.68	The corner to sections 21-22-27-28.
	Land level.
	Soil 2d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal. Meridian.

Chains	North, between Sections 21 and 22. Variation 16° 15' East.
	Over level land
40.00	Set a sand stone 9 x 8 x 6 ins. 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base on N. side of road, 100 lks. wide. Course S. 86° E.
80.00	Set a sand stone 12 x 9 x 8 ins. 8 ins. in the ground for Cor. to Sec. 15-16-21-22 marked with 3 notches on S. and 3 notches on E. edge, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land level.
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal. Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 16° 27' East.
	Over level land
40.00	Set temporary 1/4 sec. cor.
60.00	Cross Gulch, 20 lks. wide, Course S. 20° E. and ascend.
79.89	Intersect N. & S. line, 17 lks. South of cor. to secs. 14-15-22-23. from which cor. Pine S. 89° 53' W. on a true line between sections 15-22. Variation 15° ~~40~~ 29' East.
37.89	Set a sand stone 11 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.79	The corner to sections 15-16-21-22
	Land rolling.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 15° 27′ East.
14.00	Begin ascending gradually
37.50	Top of hill bears N. W. and S. E. and descend.
40.00	Set a sand stone 9 x 7 x 6 ins., 6 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
	In Gulch, 10 lks. wide, bears S. E. and ascend.
70.00	Top of hill bears N. W. & S. E. and descend.
80.00	Set a sand stone 16 x 12 x 8 ins. 11 ins. in the ground for cor. to Secs. 9-10-15-16 marked with 4 notches on S. and 3 notches on E. edge, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land hilly
	Soil 2d & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15. Variation 15° 55′ East.
	Descend.
18.00	Cross Gulch, 50 lks. wide, bears S. 20° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
46.00	Top of hill bears N. & S. and descend.
76.00	Cross low Sag and ascend.
79.81	Intersect N. & S. line, 28 lks. South of cor. to secs. 10-11-14-15 from which corner, I run S. 89° 48′ W. on a true line between Secs. 10-15. Variation 15° 55′ East.
39.91	Set a sand stone 11 x 8 x 6 ins., 6 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
79.81	The corner to sections 9-10-15-16.
	Land hilly
	Soil 2d & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian,

Chains	North, between Sections 9 and 10. Variation 13° 55' East.
	Ascend
3.00	Cross low Sag and ascend.
6.50	Top of hill bears N. W. & S. E. and descend.
27.37	Cross Gulch, 30 lks. wide, course S. E. and ascend.
40.00	Set a sand stone 7x5x6 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
71.00	Top of hill bears E. & W. and descend.
77.00	Cross Gulch, 30 lks. wide, course S. 85° E. and ascend.
80.00	Set a sand stone 14x10x8 ins. 10 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 18x18x12 ins, in each Sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land hilly
	Soil 2d & 3d rate
	Vegetation Bunchgrass.

Chains	East, on a random line between Sections 3 and 10. Variation 13° 30' East.
	Ascend
31.00	Top of hill bears N. & S. and descend
38.40	Cross Gulch, 20 lks. wide, course South and ascend
40.00	Set temporary 1/4 sec. cor. on Top of hill bears N. & S. and descend.
47.10	Cross Gulch, 30 lks. wide, course S. 38° W. and ascend.
56.00	Top of hill bears S. 30° W. & N. 30° E. and descend.
79.90	Intersect N. & S. line, 31 lks. North of cor. to secs. 2-3-10-11 from vehicle corner, S. line N. 89° 47' W. on a true line between Secs. 3-10. Variation 13° 35' East.
39.95	Set a sand stone 11x10x6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins, N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.90	Pile corner to sections 3-4-9-10.
	Land hilly
	Soil 2d & 3d rate
	Vegetation Bunchgrass.
	Mar. 22nd 1882

Township 29 N. Range 53 W.

6th Principal. Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 15° 30' East.
	Ascend.
40.00	Set temporary 1/4 sec. cor.
79.82	Intersect N. B. of Tp. 24 lks. East of cor. to secs. 3-4-33-34 from which corner, I run S. 10' E. on a true line, between Secs. 3-4 Variation 15° 35' East.
39.82	Set a sand stone 11 x 9 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.82	The corner to sections 3-4-9-10.
	Land hilly.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

From the corner to sections 4-5-32-33 which is a post in earth mound and pits I run.

Chains	North, between Sections 32 and 33. Variation 15° 27' East.
	Ascend.
17.00	Top of Ridge, bears E. & W. and descend.
20.00	Cross low Sag and ascend.
28.00	Top of hill bears E. & W. and descend.
40.00	Set a sand stone 20 x 16 x 14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
	in Gulch, 10 lks. wide, Course West. and ascend.
60.00	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 20 x 16 x 14 ins. 15 ins. in the ground for Cor. to secs. 28-29-32-33. marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base
	Land mountainous.
	Soil 3d. rate
	Vegetation

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 30' East.
	Descend.
10.00	Cross low Sag. and ascend.
20.00	Top of Ridge, bears N. & S. and descend
29.00	Cross low Sag and ascend.
38.00	Top of Ridge, bears N.W. & S.E. and descend.
40.00	Set temporary 1/4 sec. cor. in low Sag and ascend.
77.84	Intersect N. & S. line, 7 lks. West of cor. to sec. 27-28-33-34 from which corner, Pecan N. 89° 57' W. on a true line between sections 28-33.
	Variation 15° 30' East.
39.92	Set a sand stone 18 x 18 x 5 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base
77.84	The corner to Sections 28-29-32-33.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	North, between Sections 28 and 29. Variation 15° 30' East.
	Descend.
32.75	Cross Gulch, 30 lks. wide, bears S.E. and ascend.
40.00	Set a stand stone 14 x 9 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
57.00	Top of Ridge, bears S. 40° E. & N. 40° W. and descend
77.00	Butte Point bears E. & W.
80.00	Set a sand stone 20 x 18 x 16 ins. 15 ins. in the ground for Cor. to Sec. 20-21-28-29 marked with 2 notches on S. and 4 notches on E. edges, dug pits. 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base
	Land rolling.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 16° 15' East.
	Over level land
40.00	Set temporary 1/4 sec. cor.
79.91	Intersect N. & S. line 21 lks. South of cor. to secs. 21-22-27-28 from which corner, I run S. 89° 51' W. on a true line between sections 21-28. Variation 16° 15' East
39.96	Set a sand stone 20x16x14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.91	The corner to sections 20-21-28-29.
	Land level.
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 20 and 21. Variation 16° 15' East.
	Over level land.
40.00	Set a sand stone 23x20x4 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
50.00	Ascend.
70.00	Top of Bridge, bears E. & W. and descend.
80.00	Set a sand stone 20x14x14 ins. 15 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 18x18x12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land level and mountainous _ 30.00 Chs.
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15° 05' East.
	Descend.
25.00	Cross Gulch 100 lks. wide, Course S. E. and ascend.
40.00	Set temporary 1/4 sec. cor.
79.73	Intersect N. & S. line, 14 lks. North of cor. to secs. 15-16-21-22 from which corner, I run N. 89° 54' W. on a true line between sections 16-21 Variation 15° 05' East.
39.87	Set a sand stone 14 x 14 x 10 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., W. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.73	The corner to sections 16-17-20-21
	Land rolling.
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15° 05' East.
8.80	Cross Gulch, 30 lks. wide, Course S. E. and ascend.
40.00	Set a sand stone 10 x 9 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
80.00	Set a sand stone 20 x 14 x 6 ins. 13 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 2 1/2 ft. base.
	Land rolling.
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16. Variation 16° 20' East.
	Ascend.
40.00	Set temporary ¼ sec. cor.
60.00	Top of hill bears N. & S. and descend.
79.93	Intersect N. & S. line, 8 lks. North of cor. to secs 9-10-15-16 from which corner, I run N. 89° 57' W. on a true line between sections 9-16. Variation 15° 55' East.
39.97	Set a sand stone 16x14x11 ins., 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ on N. face, dug pits, 18x18x12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.93	The corner to sections 8-9-16-17.
	Land hilly
	Soil 2d-3d rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 8 and 9. Variation 16° 20' East.
	Ascend.
40.00	Set a sand stone 14x10x8 ins., 10 ins in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18x18x12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a sand stone 12x9x6 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 18x18x12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base
	Land rolling
	Soil 2d-3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 16° East.
	Ascend.
3.00	Top of Ridge, bears N. 30° W. & S. 30° E. and descend.
40.00	Set temporary 1/4 Sec. cor.
76.00	Cross creek. 50 lks. wide, bears S. 30° E. and ascend.
79.84	Intersect N. & S. line, 19 lks. North of cor. to secs. 3-4-9-10 from which corner, I run N. 89° 52' W. on a true line between sections 4-9.
	Variation 16° 4° East.
39.92	Set a sand stone 15 x 11 x 9 ins., 10 ins. in the ground, for 1/4 Sec. cor., marked 4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.84	The corner to sections 4-5-8-9.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my solar compass to day, particularly the latitude and reversing apparatus, and found them correct.
	Mar. 28th 1882

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 16° East.
	Ascend.
6.00	Top of Ridge, bears N. 35° W. & S. 35° E. and descend.
34.20	Cross Gulch, 10 lks. wide, bears S. 37° E. and ascend
40.00	Set temporary 1/4 sec. cor.
80.12	Intersect N. B. of Tp. 14 lks. East of cor. to secs. 4-5-32-33 from which corner, I run S. 6' E. on a true line, between sections 4-5.
	Variation 16° 20' East.
40.12	Set a sand stone 11 x 9 x 8 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.12	The corner to sections 4-5-33.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W. 6th Principal Meridian.

From the corner to sections ~~5-6~~ 31-32 which is a post in earth mound and pits I run

North, between Sections 31 and 32.

Variation 15° 30' East.

Chains	
	Descend.
13.80	Cross Gulch, 20 lks. wide, Course S. 15° E. and ascend.
33.00	Top of hill bears S. 15° E. & N. 15° W. and descend.
40.00	Set a sand stone 9 x 8 x 7 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
50.00	Cross low Sag and ascend.
61.00	Top of Spur, bears E. & W. and descend.
76.12	Cross Gulch 20 lks. wide, Course W. and ascend.
80.00	Set a sand stone 12 x 9 x 6 ins. 8 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. on Top of Spur, bears. E. & W.
	Land hilly
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W. 6th Principal Meridian.

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

Variation 15° 45' East.

Chains	
	Ascend.
9.82	Cross Road bears, N. 5° W. & S. 5° E.
15.00	Top of hill bears N. & S. and descend.
20.80	Cross Gulch, 30 lks. wide, Course South and ascend.
21.00	Top of hill bears N. & S. and descend.
25.10	Cross Gulch, 15 lks. wide, Course South and ascend.
40.00	Set temporary 1/4 sec. cor.
79.61	Intersect N. & S. line, 30 lks. South of cor. to secs. 28-29-32-33 from which corner, I run S. 89° 47' W. on a true line between sections 29-32.
	Variation 15° ~~30'~~ 45' East.
39.81	Set a sand stone 36 x 24 x 8 ins., 27 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.61	The corner to sections 29-30-31-32.
	Land hilly
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W. 5th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 45' East.
	Descend.
2.37	Cross Gulch, 7 lks. wide, course South and ascend.
8.00	Top of Ridge, base N. & S. and descend.
13.54	Cross Gulch, 10 lks. wide, course South and ascend.
16.00	Top of Spur, base N. & S. and descend.
21.40	Cross Gulch, 20 lks. wide, course S. 20° E. and ascend.
30.00	Top of Ridge, base N. W. & S. E. and descend.
37.50	Cross Gulch, 30 lks. wide, course S. 30° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
79.76	Intersect N. B. of Tp. 30 lks. South of cor. to secs. 30-31-25-36 from which corner I run S. 89° 58' E. on a true line, between sections 30-31. Variation 15° East.
39.76	Set a sand stone 12 x 10 x 2 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
79.76	The corner to sections 29-30-31-32.
	Sand mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W. 5th Principal Meridian.

Chains	North, between Sections 29 and 30. Variation 15° 45' East.
	Descend.
8.70	Cross Gulch, 20 lks. wide, course S. 80° W. and ascend.
18.00	Top of Ridge, base N. 15° W. & S. 15° E. and descend.
20.77	Cross Road, bearing N. 20° W. & S. 20° E.
28.70	Cross Gulch, 30 lks. wide, course S. 70° E. and ascend.
30.00	Top of hill bears E. & W. and descend.
39.10	Cross Gulch, 15 lks. wide, course S. 30° E. and ascend.
40.00	Set a sand stone 13 x 14 x 9 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable in dry wash, 50 lks. wide, course East.
79.00	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 11 x 9 x 6 ins. 8 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 2/3 ft. dist., and raised a mound of earth 2 ft. high 2 1/2 ft. base.
	Sand mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

East, on a random line between Sections 20 and 29.
Variation 16° 15' East.

Chains	
	Descend.
2.00	Cross low Sag and ascend.
7.00	Top of hill bears N. & S. and descend.
11.34	Cross Gulch, 7 lks. wide, course S. 10° E. and ascend.
22.00	Top of hill bears N. W. & S. E. and descend.
40.00	Set temporary ¼ sec. cor.
79.75	Intersect N. & S. line, 12 lks. South of cor. to secs. 20-21-28-29 from which corner, I run S. 89° 55' W. on a true line between sections 20-29. Variation 16° 15' East.
39.88	Set a sand stone 14 x 10 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.75	The corner to sections 19-20-29-30.
	Sand hills
	Soil 2d & 3d rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

West, on a random line between Sections 19 and 30.
Variation 16° 15' East.

Chains	
	Ascend.
3.50	Top of hill bears N. 80° W. & S. 80° E. and descend
18.12	Cross Gulch, 20 lks. wide, course S. 80° E. and ascend
21.50	Cross Road, bears N. & S.
29.00	Top of hill bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
79.81	Intersect W. B. of R. 25 lks. North of cor. to secs. 24-25-19-30 from which corner I run N. 89° 49' E. on a true line between sections 19-30 Variation 15° 25' East.
39.81	Set a sand stone 14 x 10 x 8 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
79.81	The corner to sections 19-20-29-30.
	Sand hills
	Soil 2d & 3d rate
	Vegetation Bunchgrass.

Township 29 N. Range 58 W.
6th Principal Meridian.

North, between Sections 19 and 20.

Variation 16° 10' East.

Chains	
	Descend
25.00	Edge of flat brace N. & S. W.
29.75	Cross Road, brace N. 50° E. & S. 50° W.
40.00	Set a sand stone 14 x 11 x 9 ins., 10 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.00	Set a sand stone 11 x 9 x 4 ins. 8 ins. in the ground for cor. to Secs. 17-18-19-20 marked with 3 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist, and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land rolling
	Soil 2d-3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 58 W.
6th Principal Meridian.

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

Variation 15° 27' East.

Chains	
	Over level land
40.00	Set temporary 1/4 cor. cor. in Road, bearing N. 10° E. & S. 10° W.
79.59	Intersect N. & S. line, 3 1/4 lks. North of cor. to cors. 16-17-20-21 from which corner, I run N. 89° 45' W. on a true line between sections 17-20
	Variation 16° 5' East
89.79	Set a sand stone 9 x 8 x 4 ins., 6 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins N. and S. of stone 5 1/2 ft. dist, and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base.
79.59	The corner to sections 17-18-19-20
	Land level.
	Soil 2d. rate
	Vegetation Bunchgrass.
	Nov. 24th 1882

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19, Variation 16° 27' East.
	Over level land
27.00	Ascend
40.00	Set temporary ¼ sec. cor.
71.00	Top of hill bears N. & S. and descend.
79.68	Intersect W. B. of Tp. 21 lks. South of cor. to secs. 18-17-13-24, from which corner, I run S. 89° 37' E. on a true line, between sections 18-19. Variation 16° East.
39.68	Set a sand stone 14 x 10 x 3 ins., 10 ins. in the ground, for ¼ Sec. cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., 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 17-18-19-20
	Sand hilly
	Soil 2d. 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 16° 27' East.
	Over level land
32.00	Descend.
35.70	Cross creek 30 lks. wide, course East. and ascend.
40.00	Set a sand stone 14 x 10 x 6 ins., 10 ins. in the ground, for ¼ Sec. cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
70.00	Top of hill bears N. 80° W. & S. 80° E. and descend.
80.00	Set a sand stone 14 x 8 x 3 ins. 10 ins. in the ground for cor. to Secs. 7-8-17-18 marked 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.
	Sand rolling
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass

Township 29 N. Range 53 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 13° 40' East.
	Descend.
19.07	Cross Gulch, 6 lks. wide, course S. 35° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
54.80	Cross Road, bears N. 10° W. and S. 10° E.
79.70	Intersect N. & S. line 25 lks. South of cor. to secs. 8-9-16-17 from which corner, I run S. 89° 49' W. on a true line between sections 8-17. Variation 16° 20' East.
39.86	Set a sand stone 14 x 10 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dig pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.70	The corner to sections 7-8-17-18
	Land rolling
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W. 6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 13° 40' East.
	Ascend.
32.50	Top of hill bears N. 20° E. & S. 20° W. and descend.
40.00	Set temporary 1/4 sec. cor.
	in low Sag and ascend.
56.50	Top of hill bears N. & S. and descend.
79.74	Intersect W. B. of Tp. 30 lks. South of cor. to secs. 12-13-7-18 from which corner, I run S. 89° 47' E. on a true line between sections 7-18. Variation 16° 30' East.
39.74	Set a sand stone 11 x 8 x 4 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dig pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.74	The corner to sections 7-8-17-18
	Land hilly
	Soil 2d & 3d rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

North, between Sections 7 and 8

Variation 15° 40′ East.

Chains	
	Descend.
18.30	Cross Gulch, 20 lks. wide, course East and ascend.
22.00	Top of hill bears N. 30° W. & S. 30° E. and descend.
30.00	Cross Gulch, 12 lks. wide, course S. E. and ascend
40.00	Set a sand stone 14 x 10 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. diet, and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base.
41.00	Enter Petat bears N. W. and S. E.
80.00	Set a sand stone 10 x 8 x 6 ins. 6 ins. in the ground for Cor. to Sec. 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., 5 1/2 ft. diet, and raised a mound of earth 2 ft. high & 1 1/2 ft. base
	Sand hills
	Soil 2d & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
6th Principal Meridian.

East, on a random line between Sections 5 and 8.

Variation 15° 50′ East.

Chains	
	Over level land.
40.00	Set temporary 1/4 sec. cor.
46.80	Cross Road, bears N. 15° W. & S. 80° W.
53.00	Leave Petat bears N. & S. and ascend.
79.81	Intersect N. & S. line, 33 lks. South of cor. to sec. 4-5=8-9. from which corner, I find S. 89° 40′ W. on true line between sections 5-8
	Variation 16° East.
39.91	Set a sand stone 18 x 11 x 6 ins., 12 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. diet, and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base
79.81	The corner to sections 5-6-7-8
	Land level
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

West, on a random line between Sections 6 and 7.
Variation 15° 50' East.

