General Land Office • Original Field Notes

Book Number

734

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T. 29–32 N.
R. 57 W.
89

M. V. O'Reilly

T. 29 N. R. 5

5th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 29 N. Range 57 W.

5th Principal Meridian.

BY

M. V. O'Reilly Deputy Surveyor.

Under his Contract of Sept. 22 1881

Survey Commenced Dec. 27 1881

Survey Completed Jan 2nd 1882

Platted,
Copied for Washington,
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Edward Denny & Co., Stationers & Printers, S. F., Cal.

Township 29 N Range 57 W.

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 Buff's Patent Improved Solar Compass, nearly new, and in first rate order. Made by H. L. & C. Gurley of Troy N. Y. in 1881

Before proceeding to subdivide this Tp., I made a change of 6 minutes in the latitude and of my solar compass by subtracting same from the reading previously given, and all error verified and corrected same by observation on the sun. I also further tested instrument by reversing

Township 29 N. Range 5 W. 6th Principal Meridian.

See previous page

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° 45' East.
	Ascend.
8.00	Top of Spur, brass N. E. & S. W. and descend.
9.60	Cross Gulch 10 lks. wide, course N. 30° E.
16.00	Enter Sag course N. 70° E.
26.00	Leave Sag course N. 80° E. and ascend
28.00	Top of Spur, brass E. & W. and descend
40.00	Set a sand stone 14 x 11 x 8 ins., 10 ins. in the ground, for ¼ Sec. cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist, and raised a mound of earth 1½ ft. high, 8½ ft. base.
	in low Sag and ascend
64.00	Top of Spur, brass E. & W. and descend.
75.00	Enter Flat brass S. E. and N. W.
80.00	Set a sand stone 12 x 9 x 6 ins. 8 ins. in the ground for cor. to Sec. 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 mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36. Variation 16° East.
	Over level land
8.00	Leave Flat brass N. & S. and ascend.
11.50	Top of Spur, brass N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
79.85	Intersect E. B. of Sh. 35 Lk. South of cor. to secs. 25-26-35-36 which is a mound and pits with posts in S. & pit from which corner I run S. 89° 45' W. on a true line between sections 25-36. Variation 16° 40' East
39.93	Set a sand stone 16 x 14 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 6½ ft. dist, and raised a mound of earth 1½ ft. high, 8½ ft. base.
79.85	The corner to sections 25-26-35-36
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W.
6th Principal Meridian

Chains	North, between Sections 25 and 26 Variation 18° East.
	Over level land
40.00	Set a sand stone 18x9x6 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, drug pits, 18x18x12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 2 1/2 ft. high, 3 1/2 ft. base.
80.00	Set a sand stone 18x13x9 ins. 12 ins. in the ground for cor. to Secs. 23-24-25-26, marked with 2 notches on S. and 1 notch on E. edges, drug 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
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 18° East.
	Over rolling land.
18.00	Base of low Spur bears N. & S. and ascend.
22.00	Top of Spur, bears N. & S. and descend.
25.10	Cross Gulch, 10 lks. wide, bears North and ascend.
39.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
79.80	Intersect E. B. of Pk. 14 lks. North 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 N. 89° 54' W. on a true line, between sections 24-25.
	Variation 15° 52' East.
39.90	Set a sand stone 10x8x5 ins., 6 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, drug pits, 18x18x12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.80	The corner to sections 23-24-25-26.
	Sand mountainous - 61.80 Chains, balance rolling
	Soil 3d. rate
	Vegetation Bunchgrass.

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

North, between Sections 23 and 24.

Variation 16° East.

Chains	
	Over rolling land
30.00	Leave Flat bears N. W. & S. E. and ascend.
40.00	Set a sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. 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.
59.00	Pole of Spur, bears E. & W. and descend.
61.00	Entire Flat bears E. & W.
80.00	Set a sand stone 14 x 12 x 9 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. 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.
	Sand rolling.
	Soil 2d. & 3d rate
	Vegetation Bunchgrass.

Township 29 N. Range 6 W. 5th Principal Meridian.

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

Variation 16° 6 East.

Chains	
	Over rolling land
36.00	Commenced to ascend
40.00	Set temporary 1/4 sec. cor.
48.00	Pole of Spur, bears N. & S. and descend.
80.29	Intersect E. B. of Tp. 28 Ks. North of cor. to secs 18-19-13-24 which is a mound and pits with post ins. S. & W. pits from which cor. is 1 link N. 89 48 W. on a bearing between subtense 13-24 Variation ~~16 00~~ 16 06 East.
40.13	Set a sand stone 13 x 9 x 7 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base
80.29	The corner to sections 13-14-23-24.
	Sand rolling.
	Soil 2d- 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

5th Principal Meridian

Chains	North, between Sections 13 and 14. Variation 16° 6' East.
	Over level land
27.00	Ascend.
35.00	Top of Spur, bears N. W. & S. E. and ascend.
40.00	Set a sand stone 16 x 13 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., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base
41.00	Enter Sag Course N. 30° W.
67.00	Leave Sag, Course N. 30° W. and ascend.
72.00	Top of Spur, bears N. W. & S. E. and descend.
80.00	Set a sand stone 17 x 13 x 5 ins. 12 ins. in the ground for Cor. to Secs. 11-12-13-14, marked with 4 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous — 53.00 Chs., balance level.
	Soil 2d. - 3d. rate.
	Vegetation Bunchgrass

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 16° 9' East.
	Over rolling land
20.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
79.91	Intersect E. B. of Tp. 25 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° 49' W. on a true line, between sections 12-13. Variation ~~15° 45'~~ 16° 09' East.
39.96	Set a sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. 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 11-12-13-14.
	Land rolling.
	Soil 2d & 3d. rate
	Vegetation Bunchgrass.
	Dec. 27th 1881

Township 29 N. Range 57 W. 6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 16° 9' East.
	Cross rolling land
37.00	Foot of Hill, bears E. & W. Thence over flat
40.00	Set a sand stone 14 x 12 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
71.00	Leave Flat bears E. & W. and ascend.
80.00	Set a sand stone 14 x 10 x 8 ins. 10 ins. in the ground for Cor. to Secs. 1-2-11-12 marked with 6 notches on S. and 1 notch on E. stones, 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 2d & 3d rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 16° East.
	Cross rolling land
27.00	Foot of Spur, bears S. E. & N. W. and ascend.
30.00	Top of Spur, bears S. E. & N. W. and descend.
36.00	Enter Flat bears N. & S.
40.00	Set temporary ¼ sec. cor.
79.88	Intersect E. B. of Tp. 16 Lks. South of cor. to secs. 1-2-11-12 which is a mound and pits with post in S. E. pit from which corner, I runs S. 89° 53' W. on a true line between sections 1-12. Variation 15° 45' East.
39.74	Set a sand stone 10 x 10 x 8 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base
79.88	The corner to sections 1-2-11-12
	Land rolling
	Soil 2d-3d rate
	Vegetation Bunchgrass.