Chains	
	Over level land
28.40	Cross Gulch, 30 lks. wide, course South
30.00	Leave Flat bearing N. & S. and ascend.
35.50	Top of Spur, bearing N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
43.00	Cross Gulch, 30 lks. wide, course S. 70° E. and ascend.
80.23	Intersect N. B. of Tp. 23 lks. South of cor. to secs. 6-7-1-12 from which corner, I run S. 89° 50' E. on a true line, between sections 6-7 Variation 16° 30' East
40.23	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 3 1/2 ft. distant, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.23	The corner to sections 5-6-7-8
	Land level and mountainous – 50.23 chs.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 53 W.
5th Principal Meridian.

North, on a random line between Sections 5 and 6.
Variation 15° 50' East.

Chains	
	Over level land
38.50	Leave Flat bearing E. & W. and descend.
39.65	Cross Gulch, 13 lks. wide, course West and ascend
40.00	Set temporary 1/4 sec. cor.
80.21	Intersect N. B. of Tp. 37 lks. East of cor. to secs. 5-6-31-32 from which corner, I run S. 16' E. on a true line, between sections 5-6. Variation 15° 30' East
40.21	Set a sand stone 14 x 18 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. distant, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.21	The corner to sections 5-6-7-8.
	Land rolling.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my solar compass to day, particularly the latitude and morning apparatus and found them correct. Mar. 26th 1881

GENERAL DESCRIPTION.

The land in this Township is generally mountainous although some portions of it are level. The soil is 2d. and 3d. rate, the vegetation consists of Bunchgrass.
The land is well adapted to grazing purposes.

U. S. Surveyor-General's Office.

Plattsmouth Neb.

August 31st 1882

The foregoing Field Notes of the surveys of Subdivision lines of Tp. No. 29 N. R. 53 W. of Principal Base &c

Meridian

in the state of Nebraska executed by

M. F. Reilly

U. S. Deputy Surveyor, under his contract dated

in the September 22nd 1882

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

Geo. S. Smith

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

60
10
51

M. F. Reilly. Deputy Surveyor.

T. 30 N. R. 53 W.

6th Principal. Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 30 N. Range 53 W.

6th Principal Meridian.

BY

M. F. Reilly. Deputy Surveyor.

Under his Contract of Sept. 22nd 1881.

Survey Commenced Nov. 22nd 1881.

Survey Completed Nov. 28th 1881.

Platted,
Copied for Washington,
Copied for Register,

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

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

..... Meridian.

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

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

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

..... Meridian.

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

..... Meridian.

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

..... Meridian.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by W. & L. E. Gurley of Troy N. Y. in 1881.

Township 30 N. Range 53 W.

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° 40' East.
	Ascend.
40.00	Set a sand stone 14 x 8 x 12 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
50.00	Top of Ridge, bears E. & W. and descend.
72.20	Cross Gulch, 10 lks. wide, Course W. 20° N. and ascend.
80.00	Set a sand stone 14 x 12 x 9 ins. 10 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with 1 notch on S. and 1 notch on E. edge, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2½ ft. high, 4½ ft. base.
	Land mountainous.
	Soil 1st. & 2d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 15° 30' East.
	Ascend.
3.50	Top of hill bears W. 20° N. & S. 20° E. descend
9.50	Enter Pine timber bears W. & S.
10.40	Cross Gulch, 10 lks. wide, Course North descend
16.00	Leave timber bears W. & S.
37.00	Top of hill bears W. & S. and descend.
39.40	Cross Road, bears W. 30° E. & S. 30° W.
40.00	Set temporary 1/4 sec. cor.
80.13	Intersect E. B. of Tp. 20 lks. North of cor. to secs. 30-31-25-36 from which corner, Run W. 89° 57' W. on a true line, between sections 25-36.
	Variation ~~15°~~ 15° 30' East.
40.07	Set a sand stone 16 x 14 x 12 ins., 16 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., W. and E. of stone 5½ ft. dist., and raised a mound of earth 2½ ft. high, 3½ ft. base.
80.13	The corner to sections 25-26-35-36.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 30 S. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 15° 30' East.
	Ascend.
2.50	Top of hill bears W. & E. and descend.
14.00	Enter timber bears W. & E.
15.30	Cross Gulch, 30 lks. wide, Course N. 75° W. and ascend.
21.00	Leave timber bears E. & W.
25.50	Top of hill bears E. & W. and descend.
27.50	Enter timber bears W. & E.
39.00	Cross Gulch, 50 lks. wide, Course N. 50° W. and ascend.
40.00	A Pine Cor. dia., which I marked 1/4 S. on W. face, for 1/4 Sec. Cor., dug pits 18 x 18 x 12 ins. E. & W. of tree, 5 1/2 ft. dist. and raised a mound of earth around tree.
	from which
	A Pine 14 in. dia. bears N. 10° E. 30 lks. dist. marked 1/4 S. P. T.
40.50	Leave ~~timber~~ pines bears E. & W. on top of hill.
50.00	Enter timber bears E. & W.
50.42	Pine 30 in. dia.
57.10	Cross Gulch, 30 lks. wide, Course West and ascend.
57.00	Leave timber bears E. & W.
65.50	Top of hill bears E. & W. and descend.
75.50	Cross Gulch, 30 lks. wide, Course West and ascend.
80.00	Set a sand stone 20 x 16 x 14 ins. 15 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. on
	Top of Ridge bears W. & E.
	Soil 3d. rate. Land mountainous.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 S. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 30' East.
	Descend.
7.00	Cross Gulch, 20 lks. wide, Course N. 20° W. and ascend.
40.00	Set temporary 1/4 sec. cor.
53.00	Top of hill bears W. & E. and descend.
60.00	Cross Road, bears N. 20° E. & S. 20° W.
79.79	Intersect E. S. of T. 14 lks. South of cor. to secs. 24-25-19-30 from which corner, I run S. 89° 54' W. on a true line, between sections 24 25.
	Variation 15° ~~45'~~ 30' East.
39.89	Set a sand stone 16 x 14 x 21 ins. 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stones. Pits impracticable.
79.79	The corner to sections 23-24-25-26.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th. Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 15° 50' East.
	Descend.
3.50	Cross Gulch, 10 lks. wide, Course West and ascend.
20.00	Top of hill bears E. & W. and descend.
39.00	Cross Gulch, 30 lks. wide, Course West and ascend.
40.00	Set a sand stone 14 x 10 x 4 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 5½ ft. base.
	from which
	A Pine 12 in. dia. bears S. 70° E. 48 lks. dist. marked 1 S. B. T.
43.00	A Pine 8 in. dia.
76.00	Top of hill bears E. & W. and descend.
80.00	Set a sand stone 16 x 9 x 5 ins., 10 ins. in the ground for Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch on E. edge, 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 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th. Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 16° 10' East.
	Descend
39.00	Cross Gulch, 100 lks. wide, Course W. 20° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
60.00	Top of hill bears W. 7 ft. and descend.
67.50	Cross Road, bears W. 20° E. 7 ft. 20° W.
79.91	Intersect E. B. of Tp. 21 lks. South of cor. to Secs. 18-19-13-24 from which course, run S. 39° 51' W. in a true line, between sections 13-24.
	Variation ~~15° 24'~~ 16° 10' East.
39.96	Set a sand stone 20 x 14 x 12 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
79.91	The corner to sections 13-14-23-24.
	Land hilly.
	Soil 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 13 and 14. Variation 16° 10' East.
	Descend.
5.00	Cross low Sag and ascend.
39.00	Top of Spur, bears N.W. & S.E. and descend.
40.00	Set a sand stone 14 x 9 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1/2 ft. high, 3 1/2 ft. base.
40.38	Cross Gulch, 20 lks. wide, Course N. 80° W. and ascend.
52.00	Top of Spur, bears N. 80° W. & S. 80° E. and descend.
61.48	Cross Gulch, 15 lks. wide, Course N. 60° E. and ascend.
66.50	Top of Ridge, bears N.W. & S.E. and descend.
70.87	A Pine 18 in. dia.
80.00	Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to secs. 11-12-13-14 marked T. 30 N. S. 12 on N.E., R. 53 W. S. 13 on S.E., S. 14 on S.W. and S. 11 on N.W. faces with 4 notches on S. and 1 notch on E. edges, from which
	A Pine 8 in. dia. bears S. 87° E. 30 lks. dist. marked T. 30 N. R. 53 W. S. 13 B.T.
	A Pine 12 in. dia. bears N. 71° W. 74 lks. dist. marked T. 30 N. 53 W. S. 11 B.T.
	A Pine 13 in. dia. bears S. 60° W. 100 lks. dist. marked T. 30 N. R. 53 W. S. 14 B.T.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Juniper.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 15° 30' East.
	Descend.
1.30	Cross Gulch, 30 lks. wide, Course N. 45° W. and ascend.
21.00	Top of hill bears N.W. & S.E. and descend.
40.00	Set temporary 1/4 sec. cor. in Gulch, 20 lks. wide, Course N. 15° W. and ascend.
64.00	Top of hill bears N.W. & S.E. and descend.
71.00	Cross Gulch, 20 lks. wide, Course N. 30° W. and ascend.
80.25	Intersect E. B. of Tp. 31 lks. North of cor. to secs. 12-13-7-18 from which corner, Run N. 87° 47' W. on a true line between sections 12-13.
	Variation 15° 30' East.
40.13	Set a sand stone 14 x 9 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
80.25	The corner to sections 11-12-13-14.
	Land hilly.
	Soil 2d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 30' East.
	Descend.
1.30	Cross Gulch, 30 lks. wide, Course W. 45° W. and ascend.
6.00	Top of Spur, bears E. & W. and descend.
9.80	Cross Gulch, 15 lks. wide, Course W. 40° W. and ascend.
24.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 12 x 11 x 9 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
	in Gulch, 30 lks. wide, Course W. 25° W. ascend.
63.00	Top of Ridge, bears N. 60° E. & S. 60° W. and descend.
71.00	Cross Gulch, 30 lks. wide, Course West and ascend.
79.00	Top of Spur, 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. 1-2-11-12 marked T. 30 N. S. 1 on N.E., R. 53 W. S. 12 on S.E., S. 11 on S.W. and S. 2 on N.W. face, with 5 notches on S. and 1 notch on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land mountainous.
	Sil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 31 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 45' East.
	Descend.
4.05	Cross Gulch, 20 lks. wide, Course N. 40° E. and ascend.
14.50	Top of Ridge, bears N. & S. and descend.
40.00	Set temporary 1/4 Sec. Cor.
42.17	Cross Gulch, 15 lks. wide, Course N. 10° E. and ascend.
59.00	Top of hill bears W. E. & S. W. and descend.
72.00	Enter dense undergrowth bears W. & S.
80.04	Intersect E. B. of Tp. 15 lks. North of cor. to Secs. 6-7-1-12 from which corner, I run N. 89° 54' W. in a true line, between sections 1 - 12.
	Variation 15° 45' East.
40.02	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face; dug pits, 18 x 18 x 12 ins., W. end of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
	from which
	A Pine 6 in. dia. bears N. 40° E. 21 lks. dist. marked 1/4 S. B. T.
80.04	The corner to sections 1-2-11-12.
	Land mountainous.
	Sil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, on a random line between Sections 1 and 2. Variation 15° 45' East.
	Descend.
7.00	Cross Gulch, 10 lks. wide, Course N. 60° W. and ascend.
17.00	Top of Spur, bears E. & W. and descend.
30.00	Cross low Sag and ascend.
× 40.00	Set temporary 1/4 sec. cor.
60.00	Top of hill bears N. W. & S. E. and descend.
79.71	Intersect N. B. of Tp. 23 lks. East of cor. to secs. 1-2-35-36 from which corner, Run S. 10' E. on a true line, between sections 1-2. Variation 15° 45' East.
39.71	Set a sand stone 20 x 16 x 14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
79.71	The corner to sections 1-2-11-12. Land hilly. Soil 2d. & 3d. rate. Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, between Sections 34 and 35. Variation 15° 35' East.
	Ascend.
39.00	Top of hill bears N. W. & S. E. and descend.
40.00	Set a sand stone 15 x 12 x 4 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
63.30	Cross Canon, 15 lks. wide, Course N. 20° W. & ascend.
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. 30 N. S. 26, on N. E., R. 53 W. S. 35 on S. E., S. 34 on S. W. and S. 27 on N. W. face, with 1 notch on S. and 2 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 1/2 ft. high, 4 1/2 ft. base around post. Land hilly. Soil 2d. & 3d. rate. Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian

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

Variation 15° 50' East.

Chains	
	Descend.
7.49	Cross Canon, 3 lks. wide, Course North and ascend.
8.00	Top of hill bears W. & E. and descend.
10.40	Cross Gulch, 10 lks. wide, Course North and ascend.
28.00	Top of Ridge, bears W. 20° N. & 20° E. and descend.
33.70	Cross Canon, 10 lks. wide, Course W. 20° E. and ascend.
38.00	Top of hill bears W. 20° E. & 20° N. and descend.
40.00	Set temporary 1/4 sec. cor.
45.00	Cross Canon, 30 lks. wide, Course W. 20° N. and ascend.
56.00	Top of hill bears W. & E. and descend.
75.80	Cross Gulch, 10 lks. wide, Course W. 30° N. and ascend.
80.14	Intersect W. & E. line, 14 lks. South of cor. to secs. 25-26-35-36 from which corner bears S. 89° 54' W. on a true line between sections 26-35
40.04	Set a sand stone 16 x 14 x 12 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.14	The corner to sections 26-27-34-35.
	Land hilly.
	Soil 2d & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

North, between Sections 26 and 27.

Variation 15° 50' East.

Chains	
	Ascend.
3.50	Top of Spur, bears N. E. & S. W. and descend.
6.50	Cross Canon, 15 lks. wide, Course W. 50° E. and ascend.
17.50	Top of hill bears E. & W. and descend.
25.80	Cross Gulch, 10 lks. wide, Course W. 50° E. and ascend.
34.50	Top of hill bears N. E. & S. W. and descend.
40.00	Set a sand stone 14 x 9 x 6 ins., 5 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
69.30	Cross Gulch, 12 lks. wide, Course W. 50° N. and ascend.
80.00	Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on E. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each for 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land hilly.
	Soil 2d & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	East, on a random line between Sections 23 and 26. Variation 15° 30' East.
	Ascend.
4.50	Top of hill bears N.W. & S.E. and descend.
18.20	Cross Gulch, 10 lks. wide, Course North and ascend.
21.50	Top of hill bears N. & S. and descend.
28.50	Cross Gulch, 10 lks. wide, Course North and ascend.
37.00	Top of hill bears N. & S. and descend.
39.60	Cross Canon 23 lks. wide, Course N. 30° W. and ascend.
40.00	Set temporary 1/4 sec. cor.
48.00	Top of hill bears N.W. & S.E. and descend.
64.30	Cross Canon, 15 lks. wide, Course N. 54° W. and ascend.
80.09	Intersect N. & S. line, 37 lks. North of cor. to secs. 23-24-25-26 from which corner, Run N 89° 44' W. on a true line between sections 23-26.
	Variation 15° 30' East.
40.05	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
80.09	The corner to sections 22-23-26-27.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

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

Chains	North, between Sections 22 and 23. Variation 16° 10' East.
	Ascend.
4.00	Top of hill bears N. 50° W. & S. 50° E. and descend.
21.40	Cross Gulch, 6 lks. wide, Course West and ascend.
23.50	Top of Spur, bears E. & W. and descend.
28.10	Cross Gulch, 10 lks. wide, Course N. 53° W. and ascend. and edge of timber.
31.00	Top of Spur, bears E. & W. and descend.
37.00	Cross low Sag and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, and raised a mound of stone 1 1/2 ft. high, 3 1/2 ft. base around post. Pits impracticable. from which Pine 18 in. dia. bears N. 70° E. 28 lks. dist. marked 1/4 S. B. T.
41.00	Top of Spur, bears E. & W. and descend.
47.00	Cross low Sag and ascend.
53.00	Top of Spur, bears N.W. & S.E. and descend.
64.00	Cross Canon, 30 lks. wide, Course West and ascend.
72.00	Top of Spur, bears N. 40° E. & S. 40° W. and descend.
74.49	Cross Gulch, 6 lks. wide, Course S. 40° W. and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 14-15-22-23 marked T. 30 N. R. 14, on N.E., R. 53 W. S. 23 on S.E., S. 22 on S. W. and S. 15 on N. W. face, with 3 notches on S. and 2 notches on E. edges; and raised a mound of stone 2 ft. high 4 1/2 ft. base around post. Pits impracticable. from which Pine 12 in. dia. bears S. 55° E. 150 lks. dist. marked T. 30 N. R. 53 W. S. 26 B. T. Pine 14 in. dia. bears N. 80° E. 104 lks. dist. marked T. 30 N. R. 53 W. S. 14 B. T.
	Land mountainous.
	Soil 3rd. rate.
	Timber and undergrowth of Pine and Bunchgrass.

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

Chains	East, on a random line between Sections 14 and 23. Variation 15° 45' East.
	Ascend.
8.00	Top of hill bears N. & S. and descend.
30.00	Cross Gulch, 30 lks. wide, Course South and ascend.
35.00	Top of Spur, bears N. & S. and descend.
39.00	Cross Gulch, 30 lks. wide, Course N. 40° W. and ascend.
40.00	Set temporary 1/4 sec. cor.
43.00	Top of Spur, bears N. & S. and descend.
47.50	Cross Gulch, 30 lks. wide, Course S. 50° W. and ascend.
76.00	Top of hill bears N. & S. and descend.
79.83	Intersect N. & S. line, 16 lks. North of cor. to secs. 13-14-23-24 from which corner, I run N. 89° 53' W. on a true line between sections 14-23. Variation ~~16° 40'~~ 15° 45' East.
39.92	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, and raised a mound of stone 1 1/2 ft. high, 3 1/2 ft. base around post. Pits impracticable. from which A Pine 14 in. dia. bears S. 5° W. 23 lks. dist. marked 1/4 S. B. T. A Pine 10 in. dia. bears N. 10° E. 53 lks. dist. marked 1/4 S. B. T.
79.83	The corner to sections 14-15-22-23. Land hilly. Soil 3d. rate Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, between Sections 14 and 15. Variation 15° 45' East.
3.00	Ascend to Top of hill bears E. & W. and descend.
11.30	Cross Gulch, 100 lks. wide, Course N. 40° W. and ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
45.00	Top of hill bears N. W. & S. E. and descend.
64.60	A Pine 20 in. dia.
65.00	Cross Gulch, 20 lks. wide, Course West and ascend.
66.00	Top of Spur, bears E. & W. and descend.
66.40	Cross Gulch, 8 lks. wide, Course S. 30° W. and ascend.
80.00	Set a sand stone 26 x 12 x 6 ins. 18 ins. in the ground for Cor. to secs. 10-11-14-15 marked with 4 notches on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable from which A Pine 10 in. dia. bears N. 60° W. 17 lks. dist. marked T. 30 N. R. 53 W. S., 11 B. T. A Pine 8 in. dia. bears S. 30° E. 20 lks. dist. marked T. 30 N. R. 53 W. S., 14 B. T. Land hilly. Soil 2d. rate Timber and undergrowth of Pine and Bunchgrass.

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

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

Variation 15° 35' East.

Chains	
	Stand.
40.00	Set temporary ¼ sec. cor.
61.00	Top of hill bears N.E. & S.W. and descend.
79.75	Intersect N. & S. line, 11 lks. south of cor. to secs. 11 12 13 14 from which corner, Sun S. 89° 55' W. on a true line between sections 11-14.
	Variation 15° 35' East.
37.88	Set a sand stone 6 x 14 x 11 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of Stone. Pits impracticable.
79.75	The corner to sections 10-11-14-15.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.

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

North, between Sections 10 and 11.

Variation 15° 35' East.

Chains	
	Stand.
1.00	Top of hill bears N.W. & S.E. and descend.
5.80	Cross Gulch, 30 lks. wide, Course N. 50° W. and ascend.
18.00	Top of Spur, bears E. & W. and descend.
22.80	Cross Gulch, 30 lks. wide, Course N.W. and ascend.
26.00	Top of hill bears E. & 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.
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. 30 N. R. 53 W. S. 11 on S.E., S. 10 on S.W. and S. 3 on N.W. face, with 5 notches on S. and 2 notches on E. and gis. dug pits, 18 x 18 x 12 ins. in each for 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post. from which A Pine 20 in. dia. bears N. 80° E. 110 lks. dist. marked T. 30 N. R. 53 W. S. 2 B. T.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.

Township 30 N. Range 53 W.

6th Principal. Meridian.

Chains	East, on a random line between Sections 2 and 11.
	Variation 15° 45' East.
	Descend.
2.40	Cross Gulch, 20 lks. wide, Course N. 40° W. and ascend.
12.00	Top of hill bears N. 40° W. & S. 40° E. and descend.
40.00	Set temporary 1/4 sec. cor.
51.00	Cross Gulch, 30 lks. wide, Course North and ascend.
60.00	Top of hill bears N. & S. and descend.
80.13	Intersect N. & S. line, 24 lks. North of cor. to secs. 1-2-11-12 from which corner, Run N. 89° 50' W. on a true line between sections 2-11.
	Variation 15° 45' East.
40.07	Set a sand stone 14 x 12 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
80.13	The corner to sections 2-3-10-11. Land hilly. Soil 2d. & 3d. rate. Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 2 and 3.
	Variation 15° 45' East.
	Descend.
2.50	Cross Gulch, 20 lks. wide, Course N. 30° W. and ascend.
30.00	Top of Spur, bears N. 40° W. & S. 40° E. and descend.
40.00	Set temporary 1/4 sec. cor.
79.87	Intersect N. B. of Tp. 19 lks. East of cor. to secs. 2-3-34-35 from which corner, Run S. 8° E. on a true line, between sections 2-3.
	Variation 15° ~~30'~~ 45' East.
39.87	Set a sand stone 14 x 11 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone. Pits impracticable.
79.87	The corner to sections 2-3-10-11. Land hilly. Soil 2d. & 3d. rate. Timber and undergrowth of Pine and Bunchgrass. I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus, and found them correct. Nov. 23. 1881.

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

Chains	North, between Sections 33 and 34. Variation 15° 35' East.
	Descend.
17.40	Cross Gulch, 10 lks. wide, Course S. 50° W. & ascend.
40.00	Set a sand stone 18x12x6 ins., 12 ins. in the ground, for 1/16 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. and W. of Stone 5½ ft. dist., & raised a mound of Earth 1½ ft. high, 3½ ft. base.
67.07	Top of Spur, bears E. & W. and descend.
72.87	Cross Gulch, 10 lks. wide, Course West & ascend.
75.00	Top of Spur, bears E. & W. & descend.
76.10	Cross Gulch, 6 lks. wide, Course West & ascend.
79.50	Top of Spur, bears E. & W. & descends.
80.00	Set a post 4½ ft. long, 4 ins. square. 12 ins. in the ground, for 1/16 Cor. to Secs. 27, 28, 33, 34, marked T. 30 N. R. 53 W. S. 34 on S.E., S. 35 on S.W. and S. 28 on N.W. face, with 1 notch on S. and 3 notches on E. edge, & raised a mound of Stone 2 ft. high, 4½ ft. base around post. Pits impracticable.
	From which
	A Pine 16 in. dia. bears N. 60° E. 20 lks. dist. marked T. 30 N. R. 53 W. S. 27 B. T.
	A Pine 6 in. dia. bears S. 55° E. 39 lks. dist. marked T. 30 N. R. 53 W. S. 34 B. T.
	A Pine 16 in. dia. bears S. 55° W. 39 lks. dist. marked T. 30 N. R. 53 W. S. 33 B. T.
	A Pine 16 in. dia. bears N. 40° W. 33 lks. dist. marked T. 30 N. R. 53 W. S. 28 B. T.
	Land mountainous. Soil 2d. & 3d. rate. Timber & undergrowth of Pine & Bunchgrass.

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

Chains	East, on a random line between Sections 27 and 34. Variation 16° 20' East.
	Ascend.
5.00	Top of Ridge, bears N. W. & S. E. & descend.
21.00	Cross Gulch, 10 lks. wide, Course S. E. & ascend.
26.00	Top of Ridge, bears N. W. & S. E. & descend.
40.00	Set temporary Sec. cor.
60.90	Cross Gulch, 10 lks. wide, Course N. 15° W. & ascend.
66.00	Top of Ridge, bears N. & S. & descend.
75.30	Cross Gulch 6 lks. wide, Course N. 25° E. & ascend.
79.00	Top of hill, bears N. E. & S. W. & descend.
79.64	Intersect N. & S. line, 8 lks. south of corr. to secs. 26, 27, 34, 35 from which corner, bears S. 89° 57' W. on a true line between sections 27-34.
	Variation 16° 20' East.
39.82	Set a post 3½ ft. long, 3 ins. diam. 12 ins. in the ground, for 1/16 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., W. and S. of post 5½ ft. dist., & raised a mound of Earth 1½ ft. high, 3½ ft. base around post.
79.64	The corner to sections 27-28-33-34.
	Land mountainous. Soil 3d. rate. Timber & undergrowth of Pine & Bunchgrass.

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

Chains North, between Sections 27 and 28.

Variation 15° 30' East.

Descend.
.40 Cross Gulch, 6 lks. wide, Course West and ascend.
15.00 Top of Spur, bears N.E. & S.W. and descend.
40.00 Set a post 3 ft. long, 3 ins. diam.
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high, 3 1/2 ft. base around post.
62.20 Cross Gulch, 20 lks. wide, Course S. 40° W. and ascend.
68.00 Top of hill bears N. 50° W. & S. 50° E. and descend.
74.15 Cross Gulch, 10 lks. wide, Course West and ascend.
77.50 Top of Spur, bears E. & W. and descend.
79.40 Cross Gulch, 10 lks. wide, Course West and ascend.
80.00 Set a sand stone 14 x 10 x 8 ins. 10 ins. in the ground for Cor. to secs. 21-22-27-28 marked with 2 notches on S. and 3 notches on E. edges and raised a mound of Stone.
on Top of Spur, bears E. & W.
Land hilly.
Soil 2d. & 3d. rate.
Timber and undergrowth of Pine and Bunchgrass.

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

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

Variation 15° 35' East.

Ascend.
10.00 Top of Ridge, bears N. 15° W. & S. 15° E. and descend.
17.53 Cross Gulch, 15 lks. wide, Course North and ascend.
22.00 Top of hill bears N. & S. and descend.
30.40 Cross Canon, 30 lks. wide, Course N. 15° W. and ascend.
39.00 Top of hill bears N. & S. and descend.
40.00 Set temporary 1/4 sec. cor.
56.30 Cross Gulch, 15 lks. wide, Course North and ascend.
60.00 Top of Ridge, bears N. & S. and descend.
71.00 Cross Gulch, 10 lks. wide, Course N. 20° W. and ascend.
79.94 Intersect N. & S. line, 21 lks. south of cor. to secs. 22-23-26-27 from which corner, Run S. 89° 51' W. on a true line between sections 22-27.
Variation 15° 35' East.
39.97 Set a post 3 ft. long, 3 ins. diam.
12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.94 The corner to sections 21-22-27-28.
Land mountainous.
Soil 3d. rate.
Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th. Principal Meridian.

Chains	North, between Sections 21 and 22. Variation 15° 35' East.
	Descend.
18.00	Cross Gulch, 15 lks. wide, Course N. 27° E. & ascend.
29.00	Top of Spur, bears N. E. & S. W. and descend.
34.20	Cross Gulch, 12 lks. wide, Course N. 30° E. & ascend.
40.00	Set a post 3 ft. long 5 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, and raised a mound of stone 1½ ft. high, 3½ ft. base around post. Pits impracticable.
48.50	Top of Spur, bears N. E. & S. W. and descend.
53.80	Cross Gulch, 12 lks. wide, Course N. E. and ascend.
78.00	Top of Spur, bears N. E. & S. W. and descend.
80.00	A Pine 10 ins. dia. on which I marked T. 30 N. S. 15 on N. E. & 1. 53 W. S. 22 on S. E. S. 21 on S. W. and S. 16 on N. W. faces, with 3 notches on S. and 3 notches on E. edges, for Cor. to Secs. 15-16-21-22. From which A Pine 8 ins. diam. bears N. 30° E. 48 lks. dist. marked T. 30 N. R. ~~54~~ 53 W. S. 15 B. T.
	A Pine 8 in. diam. bears N. 30° W. 12 lks. dist. marked T. 30 N. R. ~~54~~ 53 W. S. 16 B. T.
	A Pine 10 in. diam. bears S. 30° W. 80 lks. dist. marked T. 30 N. R. ~~54~~ 53 W. S. 21 B. T.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th. Principal Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 15° 30' East.
	Descend.
3.00	Cross Gulch, 20 lks. wide, Course N. 10° E. & ascend.
4.00	Top of Spur, bears N. & S. and descend.
10.00	Cross Gulch, 20 lks. wide, Course North and descend.
25.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. Cor.
60.00	Cross Gulch, 8 lks. wide, Course North and ascend.
79.90	Intersect N. & S. line, 26 lks. North of cor. to Secs. 14-15-22-23 from which corner, Dun N. 89° 49' W. on a true line between sections 15-22.
	Variation 15° 30' East.
39.95	Set a sand stone 18 by 6 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
79.90	The corner to sections 15-16-21-22.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 15° 30' East.
	Ascend.
7.00	Top of hill bears E. & W. and descend.
15.50	Cross Gulch, 20 lks. wide, Course S. 80° E. and ascend.
29.00	Top of Ridge bears E. & W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of post 5 1/2 ft. dist. and raised a mound of Earth 1 1/2 ft. high, 3 1/2 ft. base around post.
58.00	A Spring bears East about 15.00 chs. dist. & Cross Brook, 15 lks. wide, Course N. 40° W. and ascend.
80.00	A Pine 6 in. dia. in which I marked T. 30 N. S. 16 on N. E. R. 53 W. S. 15 on S. E. S. 16 on S. W. and S. 9 on N. W. faces with 4 notches on the S. and 3 notches on the E. edges for Cor. to Secs. 9-10-15-16. from which A Pine 12 in. dia. bears N. 80° E. 14 lks. dist. marked T. 30 N. R. 53 W. S., 10 B. T. A Pine 10 in. dia. bears N. 70° W. 30 lks. dist. marked T. 30 N. R. 53 W. S., 16 B. T. Land hilly. Soil 2d. & 3d. rate. Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15. Variation 15° 50' East.
	Ascend.
40.00	Set temporary 1/4 sec. cor.
51.00	Top of hill bears N. W. & S. E. and descend.
79.85	Intersect N. & S. line, 20 lks. South of cor. to secs. 10-11-14-15 from which corner, I run S. 89° 51' W. on a true line between sections 10-15. Variation 15° 50' East.
39.93	Set a sand stone 20 x 16 x 14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face and raised a mound of stone. Pits impracticable.
79.85	The corner to sections 9-10-15-16. Land hilly. Soil 2d. & 3d. rate. Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, between Sections 9 and 10. Variation 15° 50' East.
	Ascend.
4.00	Top of hill bears N.W. & S.E. and descend.
25.00	Cross Gulch, 20 lks. wide, Course N. 30° W. and ascend.
37.00	Top of Spur, bears N.W. & S.E. and descend.
39.60	Cross Gulch, 30 lks. wide, Course N. 60° W. and ascend.
40.00	A Pine 30 in. diam., which I mark 1/4 S. on W. face, for 1/4 Sec. Cor., from which
	A Pine 20 in. diam. bears N. 50° W. 17 lks. dist. marked 1/4 S. B. T. in Hill, bearing E. & W.
47.00	Cross Gulch, 20 lks. wide, Course N. 60° W. and ascend.
68.00	Top of hill bears N.W. & S.E. and descend.
80.00	A Pine 17 in. dia., in which I marked T. 30 N. S. 3 on N.E. R. 53 W. 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 for Cor. to Secs. 3-4-9-10.
	from which
	A Pine 14 in. dia. bears S. 50 E. 140 lks. dist. marked T. 30 N. R. 53 W. S. 10 B. T.
	A Pine 14 in. dia. bears N. 40° W. 7 lks. dist. marked T. 30 N. R. 53 W. S. 11 B. T.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrouth of Pine & Bunchgrass.

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

Chains	East, on a random line between Sections 3 and 10. Variation 16° 10' East.
	Descend.
1.80	Cross Gulch, 30 lks. wide, Course N. 15° W. and ascend.
5.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
12.00	Cross Gulch, 50 lks. wide, Course N. 20° W. and ascend.
40.00	Set temporary 1/4 sec. cor. on Top of Spur, bears N.W. & S.E. and descend.
48.30	Cross Gulch, 20 lks. wide, Course N. 48° W. and ascend.
62.00	Top of hill bears N.W. & S.E. and descend.
69.00	Cross Gulch, 2 lks. wide, Course North and ascend.
76.00	Top of Spur, bears N. 10° W. & S. 10° E. and descend.
79.94	Intersect N. & S. line, 1 lks. south of cor. to secs. 2-3-10-11 from which corner I run S. 89° 53' W. on a true line between sections 3-10.
	Variation ~~15° 45'~~ 16° 10' East.
39.97	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.94	The corner to sections 3-4-9-10.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrouth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal. Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 16° 10' East.
	Descend.
2.00	Cross Gulch, 8 lks. wide, Course N. 20° W. and ascend.
7.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
30.00	Cross Gulch, 5 lks. wide, Course N. 20° W. and ascend.
35.00	Top of hill bears E. & W. and descend.
40.00	Set temporary 1/4 sec. cor.
79.69	Intersect N. S. of Tp. 31 lks. East of cor. to secs. 3-4-33-34 from which corner, Trun S. 13° E. on a true line, between sections 3-4. Variation ~~15° 50'~~ 16° 10' East.
39.69	Set a sand stone 14 x 11 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face and raised a mound of stone. Pits impracticable.
79.69	The corner to sections 3-4-9-10.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine
	Nov. 24. 1881.

Township 30 N. Range 53 W.

6th Principal. Meridian.

Chains	North, between Sections 32 and 33. Variation 15° 21' East.
	Ascend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post on Top of Ridge, bears E. & W. and descend.
58.00	Cross Gulch, 20 lks. wide, Course West and ascend.
60.00	Top of Ridge, bears E. & W. and descend.
62.20	Cross Gulch, 25 lks. wide, Course West and ascend.
71.50	Top of Ridge, bears E. & W. and descend.
76.25	Cross Gulch, 30 lks. wide, Course West and ascend.
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. 30 N. S. 28 on N. E., R. 53 W. S. 33 on S. E. S. 32 on S. W. and S. 29 on N. W. face, with 1 notch on S. and 4 notches on E. edges, dug pits, 18 x 18 x 12 ins., in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	East, on a random line between Sections 28 and 33. Variation 15° 45' East.
	Descend.
20.00	Cross Gulch, 40 lks. wide, Course N.W. and ascend.
40.00	Set temporary 1/4 sec. cor.
79.83	Intersect N. 1/4 S. line, 31 lks. North of cor. to secs. 27-28-33-34 from which corner, Drum N. 89° 47' W. on a true line between sections 28-33.
	Variation 16° 20' East.
39.92	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.83	Tie corner to sections 28-29-32-33.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Punchgrass.

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

Chains	North, between Sections 28 and 29. Variation 15° 45' East.
	Ascend.
15.00	Top of hill bears E. & W. and descend.
29.80	Cross low Sag and ascend.
30.00	Enter timber bears E. & W.
38.00	Top of Ridge, bears E. & W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
51.00	Cross Gulch, 50 lks. wide, Course West and ascend.
69.00	Top of Ridge, bears E. & W. and descend.
74.50	Cross Gulch, 30 lks. wide, Course West and ascend.
75.70	Top of Ridge, bears E. & W. and descend.
77.00	Cross Gulch, 20 lks. wide, Course West and ascend.
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. 30 N. S. 21, on N.E., R. 53 W., S. 28 on S.E. S. 29 on S.W. and S. 20 on N.W. face, with 2 notches on S. and 4 notches on E. edges; dug pits, 18 x 18 x 12 ins., in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Punchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15° 45' East.
	Ascend.
12.00	Top of Ridge, bears N. & S. and descend.
20.00	Cross low Sag and ascend.
40.00	Set temporary ¼ sec. cor.
44.00	Top of Ridge, bears N. & S. and descend.
63.50	Cross Canon, 50 lks. wide, Course North & ascend.
67.00	Top of Ridge, bears N. & S. and descend.
70.00	Cross Gulch, 50 lks. wide, Course N. 10° W. & ascend.
79.73	Intersect N. & S. line, 16 lks. North of cor. to Secs. 21-22-27-28 from which corner, Drum N. 89° 53' W. in a true line between sections 21-28.
	Variation 15° 45' East.
39.86	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 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 20 and 21. Variation 15° 45' East.
	Ascend.
12.00	Top of Ridge, bears E. & W. and descend.
20.00	Cross low Sag and ascend.
36.00	Top of hill bears E. & W. and descend.
37.00	Cross Gulch, 40 lks. wide, Course West 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 on top of Spur, bears E. & W. and descend.
49.00	Cross Gulch, 30 lks. wide, Course West 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. 16-17-20-21, marked T. 30 N. R. 16 on N.E., R. 53 W. S. 21 on S.E., S. 20 on S.W. and S. 17 on N.W. face, 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 around post.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

East, on a random line between Sections 16 and 21.

Variation 16° 20' East.