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

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

Variation 16° East.

Chains	
	Over rolling lands
25.00	Cross Gulch, 20 lks. wide, Course S. 66° E. Mag. ascend.
38.00	Top of Spur, bears S. 60° E. & N. 60° W. Mag. descend.
40.00	Set temporary 1/4 sec. cor.
79.81	Intersect N. B. of Sp. 21 lks. East of cor. to secs. 1-2-35-36 from which a Cedar 6 ins. diam. bears N. 9° E. 60 links distant, and a Cedar 6 ins. diam. bears S. 9° E. 60 links distant, a true line, between sections 1-2.
	Variation 15° 15' East.
39.81	Set a sand stone 13 x 10 x 7 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 4 on W. face, and pits 18 x 18 x 12 ins., S. Mag. W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.81	The corners to sections 1-2-11-12
	Land rolling
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 5th Principal Meridian. 12

From the corner to sections 34-35 where is a mound and pits with post in it bears Due S. 34 links distant.

North, between Sections 34 and 35.

Variation 15° 10' East.

Chains	
	Ascend.
7.00	Top of Spur, bears E. & W. and descend.
10.00	Cross low Sag and ascend.
26.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
40.00	Set a sand stone 18 x 8 x 8 ins., 12 ins. in the ground, for 1/4 Sec. cor., marked 4 on W. face, and pits 18 x 18 x 12 ins., S. Mag. W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.00	Set a sand stone 14 x 12 x 8 ins. 10 ins. in the ground for cor. to Secs. 26-27-34-35 marked with 1 notch on S. Mag. 2 notches on E. edges, and pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 5 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 15° 15' East.
	Descend.
5.00	Cross low Sag and ascend.
15.00	Top of Spur, bears N. & S. and descend.
30.10	Cross Gulch, 20 lks. wide, bearing S. 80° E. and ascend.
34.00	Top of Spur, bears S. 65° E. & N. 15° W. and descend.
40.00	Set temporary 1/4 sec. cor.
79.65	Intersect N. & S. lines, 24 lks. South of cor. to secs. 25-26-35-36 from which corner, 2 runs N. 89° 30' W. on a true line between sections 26-35. Variation 16° East.
39.83	Set a sand stone 12x12x9 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, drive 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.
79.65	Two roads to sections 26-27-34-35.
	Land mountainous
	Soil 3d rate.
	Vegetation Bunchgrass.

Township 29 N. Range 5 W.
6th Principal Meridian.

Chains	North, between Sections 26 and 27. Variation 15° 15' East.
	Descend.
14.00	Cross low Sag and ascend.
20.00	Cross Gulch, 300 lks. wide bearing S. 60° E.
40.00	Set a sand stone 12x10x10 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, drive pits, 18x18x12 ins., E. and N. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
53.70	Cross Gulch, 20 lks. wide, bearing S. 75° E.
78.00	Top of Spur, bears, S. 80° E. & N. 80° W. and descend.
80.00	Set a sand stone 14x12x6 ins., 10 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches on E. edges, drive 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.
	Sand Rolling
	Soil 2d & 3d rate.
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 15' East.
	Over rolling land.
9.00	Cross low Sag and ascend.
22.50	Top of Spur, bears S. 30° E. & N. 30° W. and descend.
30.00	Enter Flat bears N. W. & S. E.
40.00	Set temporary 1/4 sec. cor.
80.22	Intersect N. & S. line, 33 lks. South of cor. to secs. 23-24-25-26 from which corner, I run S. 89° 46' W. on a true line between sections 23-26. Variation 16° East.
40.11	Set a sand stone 10x10x6 ins., 6 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.
80.22	The corner to sections 22-23-26-27.
	Land rolling.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 15' East.
	Descend.
10.00	Cross low Sag and ascend.
21.40	Top of Spur, bears S. E. & N. W. and descend.
32.00	Cross low Sag and ascend.
40.00	Set a lime stone 10x8x8 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.
80.00	Set a sand stone 18x16x13 ins. 12 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with 3 notches on S. and 2 notches on E. 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 rolling
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

17

Township 29 N. Range 3 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 24' East.
	Ascend.
1.00	Top of hill bears N. W. & S. E. and descend.
7.00	Foot of hill bears S. E. and N. W. thence over rolling land.
24.00	Center Flat bears N. & S.
80.18	Intersect N. & S. line 14 lks. South of cor. to secs 13-14-23-24 from which corner, I run S. 89° 37' W. on true line between sections 14-23 Variation 15° 06' East.
40.08	Set a limestone 12 x 12 x 10 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. dist, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.18	The corner to sections 14-15-22-23.
	Land rolling.
	Soil 2d & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 3 W. 6th Principal Meridian. 18

Chains	North, between Sections 14 and 15. Variation 15° 24' East.
	Ascend.
1.10	Top of hill bears S. E. & N. W. and continue ascent.
15.00	Top of hill bears S. 60° E. & N. 60° W. and descend.
22.00	Foot of Hill, thence over rolling land.
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. & W. of stone 3 1/2 ft. dist, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
60.00	Leave rolling land and ascend.
73.00	Top of Ridge, bears S. 45° E. & N. 45° W. and descend.
80.00	Set a sand stone 16 x 16 x 4 ins. 10 ins. in the ground for Cor. to Secs 10-11-14-15 marked with 4 notches on S. and W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 3 1/2 ft. dist, and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land rolling and mountainous 42.00 Chains
	Soil 2d. and 3d. rate
	Vegetation Bunchgrass.
	Dec. 28th 1881