Chains	
	Descend.
15.00	Cross Gulch, 25 lks. wide, Course North and ascend.
30.00	Top of Ridge, bears N. & S. and descend.
35.00	Cross Gulch, 30 lks. wide, Course North and ascend.
40.00	Set temporary ¼ sec. cor.
54.00	Top of Ridge, bears N. & S. and descend.
79.81	Intersect N. & S. line, 10 lks. south of cor. to secs. 15-16-21-22, from which corner, I run S. 89° 56' W. on a true line between sections 16-21.
	Variation 15° 20' 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 and raised a mound of stone 1½ ft. high, 3½ ft. base around post. Pits impracticable.
79.81	The corner to sections 16-17-20-21.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.

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

North, between Sections 16 and 17.

Variation 16° 20' East.

Chains	
	Descend.
34.00	Cross Gulch, 30 lks. wide, Course N.E. and ascend.
37.00	Top of hill bears E. & W. and descend.
39.00	Cross low Sag and ascend.
46.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dig 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.
45.00	Top of hill bears N. 80 E. & S. 80 W. and descend.
54.25	Cross Gulch, 50 lks. wide, Course West and ascend.
64.00	Top of hill bears E. & W. and descend.
79.00	Cross low Sag 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 S. 30 N. S. on N. E., R. 53 W. S. 16 on S.E. S. 17 on S.W. and S. 8 on N.W. face, with 4 notches on S. and 4 notches on E. edges, dig 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 hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.

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

Chains	East, on a random line between Sections 9 and 16. Variation 15° 45' East.
	Descend.
10.00	Cross Canon 50 lks. wide, Course North and ascend.
20.00	Ascend.
30.00	Top of hill bears N.E. & S.W. and descend
40.00	Set temporary 1/4 sec. cor.
50.00	Cross Canon, 50 lks. wide, Course North and ascend.
79.63	Intersect N. & S. line, 17 lks. South of cor. to secs. 9-10-15-16 from which corner, I run S. 89° 53' W. on a true line between sections 9-16. Variation 15° 45' East.
39.82	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins. N. and S. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.63	The corner to sections 8-9-16-17.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, between Sections 8 and 9. Variation 15° 45' East.
	Ascend.
3.00	Top of Ridge, bears E. & W. and descend.
11.70	Cross Gulch, 20 lks. wide, Course East and ascend.
17.50	Top of Ridge, bears E. & W. and descend.
25.00	Cross Gulch, 20 lks. wide, Course East and ascend.
35.00	Top of Ridge, bears E. & W. and descend.
38.00	Cross low Sag and ascend.
40.00	A Pine 12 in. diam., which I marked 1/4 S. on W. face, for 1/4 Sec. Cor., dug pits 18 x 18 x 12 ins. E. & W. of tree, 5 1/2 ft. dist. and raised a mound of earth around tree, on top of Ridge bearing E. & W. & descend.
47.00	Cross low Sag and ascend.
53.00	Top of Ridge, bears E. & W. and descend.
59.00	Cross low Sag and ascend.
68.00	Top of Ridge, bears S. 80° E. & N. 80° W. and descend.
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. 30 N. S. 4 on N.E., R. 53 W. S. 9 on S.E., S. 8 on S.W. and S. 5 on N.W. face, with 5 notches on S. and 4 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.
	Land mountainous. Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	East, on a random line between Sections 4 and 9. Variation 15° 30' East.
	Descend.
8.00	Cross Brook, 6 lks. wide, Course North and ascend abruptly.
12.00	Ascend gradually.
40.00	Set temporary 1/4 sec. cor.
50.00	Top of hill bears N. & S. and descend.
79.79	Intersect N. & S. line, 32 lks. South of cor. to secs. 3-4-9-10 from which corner, I run S. 89° 46' W. on a true line between sections 4-9. Variation 15° 30' East.
39.89	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.79	The corner to sections 4-5-8-9.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, on a random line between Sections 4 and 5. Variation 15° 30' East.
	Descend.
40.00	Set temporary 1/4 sec. cor.
46.56	Cross Brook, 5 lks. wide, Course N. 30° W. and ascend.
54.00	Top of Ridge, bears N.W. & S.E. and descend.
79.74	Intersect N. B. of Tp. 23 lks. East of cor. to secs. 4-5-32-33 from which corner, I run S. 10° E. on a true line, between sections 4-5. Variation 15° 30' East.
39.74	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.74	The corner to sections 4-5-8-9.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.
	I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus, and found them correct. Nov. 25. 1881.

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

Chains	North, between Sections 31 and 32. Variation 15° 30' East.
	Ascend.
36.00	Top of Ridge, bears E. & W. and descend.
40.00	Set a sand stone 14x12x9 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
47.00	Cross Gulch, 30 lks. wide, Course East and ascend.
61.00	Top of Ridge, bears S.W. & N.E. and descend.
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. 30 N. S. 29 on N.E. R. 53 W. S. 32 on S.E. S. 31 on S.W. and S. 30 on N.W. face, with 1 notch on S. and 5 notches on E. edges; dug pits, 18x18x12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of Earth 2 ft. high, 4 1/2 ft. base around post. in Canon, 50 lks. wide, Course N.W. from which A Pine 30 in. dia., bears S. 30° W. 80 lks. dist. marked T. 30 N R. 53 W. S., 32 B. T.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

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

Chains	East, on a random line between Sections 29 and 32. Variation 15° 35' East.
	Ascend.
8.00	Top of Ridge, bears N. & S. and descend.
15.00	Cross Gulch, 75 lks. wide, Course North and ascend.
21.00	Top of Ridge, bears N. & S. and descend.
31.00	Cross low Sag and ascend.
33.00	Top of Ridge, bears N. & S. and descend.
37.50	Cross Canon, 100 lks. wide, Course North and ascend.
40.00	Set temporary 1/4 sec. cor.
50.00	Top of Ridge, bears N. & S. and descend.
79.68	Intersect N. & S. line, 30 lks. south of cor. to secs. 28-29-32-33 from which corner Sun S 87° 47' W. on a true line between sections 29-32.
	Variation 15° 35' East.
39.84	Set a sand stone 18x14x5 ins. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
79.68	The corner to sections 29-30-31-32.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	West, on a random line between Sections 30 and 31. Variation 15° 35' East.
	Ascend.
10.00	Top of hill bears N.E. & S.W. and descend.
23.00	Cross low Sag and ascend.
29.00	Top of Ridge, bears N. & S. and descend.
33.00	Cross low Sag and ascend.
40.00	Set temporary 1/4 sec. cor.
46.00	Top of hill bears N. & S. and descend.
80.13	Intersect W.B. of Tp. 21 lks. North of cor. to secs. 30-31-25-36 from which corner, Run N. 89° 57' E. on a true line, between sections 30-31.
	Variation 15° 35' East.
40.13	Set a sand stone 24 x 20 x 14 ins., 18 ins. in the ground, for 1/4 Sec. Cor., marked [illegible] on N. face and raised a mound of stone. Pits impracticable.
80.13	The corner to sections 29-30-31-32.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

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

Chains	North, between Sections 29 and 30. Variation 15° 30' East.
	Ascend abruptly.
3.00	Ascend gradually.
20.00	Top of Ridge, bears E. & W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post in low Sag and ascend.
49.00	Top of Ridge, bears E. & W. and descend.
60.00	Cross Canon, 100 lks. wide, Course S.E. and ascend.
64.00	Top of hill bears E. & W. and descend.
67.00	Cross low Sag and ascend.
77.00	Top of hill 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. 19-20-29-30 marked T. 30 N. S. 20 on N.E. R. 53 W. S. 29 on S.E. S. 30 on S.W. and S. 19 on N.W. face, with 2 notches on S. and 5 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of Earth 5 ft. high, 4 1/2 ft. base around post in low Sag.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass

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

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

Variation 15° 50' East.

Chains	
	Ascend.
30.00	Top of hill bears N. & S. Cont descend.
40.00	Set temporary 1/4 sec. cor. in Gulch 4 lks. wide course E. & W. cont ascend.
55.00	Top of hill bears N. & S. Cont descend.
79.89	Intersect N. & S. line, 18 lks. North of cor. to secs. 20-21-28-29 from which corner, Sun N. 89° 52' W. in a true line between sections 20-29.
	Variation 15° ~~45'~~ 50' East.
39.95	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.89	The corner to Sections 19-20-29-30.
	Land hilly.
	Soil 2d & 3ds. rate.
	Timber and undergrowth of Pine & Bunch-grass.

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

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

Variation 15° 20' East.

Chains	
	Ascend.
5.00	Top of Ridge, bears N. & S. Cont descend.
8.00	Cross Gulch, 50 lks. wide, Course S.E. and ascend.
24.00	Top of hill bears N. & S. Cont descend.
36.00	Cross low Sag and ascend.
40.00	Set temporary 1/4 sec. cor.
56.00	Top of Ridge, bears N. & S. Cont descend.
80.09	Intersect N. & S. of Tp. 11 lks. North of cor. to secs. 24-25-19-30 from which corner, Sun N. 89° 54' E. in a true line, between sections 19-30.
	Variation ~~15°~~ 15° 20' East.
40.09	Set a sand stone 12 x 14 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face and raised a mound of stone. Pits impracticable.
80.09	The corner to sections 19-20-29-30.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.

Township 30 N. Range 53 W.

6th Principal Meridian.

North, between Sections 19 and 20.

Variation 15° 30' East.

Chains	
	Ascend abruptly.
11.00	Top of hill bears E. & W. and descend
11.80	Cross Gulch, 10 lks. wide Course West and ascend.
21.00	Top of hill bears E. & W. and descend.
25.00	Cross Gulch, 30 lks. wide, Course West and ascend.
37.00	Top of Ridge, bears E. & W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of post 5½ ft. dist. and raised a mound of earth 2½ ft. high, 3½ ft. base around post.
41.00	Cross low Sag and ascend.
57.00	Top of hill bears E. & W. and descend.
61.00	A Pine 8 in. dia.
75.00	A Pine 18 in. dia.
78.00	Cross Gulch 30 lks. wide, Course South and ascend
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. 30 N. R. 53 W. 17 on N.E. R. 53 W. 20 on S.E. T. 19 on S.W. and T. 18 on N.W. face, with 3 notches on S. and 5 notches on E. edge; 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 hilly.

Soil 3d. rate.

Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

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

Variation 16° 10' East.

Chains	
	Descend.
4.00	Cross Canon, 50 lks. wide, Course North and ascend.
7.20	A Pine 50 in. dia.
9.00	Top of hill bears N. & S. and descend.
16.59	A Pine 18 in. dia.
17.50	Cross Gulch, 40 lks. wide, Course North and ascend.
30.00	Top of hill bears N. & S. and descend.
32.00	Cross Gulch, 40 lks. wide, Course S.W. and ascend.
34.20	A Pine 14 in. dia.
38.00	Top of hill bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
42.00	Cross Gulch, 40 lks. wide, Course N.E. and ascend.
60.00	Top of hill bears N.W. & S.E. and descend.
79.71	Intersect N. & S. Line, 40 lks. South of cor. to secs. 16-17-20-21 from which Corner, I run S. 59° 40' W. on a true line between sections 17 & 20
	Variation 16° 20' East.
39.56	Set a sand stone 14 x 12 x 12 ins., 16 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of stone. Pits impracticable.
79.71	The corner to sections 17-18-19-20.

Land hilly.

Soil 2d. & 3d. rate.

Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19. Variation 16° 10' East.
	Ascend.
10.00	Top of hill bears N. & S. and descend.
24.00	Cross Canon, 40 lks. wide, Course North and ascend.
35.00	Top of hill bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
55.00	Cross low Sag and ascend.
79.82	Intersect W. B. of Tp. 20 lks. North of cor. to secs. 18-19-13-24 from which corner, Run N. 89° 49' E. on a true line, between sections 18-19.
	Variation 16° 10' East.
39.82	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.82	The corner to sections 17-18-19-20.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.
	Nov. 26. 1881.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 16° 10' East.
	Ascend.
7.00	Top of Ridge, bears E. & W. and descend.
9.50	Cross Gulch, 20 lks. wide, Course East and ascend.
11.00	Top of Ridge, bears E. & W. and descend.
14.30	A Pine 18 in. dia.
15.75	Cross Gulch 4 lks. wide, Course East and ascend.
20.00	Top of Ridge, bears E. & W. and descend.
31.50	Cross Gulch, 50 lks. wide, Course East and ascend.
35.78	A Pine 10 in. dia.
37.00	Top of Ridge, bears E. & W. and descend.
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
51.50	Cross Gulch, 30 lks. wide, Course East and ascend.
56.00	Top of Ridge, bears E. & W. and descend.
59.00	Cross Gulch, 80 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. 7-8-17-18 marked T. 30 N. S. 8, on N.E., R. 53 W. S. 17 on S.E., S. 18 on S.W. and S. 7 on N.W. face, with 4 notches on S. and 5 notches on E. edges; and raised a mound of stone 3 ft. high, 4 1/2 ft. base around post. Pits impracticable. from which. A Pine 15 in. dia. bears S. 25° W. 180 lks. dist. marked T. 30 N. R. 53 W. S., 18 B. T.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 15° 50' East.
	Ascend.
30.00	Top of Ridge, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
45.00	Cross Gulch, 10 lks. wide, Course North and ascend.
60.00	Top of hill bears N. & S. and descend.
79.81	Intersect N. & S. line, 23 lks. North of cor. to secs. 8-9-16-17 from which corner, I run N. 89° 50' W. on a true line between sections 8-17.
	Variation 15° ~~45'~~ 50' East.
39.91	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.81	The corner to sections 7-8-17-18.
	Land hilly.
	Soil 2d. & 3d. rate.
	Timber and undergrowth of Pine & Bunchgrass.

Township 30 N. Range 53 W.

6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 15° 50' East.
	Descend
14.00	Cross low Sag and ascend.
25.00	Top of Ridge, bears N. & S. and descend.
37.00	Cross Gulch, 40 lks. wide, Course North and ascend.
40.00	Set temporary 1/4 sec. cor.
58.00	Top of Ridge, bears N. & S. and descend.
79.34	Intersect W. P. of Tp. 16 lks. North of cor. to secs. 12-13-7-18 from which corner, I run N. 89° 53' E. on a true line between sections 7-18.
	Variation 15° ~~16'~~ 50' East.
39.67	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
79.34	The corner to sections 7-8-17-18.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine and Bunchgrass.

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

Chains	North, between Sections 7 and 8. Variation 15° 50' East.
	Ascend.
13.00	Top of Ridge, bears E. & W. and descend
24.00	Enter grove
30.00	Leave grove and ascend
40.00	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5 ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post
73.00	Top of Ridge, bears E. & W. and descend
78.00	Cross Gulch, 2 lks. wide, Course West and ascend.
80.00	Set a post 4 ft. long, 4 ins. square, 18 ins. in the ground, for cor. to Secs. 5-6-7-8 marked T. 30 N. S. 5, on T. C. R. 53 W. S. 8 on S. E., S. 7 on S. W. and S. 6 on N. W. faces, with 5 notches on S. and 5 notches on E. edges, and raised a mound of stone 2 ft. high, 4½ ft. base around post. Pits impracticable.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.

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

Chains	East, on a random line between Sections 5 and 8. Variation 15° 50' East.
	Ascend.
12.00	Top of Spur, bears N. & S. and descend
30.75	Cross Canon, 2 lks. wide, Course North and ascend.
38.00	Top of hill bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
43.50	Cross Canon, 8 lks. wide, Course S. W. and ascend
60.00	Top of hill bears N. & S. and descend.
80.20	Intersect N. & S. line, 26 lks. North of cor. to Secs. 4-5-8-9 from which corner, Found N. 89° 44' W. in a true line between sections 5-8. Variation 15° 50' East.
40.10	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.20	The corner to sections 5. 6. 7 & 8
	Lands hilly.
	Soil 2d. rate.
	Timber and undergrowth of Pine and Bunch grass.

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

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

Variation 15° 50' East.

Chains	
	Descend.
20.00	Cross low Sag and ascend.
21.00	A Spring, bears North 500 lks. dist.
33.00	Cross Road, bears.
40.00	Set temporary 1/4 sec. cor.
67.70	Cross Creek, 15 lks. wide, Course N. E. and ascend.
79.52	Intersect W. B. of Tp. 30 lks. South of cor. to sec. 6-7-1-12 from which Corner, Drun S. 89° 47' E. on a true line, between sections 6-7.
	Variation ~~16°~~ 15° 50' East.
39.52	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, and raised a mound of Stone 1½ ft. high, 3½ ft. base, around post. Pits impracticable.
79.52	The corner to sections 5-6-7-8.
	Land hilly.
	Soil rate.
	Timber & undergrowth of Pine and Bunch-grass.

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

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

Variation 15° 50' East.

Chains	
	Ascend.
10.00	Top of Ridge, bears E. & W. and descend
18.00	Cross low Sag and ascend.
30.00	Top of Ridge, bears E. & W. and descend.
37.00	Cross Gulch, 30 lks. wide, Course West and ascend.
40.00	Set temporary 1/4 sec. cor.
50.00	Top of Ridge, bears E. & W. and descend.
77.00	Cross White Run, 20 lks. wide, Course N. 59° E.
78.50	Cross Road, bears N. 46° E. & S. 46° W.
79.83	Intersect W. B. of Tp. 30 lks. East of cor. to sec. 5-6-31-32 from which corner, Drun S. 13° E. on a true line, between sections 5-6
	Variation ~~16°~~ 15° 50' East.
39.83	Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, and raised a mound of Stone 1½ ft. high, 3½ ft. base, around post. Pits impracticable.
79.83	The corner to sections 5-6-7-8.
	Land mountainous.
	Soil 3d. rate.
	Timber and undergrowth of Pine & Bunch grass.
	Carefully examined the adjustments of my solar compass today, particularly the latitude and revising apparatus, and found them correct. Nov. 28-1881.

GENERAL DESCRIPTION.

The land in this Township is generally mountainous.
The soil is 3d. & 3d. rat.
The timber and underguwth consists of Pine and Bunchgrass.
The land is well adapted to grazing and stock raising.

U. S. Surveyor-General's Office,

Plattsmouth Neb.

August 31st 1882

The foregoing Field Notes of the surveys of

Subdivision lines & T. No. 30 N. R. 53 W. of Principal Base Line

Meridian

in the State of Neb. executed by

M. F. Reilly

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

September 22nd 1881

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

Geo. L. Smith

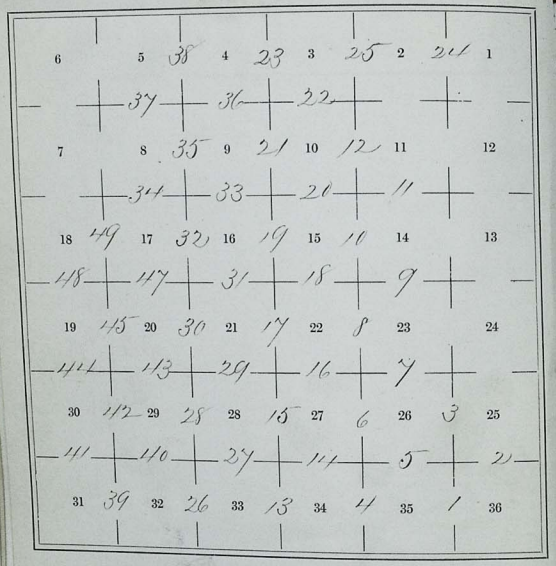
U. S. Surveyor-General for Ia & Neb.