Township 29 N. Range 5 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 24' East.
	Over rolling land.
17.00	Commence to ascend
25.00	Top of Spur, bears S. 15° E. & N. 15° W. and descend
30.00	Foot of hill, thence over rolling land
40.00	Set temporary ¼ sec. cor.
57.00	Cross low Sag and ascend.
68.00	Top of Spur, bears N. W. and S. E. and descend.
79.94	Intersect N. & S. Line, 20 lks. South of cor. to secs. 11-12-13-14 from which corner, Pine B. 89° 30' W. on a true line between sections 11-14 Variation 15° 9' East.
37.97	Set a sand stone 10 x 9 x 6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.94	The corner to sections 10-11-14-15. Land rolling and mountainous, 38.94 Chains Soil 2d & 3d rate. Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian. 20

Chains	North, between Sections 10 and 11. Variation 15° 24' East.
	Ascend.
15.30	Top of Spur, bears S. 45° E. & N. 45° W. and descend
40.00	Set a sand stone 10 x 8 x 7 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits 18 x 8 x 12 ins., E. ¾ W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
53.00	Enter Flat bears S. E. & N. W.
80.00	Set a sand stone 14 x 12 x 12 ins. 10 ins. in the ground for Cor. to Secs. 2-3-10-11 marked with 5 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. Land rolling and level. Soil 2d & 3d rate Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11. Variation 15°24' East.
	Over level land.
30.00	Leave Flat bears N. & S. and ascend.
35.00	Top of Spur, bears N. & S. and descend.
39.00	Enter Flat bears N. & S.
40.00	Set temporary 1/4 sec. cor.
69.00	Leave Flat bears N. and S. and ascend.
79.69	Intersect N. & S. line, 29 lks. South of cor. to secs. 1-2-11-12 from which corner, I run S. 89°48' W. on a true line between sections 2-11. Variation ~~16~~ 15°24' East.
39.85	Set a sand stone 14x12x5 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.
79.69	The corner to sections 2-3-10-11. Land rolling and level Soil 2d. & 3d. rate Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 2 and 3. Variation 15°24' East.
	Over level land
18.00	Cross Gulch, 35 lks. wide Course S. 60° E.
40.00	Set temporary 1/4 sec. cor.
79.69	Intersect N. B. of Tp. 29 lks. East of cor. to secs. 2-3-34-35 from which corner, I run S. 12' E. on a true line, between sections 2-3. Variation 15°~~30~~ 34' East
39.69	Set a sand stone 10x9x7 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
79.69	The corner to sections 2-3-10-11 Land level Soil 2d. rate Vegetation Bunchgrass.

Township 29 N. Range 57 W.

5th Principal Meridian.

From the corner to sections ~~3-4~~ 33-34 which is a mound and pits, with post in E. pit I run North, between Sections 33 and 34.

Variation 15° 35' East.

Chains	
	Ascend.
20.00	Top of Spur, bears E. and W. and descend.
30.00	Enter Flat bears E. and W.
40.00	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
55.00	Leave Flat bears S. 60° E. & N. 60° W. and ascend.
74.00	Top of Spur, bears E. and W. and descend.
80.00	Set a sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 27-28-33-34 marked with 1 notch on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land level and rolling.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

5th Principal Meridian.

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

Variation 16° East.

Chains	
	Descend.
8.50	Foot of Hill, bears S. 60° E. & N. 60° W.
	Thence over rolling land
26.54	Cross Gulch, 30 lks. wide, Course, S. 70° E. and ascend.
30.00	Top of Spur, bears S. 20° E. & N. 20° W. and descend.
40.00	Set temporary 1/4 sec. cor
58.00	Cross Gulch, 6 lks. wide, Course South and ascend.
80.19	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~~ 16° ~~18~~ East.
40.10	Set a sand stone 18 x 8 x 6 ins., 12 ins. in the ground, for 1/4 Sec. Cor.; marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.19	The corner to sections 27-28-33-34.
	Land rolling and mountainous - 6215 chains.
	Soil 2d and 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian.

North, between Sections 27 and 28.

Variation 16° East.

Chains	
	Ascend.
16.00	Top of Spur, bears E. & W. and descend
30.00	Cross low Sag and ascend.
34.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend
40.00	Set sand stone 10 x 8 x 8 ins., 6 ins. in the ground for ¼ Sec. Cor., marked ¼ on W. face, drug 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 low Sag and ascend.
67.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
80.00	Set a sand stone 12 x 10 x 10 ins. 8 ins in the ground for Cor. to Sec. 21-22-27-28 marked with 2 notches on S. and 3 notches on E. edges, drug 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 mountainous.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian.

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

Variation 16° 06' East.

Chains	
	Ascend.
7.00	Top of Spur, bears S. 30° E. & N. 30° W. and descend.
17.00	Enter Flat bears S. E. & N. W.
23.00	Leave Flat bears S. E. & N. W. and ascend
27.00	Top of Spur, bears S. E. & N. W. and descend.
40.00	Set temporary ¼ sec. cor. in low Sag and ascend
73.00	Top of Spur, bears S. E. & N. W. and descend.
79.90	Intersect N. & S. line, 20 lks. North of cor. to secs. 22-23-26-27 from which a tree bears N. 89° 57' W. obs'd true bearing sections 22-27 Variation ~~15° 45'~~ 16° 06' East.
39.76	Set a sand stone 12 x 12 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, drug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist, and raised a mound of earth 1½ ft. high 3½ ft. base.
79.90	The corner to sections 21-22-27-28.
	Sand mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian.

North, between Sections 21 and 22.

Variation 15° 6' East.

Chains	
	Second.
14.00	Cross low Sag and ascend
19.00	Top of Spur, bears E. & W. and descend
26.00	Enter Flat bears E. & W.
36.00	Leave Flat bears E. & W. and ascend.
38.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
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. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.00	Set a sand stone 14 x 12 x 4 ins., 10 ins. in the ground for Cor. to Sec. 15-16-21-22 marked with 3 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high & 4 1/2 ft. base.
	Sand mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian.