Field Notes
of
T. 31 N. R 53

By
Charles Buchanan

Date of Contract Nov. 11 1881
No. Special Deposit No 3

Township 31 N. Range 53 W.
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 1880.

T. 31 N. R. 53 W. 6th P. M.

Chains.

From the corner to sections, 1-2-35-36, on the South boundary, Run North between sections 35-36.

Variation 15°10' East.

13.50 Cross Road, bears, N.E. and S.W.

40.00 Set a Sand stone 10 x 8 x 3 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

47.50 Cross Wash, 200 lks. wide, Course N.E.

51.50 Cross Wash, 100 lks. wide, Course N.E.

79.25 Cross Creek, 10 lks. wide, Course N.W.

80.00 Set a Sand stone 11 x 11 x 1 ins. 9 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with 1 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land Broken.

Soil 3rd rate

Vegetation Bunchgrass.

T. 31 N. R. 33 W. 6th P. M.

Chains.	
	East. on a random line between sections 25 & 36
	Variation 15°40' East.
40.00	Set temporary ¼ sec. cor.
79.53	Intersect E. B. of Tp. 17 lks. North of cor. to secs. 25-30-31-36 from which corner, I run N.59°55' W., on a true line, between sections 25 - 36.
	Variation 15°40' East.
39.92	Set a Sand stone 15 x 11 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.
79.83	The corner to sections 25 - 26 - 35 - 36.
	Land rolling.
	Soil 2nd rate
	Vegetation, Bunchgrass.

T. 31 N. R. 33 W. 6th P. M.

Chains.	
	North between sections 25 - 26
	Variation 15°40' East.
15.50	Cross Road, bears, N.E. and S.W.
35.00	Top of Divide, bears E. and W.
110.00	Set a Sand stone 18 x 9 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.
50.50	Cross Road, bears, E. and W.
68.50	Intersect South Boundary of Fort Robinson Military Reservation, 14.95 chs. East of S.W. corner, Post No. 39, and
	Set a Sand stone 17 x 13 x 3 ins. 11 ins. in the ground for Closing Cor. to Secs. 25 and 26, marked C. C. with 1 notch on face, E. and 2 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 34 - 35

Variation 15° 40' East.

19.00 Cross Road, bears, E. and W.

40.00 Set a Sand stone 14 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.

77.00 Cross Road, (the Laramie and Robinson) bears N.E. and S.W.

80.00 Set a Sand stone 15 x 12 x 4 ins. 10 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 rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

T. 31 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 26 & 35

Variation 15° 40' East.

2.00 Cross Road, bears, N.E. and S.W.

10.00 Cross Wash, 10 lks. wide, Course North.

40.00 Set temporary ¼ sec. cor.

42.00 Cross Road, bears, N.E. and S.W.

50.00 Top of Hill bears N. and S. and descend.

78.00 Cross Creek, 40 lks. wide, Course N.W.

80.60 Intersect N. & S. line, 35 lks. South of cor. to secs. 25-26-35-36 from which corner, I run N. 89° 45' W. on a true line between sections 26-35.

Variation 15° 40' East.

110.30 Set a Sand stone 14 x 10 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.

80.60 The corner to sections 26-27-34-35,

Land rolling. and hilly

Soil 3rd rate

Vegetation, Bunchgrass.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 26 - 27

Variation 15° 40' East.

12.00 Cross White River, 120 lks. wide, Course N.E.

22.00 Cross Wash, 75 lks. wide, Course S.E.

40.00 Set a Sand stone 15 x 10 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

48.75 Cross Road, (the Fort Laramie and Robinson road) bears N.E. and S.W.

80.00 Set a Sand stone 20 x 10 x 8 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 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.

Aug. 21, 1882.

T. 31 N. R. 53 W. 6th P. M.

Chains.

East. on a true line between sections 23 - 26

Va. 15° 40' East.

15.40 Cross Road, bears, N.E. and S.W.

40.00 Set a Sand stone 15 x 12 x 8 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.

50.00 Cross Fence, bears, N.E. and S.W.

54.00 Cross Fence, bears, N.W. and S.E.

56.00 Cross White River, 130 lks. wide, Course N.E.

64.70 Intersect Boundary line of Fort Robinson Military Reservation, 10.93 chs. North of S.W. Corner No. 39, and

Set a Sand stone 14 x 10 x 8 ins. 9 ins. in the ground for Closing Cor. to Secs. 23 and 26, marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. ~~E. & W.~~ N. & S., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.

Land level.

Soil 2nd rate

Vegetation, Bunchgrass.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 22 - 23

Variation 15° 10' East.

39.75 Cross Road, bears, E. and W.

40.00 Set a Sand stone 15 x 11 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 Cross Ravine, Course. S.E., and ascend. (Bluff)

Bears E. and W., and enter Pine timber.

64.00 Top of Ridge, bears N.E. and S.W. and descend.

73.00 Cross Ravine, Course. S.E., and ascend.

78.00 Top of Spur, bears N.E. and S.W. and descend.

80.00 Set a Sand stone 14 x 12 x 3 ins. 9 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. 38.00 chs. and 42.00 chs. Level

Soil 3rd rate

Vegetation Bunchgrass.

Timber of Pine.

T. 31 N. R. 53 W. 6th P. M.

Chains.

East. on a true line between sections 14 - 23

Va. 15° 10' East.

5.00 Cross Ravine, Course. S.E., and ascend.

40.00 Set a Sand stone 18 x 14 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.

45.00 Top of Spur, bears N.E. and S.W. and descend.

66.37 Intersect Boundary line of Fort Robinson Military Reservation, 28 chs. North of Post No. 38, and

Set a Sand stone 16 x 12 x 3 ins. 11 ins. in the ground for Closing Cor. to Secs. 14 and 23 marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. ~~S. E.~~ N. S., 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.

T. 3 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 14–15
	Variation 15° 40′ East.
8.00	Cross Ravine, Course. N. E. and
	Offset 4.00 chs. East, to avoid high Sandrock.
20.00	Top of Bluff, bears E. & W., and descend.
36.00	Offset 4.00 chs. West to line.
40.00	Set a Sand stone 14 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., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
65.00	Cross Ravine, Course. North East and ascend.
80.00	Set a Sand stone 14 x 12 x 8 ins. 7 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 3rd rate
	Vegetation Bunchgrass,
	Timber of Pine.

T. 3 N. R. 53 W. 6th P. M.

Chains.	
	East. on a true line between sections 11–14
	Va. 15° 40′ East.
22.00	Cross Ravine, Course. N. E. and ascend.
40.00	Set a Sand stone 15 x 9 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.
43.70	Intersect Boundary line of Ft. Robinson Mil. Res., at a point which bears N. 38½° E., 9.33 chs. from 35th M.P., and
	Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Secs. 11 and 14 marked C. C. T. 3 N. R. 53 W., on N. & S. 11 on N. and S. 14 on S. faces, with 5 notches on N. and 1 notch on on E. faces, dug pits 18 x 18 x 12 ins. N. & W. of post, 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.
	Timber of Pine.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 10 - 11

Variation 15°40' East.

7.00 Top of Ridge, bears N.E. and S.W.

11.00 Descend.

20.00 Cross Ravine, Course. East, and leave Timber.

40.00 Set a Sand stone 18 x 8 x 3 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.

53.71 Intersect Boundary line of W. Robinson Mil. Res, at a point which bears N. 38½° W., 1.10 chs. from 33rd M.P., &

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to fac. Secs. 10 and 11 marked C. C. T. 31 N. R. 53 W., on S., S. 11 on E., and S. 10 on W. faces, with 5 notches on S and 2 notches on E. 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 33.71 chs. rolling. and 20.00 chs. mountainous.

Soil 3rd rate Timber of Pine.

Vegetation Bunchgrass, Aug. 22, 1882

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 33 - 34

Variation 15°40' East.

19.00 Top of Knoll and descend.

39.00 Cross Road, bears, E. and W.

40.00 Set a Sand stone 12 x 10 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.

53.00 Cross Road, bears, E. and W.

56.00 Enter River Bottom, bears N.E. & S.W.

62.25 Cross White River, 120 lks. wide, Course N.E.

65.00 Leave River Bottom, bears N.E. & S.W.

71.00 Cross Gulch, 30 lks. wide, Course S.E. and enter Pine timber.

80.00 To A Pine 12 ins. diam. which I marked T. 31 N. S. 27, on N. E. R. 53 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 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth around tree, for cor. to secs. 27 28 - 33 - 34,

from which

T. 31 N. R. 53 W. 6th P. M.

Chains.

A Pine 18 ins. diam. bears N.E., 3 lks. dist. marked T. 31 N., R. 53 W., S., 27 B. T.

Land mountainous

Soil 2nd rate.

Timber of Pine.

Vegetation Bunchgrass.

East. on a random line between sections 27 & 34

Variation 15°40' East.

20.00 Large timber bears N.E. and S.W.

35.00 Cross Road, bears, N.E. and S.W.

40.00 Set temporary ¼ sec. cor.

70.00 Enter Rivr Bottom, bears N.E. & S.W.

78.00 Cross White River, 120 lks. wide, Course N.E.

80.36 Intersect N. & S. line, 47 lks. South of cor. to secs. 26-27-34-35 from which corner, I run S. 89°40' W. on a true line between sections 27-34,

Variation 15°40' East.

40.18 Set a Sand stone 14 x 6 x 3 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

T. 31 N. R. 53 W. 6th P. M.

Chains.

80.36 The corner to sections 27-28-33-34,

Land rolling. and level.

Soil 2nd rate

Vegetation Bunchgrass & Sagebrush.

North between sections 27-28

Variation 15°40' East.

.50 Cross Wash, 100 lks. wide, Course N.W. and ascend.

27.00 Top of Ridge, bears N.W. and S.E.

32.00 Descend.

40.00 Set a Sand stone 10 x 8 x 4 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

43.00 Cross Gulch, 25 lks. wide, Course S.E. and ascend.

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

80.00 Set a Sand stone 14 x 8 x 4 ins. 7 ins. in the ground for Cor. to Secs. 21-22-27-28 marked with 2 notch on S. and 3 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

Land mountainous
Soil 2nd rate.
Timber of Pine,
Vegetation Bunchgrass.

East. on a random line between sections 22 & 27.
Variation 15°40' East.

9.00 Top of Ridge, bears N. and S.
12.00 Descend.
29.00 Cross Gulch, 25 lks. wide, Course S.E.
40.00 Set temporary ¼ sec. cor.
45.00 Cross Wash, 25 lks. wide, Course S.E. and lava timber.
80.57 Intersect N. & S. line, 25 lks. South of cor. to secs. 22-23-26-27 from which corner, I run S.89°49' W. on a true line between sections 22-27.
Variation 15°40' East.
40.29 Set a Stone stone 20 x 9 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

80.57 The corner to sections 21-22-27-28.

Land mountainous
Soil 2nd rate.
Timber of Pine,
Vegetation Bunchgrass.

North between sections 21-22.
Variation 15°40' East.

7.50 Top of Spur, bears N.W. and S.E. and descend.
24.00 Cross Gulch, 50 lks. wide, Course East, and ascend.
40.00 Set a Stone stone 14 x 10 x 4 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
61.00 Top of Divide, bears N.E. & S.E. and descend.
68.00 Cross Canon, 60 lks. wide, Course S.W. and ascend.
80.00 Set a Stone stone 12 x 12 x 6 ins. 8 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

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

East. on a random line between sections 15 & 22.
Variation 15° 40' East.

15.00 Cross Ravine, Course. N.E. and ascend.
32.00 Top of Ridge, bears N. and S. and descend.
40.00 Set temporary ¼ sec. cor.
60.00 Cross Ravine, Course. N.E. and ascend.
70.00 Top of Ridge, bears N. and S. and descend.
80.60 Intersect N. & S. line, 50 lks. South of cor. to secs. 14-15-22-23 from which corner, I run S 89° 39' W. on a true line between sections 15-22.
Variation 15° 40' East.
40.30 Set a Sand stone 15 x 12 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.
80.60 The corner to sections 15-16-21-22.

T. 31 N. R. 53 W. 6th P. M.

Chains.

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

North between sections 15-16
Variation 15° 40' East.

15.00 Top of Ridge, bears N.E. and S.W.
25.00 Descend.
40.00 Set a Sand stone 14 x 6 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.
55.00 Cross Ravine, Course. N.W. and ascend.
80.00 Set a Sand stone 22 x 5 x 4 ins. 16 ins. in the ground for Cor. to Secs. 10-9-15-16 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.

T. 31 N. R. 53 W. 6th P. M.

Ch Chains.

East. on a random line between sections 10 & 15.
Variation 15° 40' East.

15.00 Top of Ridge, bears N.W. & S.E., and descend.

25.00 Cross Ravine, Course. S.E., and ascend.

40.00 Set temporary ¼ sec. cor.

62.00 Top of Ridge, bears N.W. and S.E.

70.00 Descend.

80.51 Intersect N. & S. line, 12 lks. North of cor. to secs. 10-11-14-15 from which corner, I run N 89° 55' W. on a true line between sections 10-15
Variation 15° 40' East.

40.~~76~~ 26 Set a Sand stone 24 x 8 x 8 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.

80.51 The corner to sections 9-10-15-16.

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 recording apparatus, and found them correct. Aug. 23, 1882

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 9-10
Variation 15° 40' East.

19.75 Cross Gulch, 30 lks. wide, Course N.E. and ascend.

29.00 Top of Ridge, bears E. and W.

40.00 Set a Sand stone 14 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 15 ins. diam. bears N.E., 20 lks. dist. marked ¼ S. B. T.

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

71.00 Cross Canon, 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. 3-4-9-10 marked T. 31 N. S. 3 on N. E., R. 53 W. S. 10 on S. E., S. 9 on S. W. and S. 4 on N. W. face, 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 around post. Set 14.00 lks. above.

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

T. 31 N. R. 53 W. 6th P. M.

Chains.

East. on a true line between sections 3-10

Va. 15° 40' East.

12.50 Cross Canon, ~~1½ 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 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.

54.00 Foot of Ridge, bears N.W. and S.
and bare Pine timber, bs. N.W. & S.E.

59.76 Intersect Boundary line of H. Robinson Mil. Res., at a point which bears N. 38½ W., 3.62 chs. from 32nd M.P., &

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Secs. 3 and 10 marked C. C. T. 31 N. R. 53 W., on W. S. 3 on N. and S. 10 on S. faces, with 4 notches on W. and 2 notches on E. faces, dug pits 18 x 18 x 12 ins. N., S. & W. of post, 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North on a random line between sections 3 & 11

Variation 15° 40' East.

15.00 Foot of Ridge, bears E. and W.

40.00 Set temporary ¼ sec. cor.

48.00 Cross Soldier Creek, 15 lks. wide, Course East,

49.50 cross Hat Creek & H. Robinson Road, bears E. and W.

56.50 Telegraph line bears E. and W.

79.30 Intersect N.B. of Tp. 11 lks. West of cor. to secs. 3-11-33-34 from which corner, I run S. 15 W. on a true line, between sections 3-4

Variation 15° 40' East.

39.30 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.

79.30 The corner to sections 3-4-9-10

Land level.
Soil 2nd rate
Vegetation, Bunchgrass.

T. 31 N. R. 53 W. 6th P. M.

Chains.

From the corner to sections, 2 - 3 - 36 - 35, on the North Boundary, Sum

South on a true line between sections 2 - 1

Va. 15° 45' East.

Descend.

16.00 Foot of Ridge, bears N.E. & W. and ascend.

21.45 Intersect Boundary line of Ft. Robinson Mil. Res. at a point 3.82 chs. East of 22nd M.P., and

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Secs. 1 and 2 marked C.C. T.31N. R.53W., on N. S. 1 on E., and S. 2 on W. faces, with 1 notch on E. and 5 notches on N. faces, dug pits 18 x 18 x 12 ins. N. & W. of post, 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.

Land Rolling.

Soil 3rd rate.

Timber of Pine.

Vegetation Bunchgrass.

T. 31 N. R. 53 W. 6th P. M.

Chains.

From the corner to sections, 2 - 3 - 34 - 35, on the North Boundary, Sum

South on a true line between sections 2 - 3.

Va. 15° 45' East.

Descend.

13.30 Intersect Boundary line of Ft. Robinson Mil. Res. at a point which bears N. 49° E., 9.77 chs. dist. from 29th M.P., &

Set a Sand stone 15 x 8 x 4 ins. 16 ins. in the ground for Closing Cor. to true Secs. 2 and 3 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. N. 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 & Sagebrush.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 32 – 33
	Variation 15° 10' East.
	Through Timber.
6.50	Cross Creek, 10 lks. wide, Course N.W.
11.00	Cross Road, bears, E. and W.
21.00	Cross Creek, 10 lks. wide, Course N.E.
28.75	Same Cross White Pine, 125 lks. wide, Course N.E.
35.00	Leave timber, bears N.E. and S.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.
55.00	Cross Gulch, 15 lks. wide, Course S.E. and ascend.
76.00	Top of Divide, bears N.E. and S.W.
80.00	Set a Sand stone 12 x 12 x 6 ins. 8 ins. in the ground for Cor. to Secs. 28-29-32-33 marked with 1 notch on S. and 1 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 28 & 33
	Variation 15° 10' East.
11.50	Cross Road, bears, N.W. and S.E.
15.00	Cross Creek, 5 lks. wide, Course S.E. and enter Pine Timber.
40.00	Set temporary ¼ sec. cor.
70.00	Cross Wash, 10 lks. wide, Course S.E.
80.51	Intersect N. & S. line, 5 lks. South of cor. to secs. 27-28-33-34 from which corner, I run S. 59° 58' W. on a true line between sections 28 – 33.
	Variation 15° 10' East.
40.~~76~~ 26	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.
80.51	The corner to sections 28-29-32-33.
	Land Rolling.
	Soil 3rd rate.
	Timber of Pine.
	Vegetation Bunchgrass.
	Aug. 24, 1882.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 28 - 29

Variation 15° 40' East.

15.75 Cross Creek, 3 lks. wide, Course S.E. and enter Pine timber.

20.00 Cross Road, bears, N.W. and S.E. and ascend.

40.00 Set a Sand stone 12 x 8 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., E. and W. 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 West, 22 lks. dist. marked ¼ S. B. T.

A Pine 6 ins. diam. bears East, 15 lks. dist. marked ¼ S. B. T.

62.00 Top of Divide, bears E. and W.

80.00 Set a Sand stone 12 x 8 x 4 ins. 8 ins. in the ground for Cor. to Secs. 20-21-28-29 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. from which

A Pine 15 ins. diam. bears West, 6 lks. dist. marked T. 31 N. R. 53 W., S., B. T.