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

Variation 15° 30' East.

Chains	
	Over level land
28.00	Leave Flat bears N. & S. and ascend
34.00	Top of Spur, bears N. & S. and descend.
40.00	Set Temporary 1/4 sec. cor.
43.00	Enter Flat bears N. & S.
77.00	Leave Flat bears N. & S. and ascend.
79.81	Intersect N. & S. line, 30 lks. North of cor. to secs. 14-15-22-23 from which corner, I run N. 89° 47' W. on a true line between sections 15-22. Variation 15° 30' East.
39.91	Set a sand stone 10 x 10 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 15-16-21-22.
	Sand level and hilly
	Soil 2d. and 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

5th Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 15° 30′ East.
	Over level land
40.00	Set a sand stone 24 x 10 x 10 ins., 18 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 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 24 x 10 x 10 ins. 18 ins. in the ground for Cor. to Sec. 9-10-15-16 marked with 4 notches on S. and 3 notches on E. edges; dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land level
	Soil 2d. rate.
	Vegetation Bunchgrass
	I carefully examined the adjustments of my solar compass to day, particularly the latitude and reversing apparatus, and found them correct.
	Dec. 29th 1881

Township 29 N. Range 57 W.

5th Principal Meridian.

Chanis	East, on a random line between Sections 10 and 15. Variation 15° 30′ East.
	Over level land
21.00	Leave Flat bears N. 10° W. & S. 10° E. and ascend.
29.00	Top of hill bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
43.90	Cross Gulch, 125 lks. wide, Course S. E. and ascend
63.00	Top of Spur, bears N. W. & S. E. and descend.
71.00	Cross Gulch, 25 lks. wide, Course South and ascend.
74.00	Top of Spur, bears N. W. & S. E. and descend.
80.19	Intersect N. & S. line, 10 lks. South of cor. to secs. 10-11-14-15 from which corner, I run S. 89° 58′ W. on a true line between sections 10-15.
	Variation 15° ~~24~~ 30′ East: 0
40.10	Set a sand stone 13 x 11 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18 x 18 x 12 ins., N. and S. of stone. 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.19	The corner to sections 9-10-15-16.
	Land mountainous - 59.19 chs., Balance level
	Soil 3d. rate.
	Vegetation Bunchgrass.

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

Chains	North, between Sections 9 and 10. Variation 15° 30' East.
	Over level land
20.00	Leave Wal. bears S.E. & N.W. and ascends
40.00	Set a sand stone 12x12x4 ins., & ins. in the ground, for 1/4 Section, 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.
57.00	Top of hill bears N.W. & S.E. and descend.
80.00	Set a sand stone 20x10x8 ins. 15 ins. in the ground for Cor. to Secs. 3. 4. 9 & 10 marked with notches on S and 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.
	Sand. hilly
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

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

Chains	East, on a random line between Sections 3 and 10. Variation 15° 48' East.
	Descend.
17.00	Foot of Hill, bears N.W. & S.E. and ascend
40.00	Set Temporary 1/4 sec. cor.
57.00	Top of Spur, bears N. & S. and descend.
79.93	Intersect N. & S. line, 25 lks. North of cor. to secs. 2-3-10-11 from which corner, I run N. 89° 48' W. on a true line between sections 3-10. Variation 15° 48' East.
39.97	Set a sand stone 12x12x4 ins., & 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.
79.93	The corner to sections 3-4-9-10
	Sand hills
	Soil 2d & 3d. sale.
	Vegetation Bunchgrass

Township 29 N. Range 57 W.

5th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 15° 48' East.
	Descend
21.00	Foot of Hill, bears N.W. & S.E. thence over rolling land.
40.00	Set temporary 1/4 sec. cor.
68.00	Base of Hill, bears S.E. & N.W. and ascend.
79.88	Intersect N.B. of Tp. 20 lks. East of cor. to secs. 3-4-33-34 from which corner, I run S. 9' E. on a true line, between sections 3-4. Variation 15° ~~15~~ 48' East.
39.88	Set a sand stone 12 x 8 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.
79.88	The corner to sections 3-4-9-10.
	Land hilly
	Soil 2d.-3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

From the corner to sections ~~[illegible]~~ 32-33 which is a mound and pits, with post in E. pit I run North, between Sections 32 and 33.

Chains	Variation 15° 30' East.
	Ascend.
38.00	Top of Spur, bears S. 80° E. & N. 80° W. and descend.
40.00	Set a sand stone 13 x 10 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
46.00	Enter Flat bears E. and W.
66.00	Leave Flat bears S. 70° E. N. 80° W. and ascend.
80.00	Set a sand stone 16 x 14 x 6 ins. 10 ins. in the ground for Cor. to Secs. 28-29-32-33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land hilly and level.
	Soil 2d.-3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 16° 9' East.
	Ascend.
21.00	Top of Spur, bears S. 15° E. & N. 15° W. and descend.
31.50	Enter Flat bears N. & S.
40.00	Set temporary 1/4 sec. cor.
65.00	Leave Flat bears N. & S. and ascend.
72.00	Top of Spur bears N. & S. and descend.
79.84	Intersect N. & S. line, 29 lks. North of cor. to secs. 27-28-33-34 from which corner, I run N. 89°48' W. on a true line between sections 28-33. Variation 16° 9' East.
39.92	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.84	The corner to sections 28-29-32-33.
	Land rolling and level
	Soil 2d & 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	North, between Sections 28 and 29. Variation 16° 9' East.
	Ascend.
3.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 12 x 12 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. 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 low Sag and ascend.
49.00	Top of Spur, bears S. 40° E. & N. 40° W. and descend.
63.00	Cross low Sag and ascend.
67.00	Top of Spur, bears E. & W. and descend
76.00	Enter Flat bears E. & W.
80.00	Set a sand stone 13 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 20-21-28-29 marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 16° East.
	Ascend.
14.00	Top of Spur, bears S. 30° E. & N. 30° W. and descend.
19.00	Cross Gulch, 30 lks. wide, Course S. 25° E. and ascend
40.00	Set temporary 1/4 sec. cor.
56.00	Top of Spur, bears S. 20° E. & N. 20° W. and descend.
79.60	Intersect N. & S. line, 25 lks. South of cor. to secs. 21-22-27-28 from which corner, I run S. 89° 49' W. on a true line between sections 21-28. Variation 16° 05' East.
39.80	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.60	The corner to sections 20-21-28-29.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	North, between Sections 20 and 21. Variation 16° East.
16.00	Leave Flat bears S. E. & N. W. and ascend.
20.50	Top of Spur, bears S. 45° E. & N. 45° W. and descend.
35.00	Cross low Sag and ascend
40.00	Set a sand stone 12 x 8 x 6 ins., 8 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base
47.00	Top of Spur, bears E. and W. and descend
55.00	Cross Gulch, 28 lks. wide, Course S. 60' E. and ascend.
69.50	Top of Spur, bears S. 30° E. & N. 30° W. and descend.
74.00	Enter Flat bears E. and W.
80.00	Set a sand stone 14 x 10 x 10 ins. 10 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous 58 Chains, balance flat.
	Soil 3d. rate
	Vegetation Bunchgrass.