T. 31 N. R. 53 W. 6th P. M.

Chains.

A Pine 12 ins. diam. bears South, 5 lks. dist. marked T. 31 N. R. 53 W., S., B. T.

Land mountainous and 62.00 Chs. 18.00 Chs. flat.

Soil 3rd rate.

Timber of Pine.

Vegetation Bunchgrass.

East. on a random line between sections 21 & 28

Variation 15° 40' East.

5.00 Top of Divide, bo. N. & S. and descend.

40.00 Set temporary ¼ sec. cor.

51.00 Cross Canon, 30 lks. wide, Course N.E. and ascend.

80.21 Intersect N. & S. line, 67 lks. S. of cor. to secs. 21-22-27-28 from which corner, I run S. 89° 31' W. on a true line between sections 21 - 28.

Variation 15° 40' East.

40.12 Set a Sand stone 12 x 6 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.

80.25 The corner to sections 20-21-28-29.

T. 31 N. R. 53 W. 6th P. M.

Chains.

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

North between sections 20-21.
Variation 15°40' East.

7.00 Descend.

22.00 Cross Ravine, Course. East and ascend.

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.

45.00 Top of Ridge, bears E. and W.

50.00 Descend.

60.00 Cross Canon, 30 lks. wide, Course East and ascend.

80.00 Set a Sand stone 24 x 20 x 4 ins. 18 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

Land 68.00 chs. mountainous and 12.00 chs. flat.
Soil 2nd rate.
Timber of Pine.
Vegetation Bunchgrass.

East. on a random line between sections 16 & 21
Variation 15°40' East.

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

36.00 Cross Canon, lks. wide, Course S.E. and ascend.

40.00 Set temporary ¼ sec. cor.

60.00 Top of Ridge, bears N.E. & N.W. and descend.

80.44 Intersect N. & S. line, 49 lks. South of cor. to secs. 15-16-21-22 from which corner, I run S. 39° ~~40~~ 39' W. on a true line between sections 16-21
Variation 15°40' East.

40.22 Set a Sand stone 22 x 18 x 3 ins., 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.44 The corner to sections 16-17-20-21.
Land mountainous Vegetation Bunchgrass.
Soil 3rd rate.
Timber of Pine.

T. 31 N. R. 53 W. 6th P. M.

Chains.

North between sections 16-17

Variation 15° 40' East.

Along S.W. slope,

14.00 Set a Sand stone 12 x 12 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.

from which

A Pine 18 ins. diam. bears S 65° W., 26 lks. dist. marked ¼ S. B. T.

52.00 Top of Divide, bears N.W. and S.E.

55.00 Descend.

76.00 Cross Canon, 50 lks. wide, Course N.W. 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. 53 W., S. 16 on S. E., S. 17 on S. W and S. 8 on N. W. face, 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 around post.

T. 31 N. R. 53 W. 6th P. M.

Chains.

Land mountainous

Soil 3rd rate.

Timber of Pine,

Vegetation Bunchgrass.

East. on a random line between sections 9 & 16

Variation 15° 40' East.

32.00 Top of Divide, bears N. & S.

30.00 Descend.

40.00 Set temporary ¼ sec. cor.

63.00 Cross Ravine, Course. N.E. and ascend.

80.50 Intersect N. & S. line, 60 lks. South of cor. to secs. 9-10-15-16, from which corner, I run S. 59° 34' W. on a true line between sections 9-16,

Variation 15° 40' East.

16.25 Set a Sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.50 The corner to sections 8-9-16-17

Land mountainous. Timber of Pine. and 8.00 chs. flat.

Soil 3rd rate

Vegetation, Bunchgrass. Aug. 25, 1882.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	West. on a true line between sections 8 - 17
	Va. 15° 40' East.
	Descend
7.50	Cross Canon, 50 lks. wide, Course N.W., and ascend
35.00	Cross Gulch, 100 lks. wide, Course North, and ascend
37.50	Internal Boundary line of Ft. Robinson Wood Reservation, 12 lks. North of 21st Mile Post, and
	Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Secs. 8 and 17 marked C.C., T. 31 N. R. 53 W., on E. S. 8 on N and S. 17 on S. faces, with 5 notches on E and 1 notch on W faces, dug pits 18 x 18 x 12 ins. N. & S. of post, 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 8 - 9.
	Variation 15° 46' East.
20.00	Top of Ridge, bears N.E. and S.W.
23.00	Descend.
37.50	Cross Gulch, 5 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.
	A Pine 5 ins. diam. bears North, 20 lks. dist. from which marked ¼ S. B. T.
65.00	Top of Divide, bears N.W. and S.E.
	Descend.
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. 53 W., S. 9 on S. E., S. 8 on S. W. and S. 5 on N. W. face, with 5 notches on S. and 4 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	from which

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	A Pine 4 ins. diam. bears S. 10° E., 14 lks. dist. marked T. 31 N. R. 53 W. S., 9 B. T.
	A Pine 6 ins. diam. bears S. 10° W., 13 lks. dist. marked T. 31 N. R. 53 W. S., 8 B. T.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation Bunchgrass.
	East. on a random line between sections 4 & 9
	Variation 15° 10' East.
14.25	Cross Gulch, 100 lks. wide, Course N.W. and ascend.
19.00	Top of Ridge, bears N. & S.
23.00	Descend.
40.00	Set temporary ¼ sec. cor.
42.00	Cross Ravine, Course. North and ascend.
65.00	Top of Ridge, bears N. & S. and descend.
80.40	Intersect N. & S. line, 14 lks. South of cor. to secs. 3-4-9-10 from which corner, I run
	S. 89° 58' W. on a true line between sections 4-9
	Variation 15° 15' East.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
40.20	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.
80.40	The corner to sections 4-5-8-9.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation, Bunchgrass.
	West. on a true line between sections 5-8
	Va. 15° 10' East.
5.00	Top of Ridge, bears N.W. and S.E.
13.00	Descend.
38.59	Intersect Boundary line of H. Robinson road Res. 30 lks. North of 23rd M.P.Q
	Set a Sand stone 24 x 8 x 8 ins. 18 ins. in the ground for Closing Cor. to Secs. 5 and 8 marked C. C. with 5 notches on E. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. S. E., and N. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.

T. 31 N. R. 53 W. 6th P. M.

Chains.

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

North on a random line between sections 4 & 5
Variation 15° 40' East.

17.00 Descend Cross Canon, 100 lks. wide, Course N.W. and ascend

40.00 Set temporary ¼ sec. cor.

50.00 Foot of Ridge, bears E. & W.

56.00 Cross Road, bears, E. and W.

66.00 Soldier Cross Creek, 15 lks. wide, Course East.

68.00 Leave Timber, bears E. & W.

73.00 Cross Road, bears, E. and W.

80.19 Intersect N.B. of Tp. 31 lks. West of cor. to secs. 5-4-32-33 from which corner, I run S. 13' W. on a true line, between sections 4-5
Variation 15° 45' East.

40.10 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.

T. 31 N. R. 53 W. 6th P. M.

Chains.

80.19 The corner to sections 4-5-8-9.
Land 50.00 Chs. mountainous and 30.19 Chs. Rolling.
Soil 3rd rate.
Timber of Pine,
Vegetation Bunchgrass.

North between sections 31-32
Variation 15° 45' East.

3.50 Cross Ft. Laramie & Robinson Road, bears N.E. and S.W.

37.00 Cross Ravine, Course. S.E. and ascend.

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

62.00 Cross Ravine, Course. S.W.

80.00 Set a Sand stone 34 x 32 x 10 ins. 25 ins. in the ground for Cor. to Secs. 29-30-31-32 marked with 1 notch on S. and 5 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	Land mountainous Soil 3rd rate. Timber of Pine. Vegetation Bunchgrass.
	East. on a random line between sections 29 & 32. Variation 15° 50' East.
8.00	Top of Ridge, bears N.E. and N.W. and descend.
40.00	Set temporary ¼ sec. cor.
52.00	Cross Ravine, Course. North and ascend.
58.00	Top of Butte, bears S.E. & S.W. and descend.
70.00	Foot of same.
80.26	Intersect N. & S. line, 42 lks. South of cor. to secs. 28-29-32-33 from which corner, I run
	S.89° 42' W. on a true line between sections 29-32. Variation 15° ~~40'~~ 50' East.
40.13	Set a Sand stone 13 x 11 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.
80.26	The corner to sections 29-30-31-32.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
	Land mountainous Soil 3rd rate. Timber of Pine. Vegetation Bunchgrass. Aug. 26, 1882.
	West. on a random line between sections 30 & 31 Variation 15° 50' East.
5.00	Top of Ridge, bears N.E. and S.W. and descend.
12.00	Offset 6.00 chs. North to avoid deep Cañon.
35.00	Foot of Ridge, bears N.E. & S.W.
40.00	Offset 6.00 chs. South to line and
	Set temporary ¼ sec. cor.
44.00	Descend. West Slope
79.00	Cross Ravine, Course. N.E. and S.W. and ascend.
80.15	Intersect N.B. of Tp. 40 lks. South of cor. to secs. 25-30-31-36 from which corner, I run
	S.89° 43' E. on a true line, between sections 30-31. Variation 15° ~~40'~~ 50' East.
40.15	Set a Sand stone 5 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.

T. 3 N. R. 53 W. 6th P. M.

Chains.

80.15 The corner to sections 29-30-31-32,

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

North between sections 29-30
Variation 15°50' East.

3.00 Top of Ridge, bears E. and W.

10.00 Descend.

39.50 Cross Ravine, Course. East, and ascend.

40.00 Set a Sand stone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, from which 3½ ft. base.

A Pine 10 ins. diam. bears S.W., 15 lks. dist. marked ¼ S. B. T.

A Pine 12 ins. diam. bears S. 40° E., 18 lks. dist. marked ¼ S. B. T.

65.00 Cross Ravine, Course. S. E. and ascend.

T. 3 N. R. 53 W. 6th P. M.

Chains.

80.00 Set a Sand stone 24 x 16 x 6 ins. 15 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

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

East. on a random line between sections 20 & 29
Variation 15°50' East.

Ascend,

8.00 Top of Ridge, bears N.W. and S.E. and

Descend.

40.00 Set temporary ¼ sec. cor.

42.00 Cross Ravine, Course. S.E. and ascend.

60.00 Top of Spur, bears N. and S. and descend.

71.00 Cross Ravine, Course. S.W. 16 lks. and ascend.

76.30 Intersect N. & S. line, South of cor. to secs. 20-21-28-29 from which corner, I run S. 89° 56' W. on a true line between sections 20-29.
Variation 15° ~~44'~~ 50' East.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
40.15	Set a Sand stone 19 x 13 x 3 ins., 14 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.
80.30	The corner to sections 19-20-29-30.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation Bunchgrass.
	West. on a random line between sections 19 & 30
	Variation 15°30' East.
8.00	Cross Ravine, Course. South and ascend.
29.00	Top of Spur, bears N.E. and S.W. and descend.
33.00	Cross Ravine, Course. S.E. and ascend.
40.00	Set temporary ¼ sec. cor.
41.00	Scar timber bears N. & S.
52.00	Top of Divide bears N. & S.
79.93	Intersect W. B. of Tp. 33' lks. North of cor. to secs. 19-24-25-30 from which corner, I run N. 89° 46' E. on a true line, between sections 19-30
	Variation 15° ~~40~~ 50' East.

T. 31 N. R. 53 W. 6th P. M.

Chains.	
39.93	Set a Sand stone 16 x 12 x 3 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.
79.93	The corner to sections 19-20-29-30
	Land mountainous 52.50 chs. and 27.93 chs. flat.
	Soil 3rd rate.
	Timber of Pine.
	Vegetation Bunchgrass.
	North between sections 19-20
	Variation 15°50' East.
9.00	Top of Spur, bears E. and W.
17.00	Descend.
38.00	Cross Ravine, Course. East. and ascend.
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. from which

T. 31 N. R. 53 W. 6th P. M.

Chains.

21 Pine 24 ins. diam. bears N. 20° E., 16 lks. dist. marked ¼ S. B. T.

45.50 Cross Ravine, Course. East, and ascend.

51.00 Cross Ravine, Course. S.E., and ascend.

61.00 Cross Ravine, Course. S.W. and ascend.

80.00 Set a Sand stone 24 x 20 x 6 ins. 18 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 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.

Aug. 28, 1882.

T. 31 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 17 & 20

Variation 15° 45' East.

16.00 Cross Ravine, Course. S.W. and ascend.

36.00 Top of Divide, bo. N.W. and S.E.

40.00 Set temporary ¼ sec. cor.

43.00 Descend.

70.00 Cross Ravine, Course. North and ascend.

80.56 Intersect N. & S. line, 40 lks. South of cor. to secs. 16-17-20-21 from which corner, I run S. 89° 43' W. on a true line between sections 17-20

Variation 15° 45' East.

40.28 Set a Sand stone 8 x 8 x 4 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.56 The corner to sections 17-18-19-20

Land mountainous

Soil 3rd rate.

Timber of Pine,

Vegetation, Bunchgrass.

T. 31 N. R. 55 W. 6th P. M.

Chains.

West. on a random line between sections 18 & 19

Variation 15° 45' East.

8.00 Cross Ravine, Course. South and ascend.

30.00 Top of Ridge, bears N.E. and S.W. and descend.

36.00 Cross Canon, Course S. and ascend.

40.00 Set temporary ¼ sec. cor.

46.00 Leave timber, bears N.E. and S.W.

70.00 Top of Divide, bears N.E. and S.W.

80.50 Intersect N.B. of Tp. 20 lks. North of cor. to secs. 13-18-19-24 from which corner, I run N.89° 57' E., on a true line, between sections 18-19

Variation 15° 45' 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 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. from which a Pine 14 ins. diam. bears N. 10° E., 60 lks. dist. marked ½ S. B. T.

80.50 The corner to sections 17-18-19-20.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation Bunchgrass.

T. 31 N. R. 55 W. 6th P. M.

Chains.

North between sections 17-18

Variation 15° 45' East.

20.00 Leave timber

40.00 Set a Sand stone 16 x 12 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., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

45.00 Top of Divide between White River and Soldier Creek, bears E. & W.

64.32 Intersect Boundary line of Ft. Robinson Wood Reservation at a point 19.05 chs. West of 19th M.P.

Set a Sand stone 18 x 8 x 6 ins. 12 ins. in the ground for Closing Cor. to Secs. 17 and 18 marked C. C. with 5 notches on E. and 4 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 3rd rate

Vegetation Bunchgrass.

Aug. 29, 1882.

T. N. R. W. 6th P. M.

General Description.

Chains.

T. 31 N., R. 53 W., is mountainous for the most part, and contains some valuable timber land. It is partly covered by the Fort Robinson Military and Wood Reservations.

Soldier Creek and White River furnish abundance of water. The soil is 2nd and 3rd rate and a considerable portion of the tillable land will produce good crops without irrigation. Corn, and all vegetables are successfully grown.

There are several well improved Ranches in the Tp.

U. S. Surveyor General's Office

Plattsmouth Neb. Feb. 5th 1883

The foregoing field Notes of the Survey of the Subdivisional lines of Fractional Township 31 North, Range 53 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 August 1882 having been critically examined, the necessary corrections & explanations made, the said field Notes & the Surveys they describe are hereby approved.

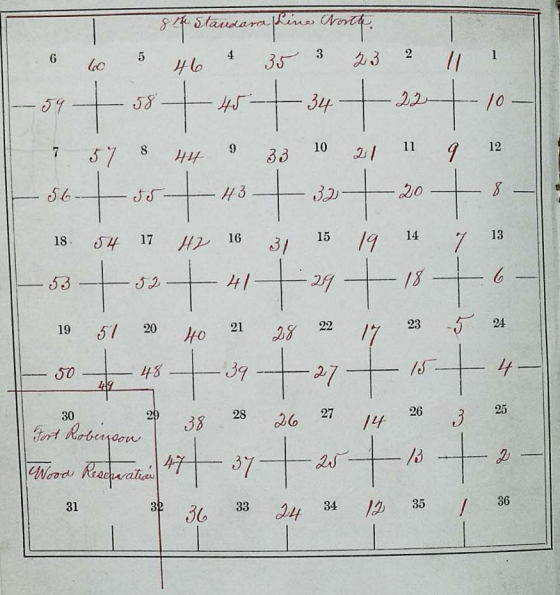
Geo. S. Smith
Surveyor General

Field Notes
of
T. 32 N. R. 53 W.

By
Charles Buchanan

Dated Contract Nov. 11 1881
Special Deposit No. 3.

Township 32 North, Range 53 West
6th Principal Meridian.



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

1

T. 32 N. R. 53 W. 6th P. M.

Chains.

From the corner to sections, 35, 36, 1 and 2 on North boundary of Tp, 1 mile North between sections 35 and 36.

Variation 15° 40' East.

7.00 Cross Ravine, Course. N. E. and ascend.

17.00 Top of Divide bears E. and N. W.

20.00 Descend. N. and N. E. slope of Divide.

40.00 Set a Sand stone 22 x 12 x 10 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.

from which

A Pine 10 ins. diam. bears N. 15° E., 46 lks. dist. marked ¼ S. B. T.

40.50 Cross Ravine, Course. E. and ascend.

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

60.00 Cross Ravine, Course. N. E. and ascend.

80.00 Set a Sand stone 16 x 12 x 14 ins. 11 ins. in the ground for Cor. to Secs. 25, 26, 35 and 36, marked 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.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	Land mountainous
	Soil 2nd rate.
	Timber of Pine and
	Vegetation of Bunchgrass.
	East. on a random line between sections 25 & 36.
	Variation 15° 35′ East.
	Descend.
7.00	Cross Ravine, Course. N.E.
15.00	Leave timber, bears N. and S.E.
40.00	Set temporary ¼ sec. cor.
54.00	Cross Road, bears, N.W. and S.E.
80.15	Intersect E. B. of Tp. 33 - lks. North of cor. to secs. 25, 30, 31 & 36, from which corner, I run N. 89° 46′ W. on a true line, between sections 25 and 36.
	Variation 15° 35′ East.
40.07	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.
80.15	The corner to sections 25, 26, 35 and 36.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	Land mountainous
	Soil 2nd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.
	North between sections 25 and 26.
	Variation 15° 35′ East.
	Descend.
25.00	Cross Creek, 6 lks. wide, Course N. 70° E. and ascend.
28.50	Cross Road, bears, E. and W.
40.00	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., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
52.00	Top of Spur, bears E. and W. and descend.
70.00	Cross Ravine, Course. E. and ascend.
75.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 15 x 10 x 4 ins. 10 ins. in the ground for Cor. to Secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

T. 32 N. R. 53 W. 6th P. M.

Chains.

from which

A Pine 16 ins. diam. bears N. 45° E., 96 lks. dist.
marked T. 32 N. R. 53 W, S., 25 B. T.
A Pine 12 ins. diam. bears N. 45° W., 44 lks. dist.
marked T. 32 N. R. 53 W, S., 23 B. T.
Land mountainous
Soil 2nd rate.
Timber of Pine.
Vegetation of Bunchgrass.