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

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

Variation 16° 15' East.

Chains	
	Ascend
15.00	Top of Spur, bears N. & S. and descend.
20.00	Enter Slag bears S. 25° E. & N. 25° W.
36.00	Leave Slag bears S. 25° E. & N. 25° W.
40.00	Set temporary 1/4 sec. cor.
41.00	Top of Spur, bears N. & S. and descend
79.66	Intersect N. & S. line, 15 lks. South of cor. to secs. 15-16-21-22 from which corner, Pine S. 89° 34' W. on a true line between sections 16-21 Variation 16° 15' East. 0
39.83	Set a sand stone 16 x 14 x 11 ins., 10 ins. in the ground, for 1/4 Sec. bor, 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.
79.66	The corner to sections 16-17-20-21
	Sand mountainous.
	Soil 3 d. sale.
	Vegetation Bunchgrass.

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

North, between Sections 16 and 17.

Variation 16° 15' East.

Chains	
6.00	Enter Flat bears E. and W.
23.00	Leave Flat bears E. and W. and ascend.
40.00	Set a sand stone 10 x 8 x 6 ins., 6 ins. in the ground, for 1/4 Sec. bor, 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
52.00	Top of Spur, bears E. & W. and descend.
55.00	Enter Flat bears E. and W.
80.00	Set a sand stone 12 x 10 x 8 ins. 8 ins. in the ground for bor. to Secs. 8-9-16-17 marked with 4 witches on S. and 4 witches 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.
	Sand mountainous 37.00 lchs. balance level
	Soil 2d 3d. sale.
	Vegetation Bunchgrass.
	Dec. 30th 1881

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

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

Variation 16° 30' East.

Chains	
	Over level land.
35.00	Leave Flat bears N.W. & S.E. and ascend.
39.00	Top of Spur, bears N. and S. and descend.
40.00	Set temporary ¼ sec. cor.
80.27	Intersect N. & S. bnds. 23 lks. North of cor. to secs. 9-10-15-16 from which corner, Pine bears N. 89° 30' W. on a true line between sections 9-16. Variation 16° 30' East.
40.14	Set a sand stone 18 x 8 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 8½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.27	The corner to sections 8-9-16-17.
	Land mountainous 45.27 Chains, balance level.
	Soil 3d. sale
	Vegetation Bunchgrass

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

North, between Sections 8 and 9.

Variation 16° 30' East.

Chains	
5.00	Leave Flat bears N. 60° W. & S. 60° E. and ascend.
9.00	Top of Spur, bears N.W. & S.E. and descend
11.00	Enter Sag bears E. & W.
29.00	Leave Sag bears E. & W.
31.00	Top of Spur, bears N.W. & S.E. and descend.
34.00	Enter Flat bears S.E. and N.W.
40.00	Set a sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits 18 x 18 x 12 ins., E. and W. of stone 8½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a sand stone 14 x 12 x 8 ins. 10 ins. in the ground for Cor. to Secs. 4-5-8-9 marked with 5 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each. Sec. 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base
	Land mountainous 11.00 Chains, balance level.
	Soil 2d. & 3d. sale
	Vegetation Bunchgrass.

Township 29 N. Range 5 W. 6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 15° 55' East.
10.00	Leave Flat bears N. W. & S. E. and ascend
14.00	Top of Spur, bears N. & S. and descend.
16.00	Center Flat bears S. E. & N. W.
32.00	Leave Flat bears S. E. & N. W. and ascend
40.00	Set temporary 1/4 sec. cor.
48.00	Top of Spur, bears N. W. & S. E. and descend.
79.69	Intersect N. & S. lines, 1/4 lks. North of cor. to secs. 3-4-9-10 from which corner, Pine N. 89° 54' W. on a true line lies between sections 4-9. Variation 16° 48' East.
39.86	Set a sand stone 18 x 9 x 7 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist, and raised a mound of earth 12 ft. high, 3 1/2 ft. base.
79.69	The corner to sections 4-5-8-9
	Land mountainous - 53.69 lks, balance level.
	Soil 2d. & 3d. rate
	Vegetation Bunchgrass

Township 29 N. Range 5 W. 6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 15° 55' East.
	Over level land
6.00	Leave Flat bears N. W. & S. E. and ascend.
8.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary 1/4 sec. cor.
80.07	Intersect N. B. & Tp. 5 lks. East of cor. to secs. 4-5-32-33 from which corner, Pine N. 2° E. on a true line between sections 4-5. Variation 15° 15' East.
40.07	Set a sand stone 10 x 10 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., E. and W. of stone 6 1/2 ft. dist, and raised a mound of earth 12 ft. high, 3 1/2 ft. base.
80.07	The corner to sections 4-5-8-9
	Land Rolling
	Soil 3d. rate
	Vegetation Bunchgrass

Township 29 N. Range 57 W.

From the corner to sections ~~5-6~~ 31-32 which is a post 8 ft. long 6 ins. square, with mound & pits I run

5th Principal Meridian.

North, between Sections 31 and 32.

Variation 15° 50' East.

Chains	
	Over rolling land
	Ascend.
8.00	Top of Spur, bears N.W. & S.E. and descend.
12.00	Cross low Sag and ascend.
19.00	Top of Spur, bears N. 60° W. & S. 60° E. and descend.
21.00	Enter Flat bears E. & W.
39.00	Leave Flat bears and ascend
40.00	Set a sand stone 16 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. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
71.00	Enter Flat bears E. and W.
78.00	Leave Flat bears E. and W. and ascend.
80.00	Set a sand stone 13 x 12 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.
	Land mountainous 47.00 chs., balance level.
	Soil 2d - 3d. rate
	Vegetation Bunchgrass

Township 29 N. Range 57 W.

5th Principal Meridian.

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

Variation 16° East.

Chains	
	Over rolling land
40.00	Set temporary 1/4 sec. cor.
43.00	Top of Spur, bears N. & S. and descend.
69.00	Cross low Sag and ascend.
79.76	Intersect N. & S. line 23 lks. South of cor. to secs. 28-29-32-33 from which corner, I run S. 89° 50' W. on a true line between sections 29-32. Variation 16° 09' East.
39.88	Set a sand stone 10 x 10 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.
79.76	The corner to sections 29-30-31-32.
	Land Rolling.
	Soil 3d. rate
	Vegetation Bunchgrass

Township 29 N. Range 57 W.
6th Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 30 and 31. Variation 16° East.
	Cross rolling land
13.02	Intersect Boundary line between Nebraska and Wyoming at a point which bears North 1808 links dist. from the 100th Mile post, which is a post 8 ft. long 3 ins. square, with mound and pits and Set a sand stone 14 x 9 x 6 ins. 10 ins. in the ground for closing Cor. to Secs. 30 & 31 marked C.C. with 1 notch on E. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. N. S. & E. of stone, 5½ ft. dist, and raised a mound of earth 2 ft. high 4½ ft. base.
	Sand rolling
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.
6th Principal Meridian.

Chains	North, between Sections 29 and 30. Variation 16° East.
	Ascend.
16.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 14 x 14 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked 4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
53.00	Cross low Sag and ascend.
80.00	Set a sand stone 18 x 7 x 5 ins. 12 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.
	Sand rolling.
	Soil 2d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 15° 56' East.
	Descend.
37.00	Cross Gulch, 30 lks. wide, Course South and ascend.
40.00	Set temporary 1/4 sec. cor.
49.00	Top of Spur, bears N. & S. and descend.
60.10	Cross Gulch, 90 lks. wide, Course South and ascend.
70.00	Top of Spur, bears N. & S. and descend.
77.00	Cross Gulch, 20 lks. wide, Course S. 12' E.
79.86	Intersect N. & S. line, 16 lks. North of cor. to secs. 20-21-28-29 from which corner, I run N. 89° 53' W. on a true line between sections 20-29. Variation 16° East.
39.93	Set a sand stone 10 x 10 x 5 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.
79.86	The corner to sections 19-20-29-30.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 19 and 30. Variation 15° 56' East.
15.60	Intersect Boundary line between Nebraska and Wyoming at a point which bears N. 18.31 chs. dist. from the 101st Mile Post, which is a post 8 ft. long 6 ins. square with mound and pits and
	Set a sand stone 12 x 12 x 8 ins. 8 ins. in the ground for Closing Cor. to Secs. 19-30 marked C. C. with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins., N. S. N. S. E. of stone ~~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
	I carefully examined the adjustments of my solar compass to day particularly the latitude and reversing apparatus, and found them correct.
	Dec. 31st 1881

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

North, between Sections 19 and 20.

Variation 15° 30' East.

Chains	
	Ascend
34.00	Top of Spur, brass E. & W. and descend
40.00	Set a sand stone 12×10×6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
63.48	Cross Gulch, 30 lks. wide, course S. 20° E. and ascend
80.00	Set a sand stone 18×12×6 ins. 12 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 18×18×12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

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

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

Variation 16° 15' East.

Chains	
	Ascend.
30.16	Cross Gulch, 80 lks. wide, course South and ascend.
40.00	Set temporary 1/4 sec. cor.
57.00	Cross Gulch, 100 lks. wide, course South
72.00	Top of Spur, brass N. & S. and descend.
79.86	Intersect N. & S. line, 18 lks. North of cor. to secs. 16-17-20-21 from which corner, Thurn N. 89° 52' W. on a true line between sections 17-20
	Variation 16° East.
39.93	Set a sand stone 10×8×6 ins., ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.86	The corner to sections 17-18-19-20
	Land rolling.
	Soil 2d-3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 18 and 19. Variation 16° East.
15.46	Intersect Boundary line between Nebraska and Wyoming at a point which bears N. 18.48 chs. dist. from the 102nd Mile post, which is a post 8 ft. long, 6 ins. square, with mound and pits and Set a sand stone 10x10x6 ins. 6 ins. in the ground for Closing Cor. to Secs. 18-19 marked C. C. with 3 notches on S. and 3 notches on N. edges, dug pits 18x18x12 ins. N.S. E. of stone ~~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 57 W.

6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 16° East.
	Ascend.
28.00	Top of Spur, bears E. & W. and descend
36.00	Cross Gulch 6 lks. wide, Course. S. 15° E. and ascend.
40.00	Set a sand stone 12x12x4 ins., 8 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.
68.80	Top of Spur, bears S. E. & N. W. and descend.
80.00	Set a sand stone 16x9x7 ins. 10 ins. in the ground for Cor. to Secs. 7-8-17-18 marked with 4 notches on S. and 2 notches on E. edges, dug pits 18x18x12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 16° East.
	Over rolling land
40.00	Set temporary 1/4 sec. cor.
79.62	Intersect N. & S. line, 10 lks. South of cor. to secs. 8-9-16-17 from which corner, I run S. 89° 58' W. on a true line between sections 8-17. Variation 16° 30' East.
39.81	Set a sand stone 13 x 11 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.
79.62	The corner to sections 7-8-17-18.
	Land rolling.
	Soil 2d-3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 7 and 18. Variation 16° East.
15.58	Intersect Boundary line between Nebraska and Wyoming at a point which bears N. 19.18 chs. dist. from the 103rd Mile post, which is a post 8 ft. long, 6 ins. square, with mound and pits and
	Set a sand stone 10 x 10 x 6 ins. 6 ins. in the ground for Closing Cor. to Secs. 7-18 marked E. C. with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins, N. S. E. of stone ~~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 57 W.