East. on a random line between sections 24 & 25.
Variation 15° 35' East.

10.00 Leave timber, bears N. and S.
17.00 Cross Ravine, Course. S. E.
40.00 Set temporary ¼ sec. cor.
80.06 Intersect E. B. of Tp. 30 lks. South of cor. to secs. 19, 24, 25 & 30, from which corner, I run S. 89° 47' W. on a true line, between sections 24 and 25.
Variation 15° 35' East.
140.03 Set a Sand stone 24 x 8 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

T. 32 N. R. 53 W. 6th P. M.

Chains.

5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.06 The corner to sections 23, 24, 25 and 26.
Land mountainous
Soil 2nd rate.
Timber of Pine.
Vegetation of Bunchgrass.

North between sections 23 and 24.
Variation 15° 35' East.

8.00 Cross Ravine, Course. S. E. and ascend.
35.00 Top of Spur, bears E. and W. and descend.
40.00 Set a Sand stone 18 x 12 x 6 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.
58.00 Wash descends S. E. Leave timber and ascend.
75.00 Top of Ridge, bears N. E. and S. W.
80.00 Set a Sand stone 22 x 10 x 8 ins. 16 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges, dug pits

T. 32 N. R. 53 W. 6th P. M.

Chains.

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 of Bunchgrass.

East. on a random line between sections 13 & 24.
Variation 15° 45' East.

3.50 Top of Ridge, bears N.E. and S.W. and descend.
20.00 Bottom of Ridge and enter rolling prairie.
40.00 Set temporary ¼ sec. cor.
79.86 Intersect E. B. of Tp. 36 lks. South of cor. to secs. 13, 18, 19 and 24, from which corner, I run S. 89° 45' W. on a true line, between sections 13 and 24.
Variation 15° 45' East.
39.93 Set a Sand stone 15 x 11 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.
79.86 The corner to sections 13, 14, 23 and 24.

T. 32 N. R. 53 W. 6th P. M.

Chains.

Land rolling.
Soil 2nd rate
Vegetation of Bunchgrass.

North between sections 13 and 14.
Variation 15° 45' East.

10.00 Descend. Ridge bears N.E. and S.W.
30.00 Bottom of Ridge, bears N.E. and S.W.
40.00 Set a Sand stone 18 x 10 x 6 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.
42.00 Cross Creek, 5 lks. wide, Course E.
73.00 Cross Creek, 10 lks. wide, Course E. Little Cottonwood
80.00 Set a Sand stone 20 x 10 x 3 ins. 15 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14, marked with 4 notch 50 on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
Land rolling.
Soil 2nd rate
Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 12 & 13.

Variation 15° 35′ East.

Ascend.

20.00 Top of Ridge, bears N.E. and N.W.

40.00 Set temporary ¼ sec. cor.

79.91 Intersect E. B. of Tp. 43 lks. South of cor. to secs. 7, 12, 13 and 18, from which corner, I run N. 89° 42′ W. on a true line, between sections 12 and 13.

Variation 15° 35′ East.

39.95 Set a Sand stone 26 x 10 x 3 ins., 19 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.

79.91 The corner to sections 11, 12, 13 and 14.

Land rolling.

Soil 2nd rate

Vegetation of Bunchgrass.

June 6th 1882.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 11 and 12.

Variation 15° 35′ East.

1.00 Ascend.

35.00 Top of Ridge, bears N.W. and S.E.

37.00 Descend. N.E. slope.

40.00 Set a Sand stone 15 x 8 x 4 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.

52.00 Foot of Ridge, bears E. and W.

80.00 Set a Sand stone 20 x 18 x 6 ins. 15 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12, marked with 5 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land broken.

Soil 2nd rate

Vegetation of Bunchgrass and Cactus.

T. 32 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 1 & 12.
Variation 15° 35' East.

10.00 Bottom of Bluff, bears N. and S.

40.00 Set temporary ¼ sec. cor.

75.00 Wash, course N.E.

79.85 Intersect E. B. of Tp. 48 lks. South of cor. to secs. 1, 6, 7 and 12, from which corner, I run S. 89° 37' W. on a true line, between sections 1 and 12.
Variation 15° 35' East.

39.92 Set a Sand stone 14 x 14 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.

79.85 The corner to sections 1, 2, 11 and 12.

Land rolling.
Soil 2nd rate
Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North on a true line between sections 1 and 2.
Va. 15° 35' East.

28.00 Top of Ridge, bears N.E. and S.W. and descend.

40.00 Set a Sand stone 16 x 8 x 5 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 Bottom of Bluff, bears E. and W.

68.00 Cross Wash, 100 lks. wide, Course N.E.

81.43 Intersect the 8th Standard Parallel North at a point 3.90 chs. East of the Standard Cor. to Secs. 31 and 36. T. 33 N. R. 52 & 53 W., at which point I.

Set a Sand stone 20 x 12 x 3 ins. 15 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 Balance Rolling
upon chs.
Soil 2nd rate.
Timber of Pine.
Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 34 and 35.

Variation 15° 40' East.

Ascend.

20.00 Enter timber, bears N.W. and S.E.

29.00 Top of Spur, bears N.E. and S.W. and descend.

40.00 Set a Sand stone 16 x 14 x 5 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.

53.00 Cross Ravine, Course. S.W. and ascend.

78.00 Top of Ridge, bears N.W. and S.E.

80.00 Set a Sand stone 22 x 10 x 5 ins. 16 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 rate.

Timber of Pine.

Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 26 & 35

Variation 15° 45' East.

2.00 Top of Divide bears N.W. and S.E. and descend.

5.00 Cross Ravine, Course. N.E. and ascend.

11.50 Top of Spur, bears N. and S. and descend.

22.00 Cross Ravine, Course. N.E. and ascend.

30.50 Top of Spur, bears N. and S. and descend.

40.00 Set temporary ¼ sec. cor.

58.00 Cross Ravine, Course. N. and ascend.

68.00 Top of Spur, bears N. and S. and descend.

80.30 Intersect N. & S. line, 20 lks. South of cor. to secs. 25, 26, 35 & 36, from which corner, I run S. 89° 51' W. on a true line between sections 26 & 35.

Variation 15° 45' East.

40.15 Set a Sand stone 14 x 12 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

A Pine 16 ins. diam. bears S. 54 lks. dist. from which marked ¼ S. B. T.

80.30 The corner to sections 26, 27, 34 and 35.

T. 32 N. R. 53 W. 6th P. M.

Chains.

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

North between sections 26 and 27.
Variation 15° 45' East.

2.00 Top of Divide, bears N. W. and S. E. and descend.
10.00 Cross Ravine, Course. N. E. and ascend.
20.00 Top of Spur, bears N. E. and S. W. and descend.
40.00 Set a Sand stone 14 x 8 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which
A Pine 12 ins. diam. bears S. 40° W., 106 lks. dist. marked ¼ S. B. T.
47.00 Cross Ravine, Course. E. and ascend.
60.00 Top of Spur, bears E. and W. and descend.
74.00 Cross head of Creek, course E. and ascend.
80.00 Set a Sand stone 20 x 12 x 4 ins. 15 ins. in the ground for Cor. to Secs. 22, 23, 26 & 27, marked

T. 32 N. R. 53 W. 6th P. M.

Chains.

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 rate.
Timber of Pine and
Vegetation of Bunchgrass.

East. on a random line between sections 23 & 26.
Variation 15° 45' East.

Along E. and S. E. slope.
4.00 Cross Ravine, Course. S. and ascend.

24.00 Top of Spur, bears N. and S. and descend.
35.00 Cross Ravine, Course. S. E. and ascend.
40.00 Set temporary ¼ sec. cor.
43.00 Top of Spur, bears N. and S. and descend.
58.00 Cross Ravine, Course. N. E. and ascend.
80.56 Intersect N. & S. line, 13 lks. South of cor. to secs. 23, 24, 25 & 26, from which corner, I run
S. 89° 54' W. on a true line between sections 23 & 26.
Variation 15° 45' East.

T. 32 N. R. 53 W. 6th P. M.

Chains.

40.28 Set a Sandstone 15 x 12 x 3 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.

from which

A Pine 9 ins. diam. bears S. 45° W., 34 lks. dist. marked ¼ S. B. T.

A Pine 13 ins. diam. bears N. 30° E., 30 lks. dist. marked ¼ S. B. T.

80.56 The corner to sections 22, 23, 26 and 27.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 22 and 23.

Variation 15° 45' East.

12.50 Top of Divide, bears E. and W.

15.00 Descend. N. slope.

29.00 Cross Ravine, Course. N. W. and ascend.

40.00 Set a Sandstone 16 x 10 x 8 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.

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

62.00 Cross Creek, 5 lks. wide, Course N. W. and ascend.

80.00 Set a Sandstone 20 x 12 x 3 ins. 15 ins. in the ground for Cor. to Secs. 14, 15, 22 and 23, marked with 3 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

from which

A Pine 9 ins. diam. bears East 20 lks. dist. marked T. 32 N. R. 53 W. S., 23 B. T.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 14 & 23.
Variation 15° 45' East.

7.00 Top of Ridge, bears N. and S.

10.00 Leave timber, bears N. and S. and descend.

21.00 Cross Ravine, Course. N. W. and ascend.

40.00 Set temporary ¼ sec. cor.

70.00 Top of Ridge, bears N. E. and S. W.

80.36 Intersect N. & S. line, 27 lks. North of cor. to secs. 13, 14, 23 and 24, from which corner, I run N. 89° 48' W. on a true line between sections 14 and 23.
Variation 15° 45' East.

40.18 Set a Sand stone 18 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.

80.36 The corner to sections 14, 15, 22 and 23.
Land mountainous
Soil 2nd rate.
Timber of Pine.
Vegetation of Bunchgrass.
I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
June 7th 1882

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 14 and 15.
Variation 15° 45' East.

5.00 Leave timber, bears N. W. and S. E.

30.00 Top of Ridge, bears N. W. and S. E. and descend.

40.00 Set a Sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

58.00 Cross Creek, 5 lks. wide, Course N. E.

79.00 Enter timber, bears N. E. and S. W.

80.00 Set a Sand stone 20 x 10 x 5 ins. 15 ins. in the ground for Cor. to Secs. 10, 11, 14 and 15, marked with 4 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
from which
A Pine 11 ins. diam. bears S. 85° W., 58 lks. dist.
marked T. 32 N., R. 53 W., S., 15 B. T.
Land 58.00 lks. mountainous and 22.00 lks. level.
Soil 2nd rate.
Timber of Pine.
Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

East. on a random line between sections 11 & 14.

Variation 15° 45' East.

3.00 Little Cottonwood Cross Creek, 15 lks. wide, Course S.E.

12.00 Little Cottonwood Cross Creek, lks. wide, Course N.E.

18.00 Little Cottonwood Cross Creek, 20 lks. wide, Course S.E. and ascend.

20.00 Top of high bank and ascend.

35.00 Lean timber. Top of Bluff, bears N.W. and S.E.

40.00 Set temporary ¼ sec. cor.

45.00 Descend. Bluff, bears N.E. and S.W.

70.00 Cross Ravine, Course. S. and ascend.

80.30 Intersect N. & S. line, 20 lks. North of cor. to secs. 11, 12, 13 and 14, from which corner, I run N. 89° 51' W. on a true line between sections 11 and 14.

Variation 15° 45' East.

40.15 Set a Sand stone 24 x 10 x 4 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.

80.30 The corner to sections 10 11, 14 and 15.

Land mountainous and 20.00 chs. level.

60.30 chs.

Soil 2nd rate.

Timber of Pine.

Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 10 and 11.

Variation 15° 45' East.

1.50 Little Cottonwood Cross Creek, 15 lks. wide, Course E. and ascend.

17.50 Precipice, 125 ft. high, bears E. and W.

29.00 Bottom of deep Cañon, bears S. 20° E. and ascend.

40.00 Set a Sand stone 20 x 12 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.

from which

A Cottonwood 12 ins. diam. bears S. 20° W., 100 lks. dist. marked ¼ S. B. T.

62.50 Top of Divide, bears E. and W. Leave timber.

65.00 Descend. N. slope of Divide.

80.00 Set a Sand stone 18 x 10 x 4 ins. 12 ins. in the ground for Cor. to Secs. 2, 3, 10 and 11, marked with 5 notches on S. and 2 notches on E. edges, dug pits 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 of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Ch Chains.	
	East. on a random line between sections 2 & 11. Variation 15° 45' East.
	Along N.E. slope.
38.00	Cross Ravine, Course. N. and ascend.
39.00	Enter timber bears N.E. and S.W.
40.00	Set temporary ¼ sec. cor.
65.00	Top of Divide bears N.E. and S.W.
72.00	Leave timber and descend. E. slope of Divide.
80.20	Intersect N. & S. line, 57 lks. South of cor. to secs. 1, 2, 11 and 12, from which corner, I run: S. 89° 36' W. on a true line between sections 2 and 11, Variation 15° 45' East.
40.10	Set a Sand stone 20 x 12 x 7 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
	A Pine 12 ins. diam. bears N. 45° W., 64 lks. dist. from which marked ¼ S. B. T.
	A Pine 11 ins. diam. bears S. 80° W., 23 lks. dist. marked ¼ S. B. T.
80.20	The corner to sections 2, 3, 10 and 11.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	73.21 chs. Land mountainous and 7.00 chs. level Soil 2nd rate. Timber of Pine. Vegetation of Bunchgrass.
	North on a true line between sections 2 and 3. Va. 15° 45' East.
34.00	Cross Gulch, 50 lks. wide, Course N.E. and ascend.
40.00	Set a Sand stone 14 x 14 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.
55.00	Top of Ridge, bears E. and W.
82.20	Intersect the 8th Standard Parallel North at a point 3.30 chs. East. of the Standard Cor. to Secs. 35 and 36. T. 33 N., R. 53 W. at which point I.
	Set a Sand stone 10 x 14 x 3 ins. 15 ins. in the ground for Closing Cor. to Secs. 2 and 3 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of

T. 32 N. R. 53 W. 6th P. M.

Chains.

stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.

Land rolling.

Soil 2nd rate

Vegetation of Bunchgrass.

North between sections 33 and 34.

Variation 15° 45' East.

7.50 Cross Trail, bears N.W. and 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.

52.00 Enter Pine timber, bears E. and W.

55.00 Cross Canon, 25 lks. wide, Course S.W. and ascend.

80.00 Set a Sand stone 14 x 12 x 8 ins. 9 ins. in the ground for Cor. to Secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

T. 32 N. R. 53 W. 6th P. M.

Chains.

Land 25.00 chs. mountainous balance Rolling

Soil 2nd rate.

Timber of Pine.

Vegetation of Bunchgrass.

East. on a random line between sections 27 & 34.

Variation 15° 40' East.

28.00 Top of high Divide, bears N. and S.

32.00 Descend. E. slope.

40.00 Set temporary ¼ sec. cor.

61.00 Cross Canon, 100 lks. wide, Course S. and ascend.

80.78 Intersect N. & S. line, 20 lks. South of cor. to secs. 26, 27, 34 & 35, from which corner, I run S. 89° 51' W. on a true line between sections 27 and 34.

Variation 15° 40' East.

40.39 Set a Sand stone 12 x 10 x 4 ins., 5 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.

80.78 The corner to sections 27, 28, 33 and 34.

T. 32 N. R. 53 W. 6th P. M.

Chains.

Land mountainous
Soil 3rd rate.
Timber of Pine,
Vegetation of Bunchgrass.
June 8th 1882.

North between sections 27 and 28.
Variation 15° 40' East.

20.00 Top of Spur, bears E. and descend.

31.00 Cross Canon, 300 lks. wide, Course S. W. and ascend.

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.

56.00 Top of Divide, bears N. W. and S. E.

56.00 Descend. steep rocky slope.

80.00 Set a Sand stone 12 x 8 x 4 ins. 8 ins. in the ground for Cor. to Secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges, 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.

T. 32 N. R. 53 W. 6th P. M.

Chains.

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

East. on a random line between sections 22 & 27.
Variation 15° 40' East.

10.00 Cross Canon, lks. wide, Course S. E.

16.50 Offset S. 7 chs. to avoid impassable precipices.

38.00 Top of S. end of precipice and descend.

40.00 Offset 7 chs. N. to random line and Set temporary ¼ sec. cor, at bottom of precipice, 3 ft. high, bears N. W. and S. E.