6th Principal Meridian.

Chains	North, between Sections 7 and 8 Variation 16° East.
	Over rolling land
40.00	Set a sand stone 20x14x10 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.
80.00	Set a sand stone 18x16x12 ins. 12 ins. in the ground for Cor. to Secs. 5-6-7-8 marked with 5 notches on S. and 5 notches on E. edges, dug pits 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 rolling
	Soil 2d & 3d. rate
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 50' East.
	Over rolling land
18.00	Ascend.
23.00	Top of Spur, bears N. W. & S. E. and descend.
40.00	Set temporary 1/4 sec. cor.
80.13	Intersect N. & S. line, 10 lks. South of cor. to secs. 4-5-8-9 from which corner, I run S. 89° 56' W. on a true line between sections 5-8 Variation 16° East.
40.07	Set a sand stone 14x12x8 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.
80.13	The corner to sections 5-6-7-8.
	Land rolling.
	Soil 2d-3d rate.
	Vegetation Bunchgrass.

Township 29 N. Range 57 W.

6th Principal Meridian

Chains	West, on a ~~random~~ true line between Sections 6 and 7. Variation 16° East.
15.34	Intersect Boundary line between Nebraska and Wyoming at a point which bears N. 19.68 chs. dist. from the 104th Mile post, which is a post 8 ft. long 6 ins. square with mound and pits. and Set a sand stone 16 x 10 x 8 ins. 10 ins. in the ground for closing Cor. to Secs. 6-7 marked C. C. with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. N. N. S. E. of stone ~~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 57 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 5 and 6. Variation 16° East.
	Over rolling land
16.00	Ascend
22.00	Top of Spur, bears E. and W. and descend.
40.00	Set temporary ¼ sec. cor.
80.19	Intersect N. B. of Tp. 17 lks. East of cor. to secs. 5-6-31-32 from which corner I run S 7' E. on a true line, between sections 5-6. Variation 15° 50' East.
40.19	Set a sand stone 4 x 9 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor. marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.19	The corner to sections 5-6-7-8
	Land rolling.
	Soil 2d - 3d. rate.
	Vegetation Bunchgrass.
	Jan. 2nd 1882

GENERAL DESCRIPTION.

The land in this Township is generally mountainous.
The soil is 2d. & 3d. rate.
The vegetation consists of Bunchgrass.
It is well adapted to grazing & agriculture.

U. S. Surveyor-General's Office.

Plattsmouth Nob.

August 31st 1882

The foregoing Field Notes of the surveys of

Subdivision lines of Tp.

No. 29 N. R. 57 W. of

Principal Base Line

Meridian

in the state of Nebraska executed by

M. F. Reilly

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

September 22nd 1881

in the months of Dec. & Jan. 1881 & 82

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. & Nob.

M. F. Reilly. Deputy Surveyor.

T. 30 N. R. 37 W.

6th. Principal. Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 30 N. Range 37 W.

6th. Principal. Meridian.

BY

M. F. Reilly. Deputy Surveyor.

Under his Contract of Sept. 22nd. 1881.

Survey Commenced Dec. 20th 1881.

Survey Completed Dec. 26th 1881.

Platted,
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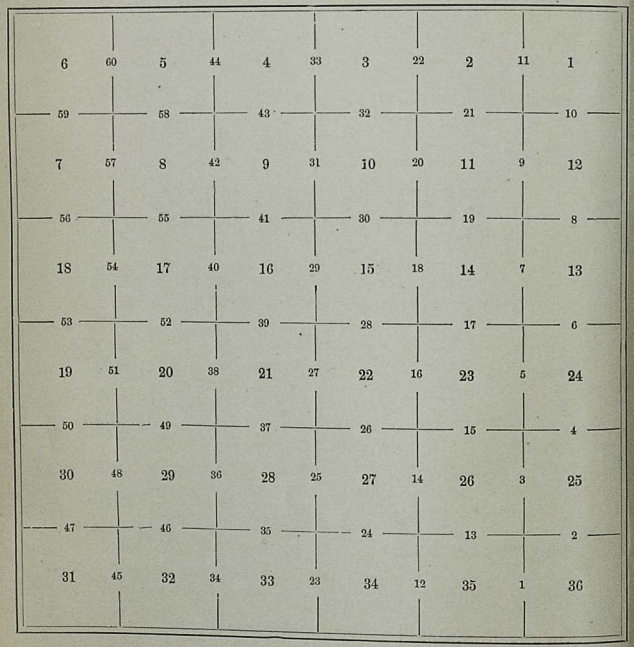
Township..... Range.....

.....Meridian.



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

.....Meridian.

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

..... Meridian.

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

..... Meridian.