49.00 Offset N. 9.50 chs. to avoid impassable place in Canon. Thence East.

57.00 Cross Brook, 2 lks. wide, Course N. E. and ascend.

75.00 Offset S. 9.50 chs. to random line from S. end of precipice, bears N. E. and N. W.

80.58 Intersect N. & S. line, 31 lks. South of cor. to secs. 22, 23, 26 and 27, from which corner, I run S. 89° 47' W. on a true line between sections 22 and 27.
Variation 15° 49' East.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
40.29	Set a Sand stone 17 x 13 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.
80.58	The corner to sections 21, 22, 27 and 28.
	Land mountainous
	Soil 2nd rate.
	Timber of Pine and Cedar.
	Vegetation of Bunchgrass and Sagebrush.
	North between sections 21 and 22.
	Variation 15° 40' East.
3.00	Cross Ravine, Course. S.E. and ascend.
30.00	Top of Ridge, bears N.W. and S.E. and descend.
40.00	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., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
73.00	Cross Ravine, Course. N.W. and ascend.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
80.00	Set a Sand stone 16 x 14 x 10 ins. 11 ins. in the ground for Cor. to Secs. 15, 16, 21 and 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 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	East on a random line between sections 15 & 22.
	Variation 15° 50' East.
4.00	Top of Bluff, bears N.W. and S.E. and descend.
14.00	Foot of Bluff, bears N.W. and S.E.
26.00	Cross Ravine, Course. N.W. and ascend.
38.00	Top of Butte, bears N. and S. and descend.
40.00	Set temporary ¼ sec. cor.
44.00	Foot of Butte, bears N. and S.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
70.00	Cross Creek, 20 lks. wide, Course N. and ascend.
79.80	Intersect N. & S. line, 65 lks. South of cor. to secs. 14, 15, 22 and 23 from which corner, I run S. 89° 31' W. on a true line between sections 15 and 22. Variation 15° 50' East.
39.90	Set a Sand stone 16 x 8 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.
	from which A Pine 10 ins. diam. bears N. 60° E., 10 lks. dist. marked ¼ S. B. T.
79.80	The corner to sections 15, 16, 21 and 22.
	41.80 chs. Land mountainous and 38.00 chs broken.
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 15 & 16
	Variation 15° 50' East.
5.00	Top of Butte bears N. W. and S. E. and descend.
13.00	Foot of Butte, bears N. W. and S. E. and bears Pine timber, bears E. and 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.
52.00	To a point 1 ch. W. of large spring of pure water, a stream from Spring, flows N. E.
65.75	Cross Brook, 15 lks. wide, Course N. E.
80.00	Set a Sand stone 24 x 12 x 3 ins. 18 ins. in the ground for Cor. to Secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges, dug pits 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 13.00 chs. mountainous.
	Soil 2nd rate
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 10 & 15. Variation 15° 50' East.
9.00	Cross Brook, 10 lks. wide, Course N.E.
40.00	Set temporary ¼ sec. cor.
50.00	Enter Pine timber, bears N. and S.
77.00	Cross Brook, 2 lks. wide, Course N.E.
79.85	Intersect N. & S. line, 54 lks. South of cor. to secs. 10, 11, 14 and 15, from which corner, I run S. 89° 37' W. on a true line between sections 10 and 15. Variation 15° 50' East.
39.92	Set a Sand stone 20 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.
79.85	The corner to sections 9, 10, 15 and 16.
	Land rolling.
	Soil 2nd rate
	Vegetation of Bunchgrass.
	Timber of Pine.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 9 and 10. Variation 15° 51' East.
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.
40.70	Cross Creek (Ellanwood), 25 lks. wide, Course E.
80.00	Set a Sand stone 20 x 14 x 3 ins. 15 ins. in the ground for Cor. to Secs. 3, 4, 9 and 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 rolling.
	Soil 2nd rate
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 3 & 10.
	Variation 15° 50' East.
26.00	Ascend. W. side of Ridge and enter scattering Pine timber, bears N. and S.
40.00	Set temporary ¼ sec. cor.
44.00	Top of Ridge, bears N. and S. and descend.
79.76	Intersect N. & S. line, 63 lks. South of cor. to secs. 2, 3, 10 and 11, from which corner, I run S. 89° 33' W. on a true line between sections 3 and 10.
	Variation 15° 50" East.
39.88	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.
79.76	The corner to sections 3, 4, 9 and 10.
	Land mountainous 53.76 chs. and 26.00 chs. Rolling.
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North on a true line between sections 3 and 4.
	Va. 15° 50' East.
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.
81.00	Cross Wash, 100 lks. wide, Course N. E.
82.57	Intersect the 8th Standard Parallel North at a point 4.06 chs. East. of the Standard Cor. to Secs. 34 and 35. T. 33 N. R. 53 W. at which point I.
	Set a Sand stone 14 x 12 x 6 ins. 9 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 of Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. June 9th 1882.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 32 and 33.
	Variation 15° 45' East.
8.00	Telegraph line, bears N. W. and S. E.
40.00	Set a Sand stone 14 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.
60.00	Ascend. Bluff, bears N. W. and S. E.
70.00	Enter timber, bears E. and W.
75.00	Top of Ridge, bears S. E. and N. W.
78.00	Descend. N. E. slope of Ridge.
80.00	Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 28, 29, 32 and 33, marked T. 32 N, S. 28, on N. E., R 53 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 mountainous and 6.00 chs. Rolling.
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 28 & 33.
	Variation 15° 45' East.
32.00	Cross Ravine, Course. S. E. Descend and ascend.
40.00	Set temporary ¼ sec. cor.
50.00	Top of Spur, bears N. and S. and descend.
70.00	Cross Ravine, Course. S. and ascend.
80.63	Intersect N. & S. line, 35 lks. South of cor. to secs. 27, 28, 33 and 34, from which corner, I run S. 89° 45' W. on a true line between sections 28 and 33.
	Variation 15° 45' East.
40.31	Set a Sand stone 10 x 6 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.
80.63	The corner to sections 28, 29, 32 and 33.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	Timber of Pine.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 28 and 29.
	Variation 15° 45' East.
	Descend
19.00	Cross Ravine, Course. S. E. and ascend.
37.00	Top of Spur, bears E. and 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.
55.00	Cross Ravine, Course. S. E. and ascend.
80.00	Set a Sand stone 24 x 10 x 5 ins. 18 ins. in the ground for Cor. to Secs. 20, 21, 28 and 29, marked with 2 notches on S. and 4 notches on E. edges, 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 of Bunchgrass and Sagebrush.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 21 & 28.
	Variation 15° 45' East.
3.00	Top of Spur, bears N. and S. and descend.
22.00	Cross Ravine, Course. S. and ascend.
40.00	Set temporary ¼ sec. cor.
41.00	Top of Ridge, bears N. and S. and descend.
57.00	Cross Ravine, Course. N. and ascend.
63.00	Top of Spur, bears N. and S. and descend.
80.70	Intersect N. & S. line, 20 lks. North of cor. to secs. 21, 22, 27 and 28, from which corner, I run S. 89° 51' W. on a true line between sections 21 and 28.
	Variation 15° 45' East.
40.35	**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.
80.70	The corner to sections 20, 21, 28 and 29.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass and Sagebrush.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 20 and 21.
	Variation 15° 45' East.
13.00	Top of Divide, bears E. and W.
16.00	Descend. Divide bears E. and W.
35.00	Cross Ravine, Course. 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.
60.00	Top of Ridge, bears E. and W. and descend.
70.00	Cross Ravine, 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. 16, 17, 20 & 21, marked T. 32 N, S. 16, on N. E., R. 53 W, S. 21 on S. E., S. 20 on S. W and S. 17 on N. W. faces, 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 around post.
	from which
	A Pine 20 ins. diam. bears S. 20° W. 47 lks. dist.
	marked T. 32 N, R. 53 W, S., 20 B. T.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	A Pine 24 ins. diam. bears S. 30° E., 47 lks. dist.
	marked T. 32 N, R. 53 W, S., 21 B. T.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine,
	Vegetation of Bunchgrass.
	East. on a random line between sections 16 & 21,
	Variation 15° 40' East.
26.00	Descend Cross Ravine, Course. N. and ascend.
40.00	Set temporary ¼ sec. cor.
42.00	Top of Spur, bears N. and S. and descend.
61.00	Cross Ravine, Course. N. W. and ascend.
80.60	Intersect N. & S. line, 20 lks. North of cor. to secs. 15, 16, 21 and 22, from which corner, I run N. 89° 51' W. on a true line between sections 16 & 21.
	Variation 15° 40' East.
40.30	Set a Blind stone 15 x 12 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., W. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

T. 32 N. R. 58 W. 6th P. M.

Chains.	
80.60	The corner to sections 16, 17, 20 and 21.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.
	North between sections 16 and 17. Variation 15° 40' East.
17.00	Top of Spur, bears E. and W. and descend.
30.00	Cross Creek, 3 lks. wide, Course E. and ascend.
40.00	Set a Sand stone 14 x 8 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.00	Top of Spur, bears E. and W. and descend.
55.00	Leave timber, bears E. and W.
80.00	Set a Sand stone 30 x 15 x 3 ins. 22 ins. in the ground for Cor. to Secs. 8, 9, 16 and 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.

T. 32 N. R. 58 W. 6th P. M.

Chains.	
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.
	East. on a random line between sections 9 & 16. Variation 15° 40' East.
40.00	Set temporary ¼ sec. cor.
81.55	Intersect N. & S. line, 18 lks. North of cor. to secs. 9, 10, 15 and 16, from which corner, I run N. 89° 52' W. on a true line between sections 9 and 16. Variation 15° 40' East.
40.27	Set a Sand stone 16 x 12 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
89.55	The corner to sections 8, 9, 16 and 17.
	Land rolling.
	Soil 2nd rate
	Vegetation of Bunchgrass.
	June 10th 1882.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 5 and 9.
	Variation 15° 40' East.
40.00	Set a Sand stone 16 x 6 x 3 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.
50.00	Cross Creek, 15 lks. wide, Course E.
80.00	Set a Sand stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 4, 5, 8 and 9, marked with 5 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land rolling.
	Soil 2nd rate
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 4 & 9
	Variation 15° 40' East.
40.00	Set temporary ¼ sec. cor.
80.58	Intersect N. & S. line, 4 lks. South of cor. to secs. 3, 4, 9 and 10, from which corner, I run S. 89° 58' W. on a true line between sections 4 and 9.
	Variation 15° 40' East.
40.29	Set a Lime stone 20 x 8 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.
80.58	The corner to sections 4, 5, 8 and 9.
	Land level.
	Soil 1st rate
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North on a true line between sections 4 and 5.
	Va. 15° 40' East.
40.00	Set a Sand stone 14 x 12 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
65.00	Cross Wash, 100 lks. wide, Course N.E.
82.00	Cross Wash, 100 lks. wide, Course N.E.
83.26	Intersect the 8th Standard Parallel North at a point 4.13 chs. East. of the Standard Cor. to Secs. 33 and 34. T. 33 N., R. 53 W. at which point I.
	Set a Sand stone 14 x 14 x 4 ins. 9 ins. in the ground for Closing Cor. to Secs. 4 and 5 marked C. C. with 4 notches on E. and 2 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 of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	From the corner to sections, 28, 29, 32 and 33, Tnsp.
	West. on a true line between sections 29 and 32.
	Va. 15° 45' East.
40.10	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.
40.17	Enter Fort Robinson Wood Reservation, at a point 1.28 chs. N. of Post No. 29, which is 5 ft. long x 4 x 6 ins. square, marked U. S. M. W. T. R. on E. face,
	Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to fractional Secs. 29 and 32 marked C.C. T. 32 N. R. 53 W., on E., S. 32 on S. and S. 29 on N. faces, with 1 notch on N. and 5 notches on N. faces, dug pits 18 x 18 x 12 ins. N. & E. of post, 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	Land rolling.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass.
	Timber of Pine.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	From the corner to sections, 20, 21, 28 and 29, T. 32 N.
	West. on a true line between sections 20 and 29.
	Va. 15° 45' East.
	Ascend.
2.00	Top of Spur, bears N. and S. and descend.
15.00	Cross Ravine, 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 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.
73.00	Top of Divide, bears N. and S. and descend.
80.00	Set a Sandstone 15 x 8 x 5 ins. 10 ins. in the ground for Cor. to Secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E. edges, dug pits 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 of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	South on a true line between sections 29 and 30.
	Va. 15° 45' East.
13.82	Enter Fort Robinson Wood Reservation, N. 15 chs. E. of Mile Post No. 32, which is 5 ft. long, 6 x 4 ins. square, marked U. S. M. W. T. R. and
	Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Secs. 29 and 30 marked C. C. T. 32 N. R. 53 W., on N. S. 29 on E. and S. 30 on W. faces, with 5 notches on E. and 1 notch on W. faces, dug pits 18 x 18 x 12 ins. N., E. & W. of post, 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base around post.
	A Pine 20 ins. diam. bears N. 65° W., 126 lks. dist. from which marked T. 32 N., R. 53 W., C. 30 B. T.
	Land Rolling.
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

West. on a random line between sections 19 & 30.
Variation 15° 45' East.

17.00 Cross Ravine, Course. S. W. and ascend.

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

40.00 Set temporary ¼ sec. cor.

44.00 Cross Ravine, Course. S. W. and ascend.

50.00 Top of Spur, bears N. and S. and descend.

64.00 Cross Ravine, Course. S. E. and ascend.

83.20 Intersect W.B. of Tp. 40 lks. N. of cor. to secs, 19, 24, 25 & 30, from which corner, I run N. 89° 43' E. on a true line, between sections 19 and 30.
Variation 15° 45' East.

43.20 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.

83.20 The corner to sections 19, 20, 29 & 30.
Land mountainous
Soil 3rd rate.
Timber of Pine.
Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 19 and 20.
Variation 15° 45' East.

8.00 Top of Ridge, bears N. W. and S. E.

26.00 Descend. Ridge, bears N. W. and S. E.

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.

61.00 Cross Ravine, Course. N. E. and ascend.

80.00 Set a Sand stone 36 x 10 x 10 ins. 27 ins. in the ground for Cor. to Secs. 17, 18, 19 and 20, marked with 3 notch ⊏ on S. and 5 notch ⊏ on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
Land 62.00 lks. mountainous and 18.00 lks. level.
Soil 3rd rate.
Timber of Pine.
Vegetation of Bunchgrass.
I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

June 12th 1882.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 17 & 20.
	Variation 15° 30' East.
15.00	Bottom of deep Canon, course N.E. and ascend.
21.00	Top of Spur, bears N. and S. and descend.
40.00	Set temporary ¼ sec. cor.
55.00	Bottom of Canon, course N.E. and ascend.
80.46	Intersect N. & S. line, 37 lks. North of cor. to secs. 16, 17, 20 and 21, from which corner, I run N. 89° 44' W. on a true line between sections 17 and 20.
	Variation 15° ~~20~~ 30' East.
40.23	Set a Sandstone 16 x 12 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.
80.46	The corner to sections 17, 18, 19 and 20.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine.
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	West. on a random line between sections 18 & 19
	Variation 15° 30' East.
6.00	Top of Ridge, bears N. and S. and descend.
30.00	Cross Ravine, Course. N.E. and ascend.
37.00	Lean Pine timber, bears N. and S.
40.00	Set temporary ¼ sec. cor.
62.00	Top of Ridge, bears N.W. and S.E.
83.57	Intersect W.B. of Tp. 27 lks. South of cor. to secs. 13, 18, 19 and 24, from which corner, I run S. 89° 48' E. on a true line, between sections 18 and 19.
	Variation 15° ~~20~~ 30' East.
43.57	Set a Sandstone 12 x 10 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.
83.57	The corner to sections 17, 18, 19 and 20.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine,
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North between sections 17 and 18.
	Variation 15° 30′ East.
	Descend.
14.00	Bottom of Cañon course N.E. and ascend.
30.00	Top of Spur, bears E. and W. and descend.
40.00	Set a Sand stone 15 x 6 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
56.00	Cross Ravine, Course. N.E. and ascend.
70.00	Top of Ridge, bears E. and W. and descend.
77.00	Lean timber, bears E. & W.
80.00	Set a Sand stone 16 x 14 x 5 ins. 11 ins. in the ground for Cor. to Secs. 7, 8, 17 and 18, marked with 4 notch es on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous
	Soil 3rd rate.
	Timber of Pine
	Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 8 & 17.
	Variation 15° 30′ East.
40.00	Set temporary ¼ sec. cor.
80.03	Intersect N. & S. line, at cor. to secs. 8, 9, 16 and 17, from which corner, I run West on a true line between sections 8 and 17
	Variation 15° ~~00′~~ 30′ East.
40.01	Set a Sand stone 12 x 10 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.03	The corner to sections 7, 8, 17 and 18.
	Land rolling.
	Soil 2nd rate
	Vegetation of Bunchgrass and Sagebrush

T. 32 N. R. 53 W. 6th P. M.

Chains.

West. on a random line between sections 7 & 18.
Variation 15° 30' East.

15.00 Top of Spur, bears N. and S. and descend.

30.00 Cross Ravine, Course. N. and ascend.
Enter Pine timber, bears N.W. and S.E.

38.00 Top of Spur, bears N. and S. and descend.

40.00 Set temporary ¼ sec. cor.

83.78 Intersect W. B. of Tp. 50 lks. North of cor. to secs. 7, 12, 13 & 18, from which corner, I run N. 89° 39' E. on a true line, between sections 7 and 18.
Variation 15° ~~45~~ 30' East.

43.78 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.

83.78 The corner to sections 7, 8, 17 and 18.
Land Rolling.
Soil 3rd rate.
Timber of Pine.
Vegetation of Bunchgrass.

T. 32 N. R. 53 W. 6th P. M.

Chains.

North between sections 7 and 8.
Variation 15° 30' East.

40.00 Set a Sand stone 16 x 6 x 5 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.

75.00 Cross Creek, 15 lks. wide, Course S.E.

80.00 Set a Sand stone 24 x 13 x 7 ins. 18 ins. in the ground for Cor. to Secs. 5, 6, 7 and 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 level.
Soil 1st rate
Vegetation of Bunchgrass and Sagebrush.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	East. on a random line between sections 5 & 8.
	Variation 15° 30' East.
40.00	Set temporary ¼ sec. cor.
79.50	Intersect N. & S. line, 60 lks. North of cor. to secs. 4, 5, 8 and 9, from which corner, I run N. 89° 34' W. on a true line between sections 5 and 8,
	Variation 15° ~~40~~ 30' East.
39.75	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.
79.50	The corner to sections 5, 6, 7 and 8.
	Land level.
	Soil 1st rate
	Vegetation of Bunchgrass and Sagebrush.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	West. on a random line between sections 6 & 7.
	Variation 15° 30' East.
35.00	Cross Cottonwood Creek, 6 lks. wide, Course S. E.
40.00	Set temporary ¼ sec. cor.
83.26	Intersect Y.M.B. of Tp. 58 lks. North of cor. to secs. 1, 6, 7 and 12, from which corner, I run N. 89° 35 E. on a true line, between sections 6 and 7.
	Variation 15° ~~40~~ 30' East.
43.26	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.
83.26	The corner to sections 5, 6, 7 and 8.
	Land level.
	Soil 2nd rate
	Vegetation of Bunchgrass and Sagebrush.

T. 32 N. R. 53 W. 6th P. M.

Chains.	
	North on a true line between sections 5 and 6.
	Va. 15° 30′ East.
40.00	Set a Sand stone 18 x 12 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.
81.00	Cross Wash, 100 lks. wide, Course S. E.
82.55	Intersect the 8th Standard Parallel North at a point 4.96 chs. East. of the Standard Cor. to Secs. 32 and 33, T. 33 N., R. 53 W. at which point I.
	Set a Sand stone 15 x 9 x 4 ins. 10 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notches 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 of Bunchgrass and Sagebrush.
	June 13th 1882.

T. N. R. W. 6th P. M.

Chains. General Description.

The land in this Township is generally mountainous and rolling excepting the extreme N. and N.W. parts where there is a little level land.

The soil is 2nd and 3rd rate, producing a good quality of bunchgrass. All kinds of vegetables can be grown, without irrigation. Along Cottonwood Creek, in the N.W. part, there is some 1st rate soil.

Pine timber is found in nearly all parts of the Tp. and some Cedar grows in the Cañons in the Southern central portion.

The Township is well watered. The principal Creek is Cottonwood, which flows through the Tp. from N.W. to S.E. There is a large spring in Sec. 15.

Fort Robinson Wood Reservation

occupies the S.W. Secs. of the Tp.
Mr. Wayfield's claim and improvements are in the N.E. ¼ of Sec. 13.
A Telegraph line crosses the S.W. part of the Tp.
There is a high, impassible precipice in Secs. 22 and 27.

U. S. Surveyor General's Office
Plattsmouth Neb. Feb. 5th 1883

The foregoing Field Notes of the Survey of the Subdivisional lines of Township No. 32 North, Range No. 5 East of the Principal Base & Meridian in the State of Nebraska, executed by Charles Buchanan U. S. Deputy Surveyor under his Contract No. 5, dated Nov. 11, 1881, in the month of June 1882 having been critically examined, the necessary corrections & explanations made, the said Field Notes & the Survey they describe are hereby approved

Geo. S. Smith
U. S. Surveyor General

General Land Office • Original Field Notes

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

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