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

Township 30 N. Range 57 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° 15' East.
	Ascend.
20.00	Top of Spur, bears N.W. & S.E. Gd, descend.
40.00	Set a sand stone 14 x 6 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face. dug pits, 18 x 18 x 12 ins., 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.
71.75	Cross Gulch, 50 lks. wide, Course S. 80° E. and ascend.
77.00	Top of Spur, bears S. 70° E. & N. 70° W. Gd, descend.
80.00	Set a sand stone 12 x 12 x 8 ins., 8 ins. in the ground for Cor. to Secs. 25-26-35-36 marked with 1 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 25 and 36.
	Variation 15° 30' East.
	Descend.
5.43	Cross Gulch, 25 lks. wide, Course S. 65° E. and ascend.
11.50	Top of Spur, bears S.E. & N.W. Gd, descend.
22.50	Cross Gulch, 200 lks. wide, Course N. 85° E. and ascend.
40.00	Set temporary 1/4 Sec. Cor.
80.13	Intersect E. B. of Tp. 10 lks. South of Cor. to Secs. 30-31-25-36 from which corner, Drum S. 89° 56' W. on a true line between sections 25-36.
	Variation 15° 30' East.
40.07	Set a sand stone 12 x 10 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., W. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.13	The corner to Sections 25-26-35-36.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, between Sections 25 and 26 Variation 15° 30' East.
	Descend.
3.00	Cross Gulch, 30 lks. wide, Course S. 65° E. and ascend.
12.25	Top of Spur, bears S. E. & N. W. and descend.
33.50	Cross Gulch, 20 lks. wide, Course East and ascend.
37.75	Top of Bluff, bears E. & W. and descend.
40.00	Set a Sand Stone 18 x 16 x 16 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base.
58.00	Cross Gulch, 35 lks. wide, Course S. 40° E. and ascend.
80.00	Set a sand stone 18 x 12 x 8 ins. 12 ins. in the ground for Cor. to Secs. 23-24-25-26 marked with 2 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 36' East.
	Ascend.
1.25	Top of bluff bears N. W. & S. E. and, descend
11.25	Cross Gulch, 20 lks. wide, Course S. 10° E. and, ascend.
32.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. Cor.
45.59	Cross Gulch, 25 lks. wide, Course S. 45° E. and, ascend.
79.74	Intersect E. B. of Tp. 19 lks. South of corner to secs. 24-25-19-30 from which corner, Bears S. 89° 52' W. on a true line, between sections 24-25.
	Variation ~~15°~~ 16° 36' East.
39.87	Set a sand stone 11 x 9 x 7 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. W. and S. of Stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.74	The corner to Sections 23-24-25-26.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 15° 36' East.
	Ascend.
1.00	Top of bluff bears N. W. & S. E. and descend.
31.25	Cross Gulch, 20 lks. wide, Course S. 80° W. and ascend.
40.00	Set a sand stone 16 x 14 x 7 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.
64.00	Top of Spur, bears E. & W. and descend.
80.00	Set a sand stone 20 x 10 x 10 ins. 15 ins. in the ground for Monument to Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone. 4 ft. high, 8 ft. base. Pits impracticable.
	Land rolling.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 15° 18' East.
	Ascend.
12.50	Top of Spur, bears N. E. & S. W. and descend.
18.43	Cross Gulch, 50 lks. wide, Course N. 45° E. and ascend.
32.50	Top of Spur, bears N. 30° E. & S. 30° W. and descend.
40.00	Set temporary 1/4 sec. cor.
43.00	Cross Gulch, 120 lks. wide, Course N. 10° W. and ascend.
54.00	Top of Spur, bears N. & S. and descend.
69.00	Leave hill bears N. & S.
79.96	Intersect E. B. of Tp. 8 lks. South of cor. to secs. 18-19-13-24 from which corner, Drun S. 89° 57' W. on a true line, between sections 13-24.
	Variation ~~16°~~ 15° 18' East.
39.98	Set a sand stone 14 x 10 x 10 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. 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.
79.96	The corner to sections 13-14-23-24.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	North, between Sections 13 and 14. Variation 15° 18' East.
	Descend.
3.30	Cross Road, from Ft. Laramie to Ft. Robinson bears E. & W.
40.00	Set a sand stone 18x10x8 ins., 12 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.
54.00	Cross Gulch, 250 lks. wide, Course N.E.
80.00	Set a sand stone 10x10x8 ins. 6 ins. in the ground for Cor. to secs. 11-12-13-14 marked with 4 notches on S. and 1 notch on E. edges, dug pits 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 rolling.
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13. Variation 15° 20' East.
	Descend.
28.00	Cross Gulch, 50 lks. wide, Course N. 70° E.
40.00	Set temporary 1/4 Sec. cor.
74.00	Enter dry Wash Course N. 85° E.
80.21	Intersect E.B. of Tp. 28 lks. North of cor. to secs. 12-13-7-18 from which corner, Run N. 89° 48' W., on a true line, between sections 12-13.
	Variation 15° ~~30'~~ 20' East.
40.11	Set a sand stone 18x8x6 ins., 12 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.
80.21	The corner to sections 11-12-13-14.
	Land rolling.
	Soil 2d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains — North, between Sections 11 and 12.
Variation 15° 20' East.

Ascend.
11.50 Top of Spur, bears N.W. & S.E. and descend.
40.00 Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of Stone 3½ ft. dist., and raised a mound of Earth 1½ ft. high, 3½ ft. base.
43.00 Cross Gulch, 30 lks. wide, Course S.E. and ascend.
80.00 Set a sand stone 14 x 10 x 8 ins. 10 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 12½ ins. in each Sec., 3½ ft. dist., and raised a mound of Earth 2 ft. high 4½ ft. base.
Land mountainous
Soil 3d. rate
Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains — East, on a random line between Sections 1 and 12.
Variation 15° 20' East.

Ascend.
26.00 Top of Spur, bears N.W. & S.E. and descend.
40.00 Set temporary ¼ Sec. Cor.
50.00 Enter Valley, bears N. & S.
75.30 Cross Running Water Creek, 30 lks. wide, Course S.W.
80.07 Intersect E. B. of Tp. 18 lks. North of Cor. to Secs. 6-7-1-12 from which corner, Mound N. 87° 52' W. on a true line, between sections 1-12.
Variation 15° ~~20'~~ 25' East.
40.04 Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of Stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.07 The corner to Sections 1-2-11-12.
Land mountainous
Soil 3d. rate.
Vegetation Bunchgrass.

Township 30 N Range 57 W

6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 15° 20' East.
	Ascend.
24.00	Top of Spur, bears N.W. & S.E. and descend.
35.00	Cross Gulch, 20 lks. wide, Course East and ascend.
40.00	Set temporary 1/4 sec. cor.
44.00	Cross Gulch, 30 lks. wide, Course N. 80° E.
56.08	Top of Spur, bears N. 80° E. & S. 80° W. and descend.
69.00	Enter Valley, bears N.W. & S.E.
80.13	Intersect N.B. of Tp. 36 lks. West of cor. to secs. 1-2-35-36 from which corner, Run S. 15' W. on a true line, between sections 1-2. Variation 15° ~~20~~ 20' East.
40.13	Set a sand stone 13 x 8 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.
80.13	The corner to sections 1-2-11-12.
	Land 69.00 lks. mountainous Balance level.
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.
	Dec. 20.-1881.

Township 30 N Range 57 W

6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 15° 30' East.
	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. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
64.30	Top of Ridge, bears E. & W. and descend.
80.00	Set a sand stone 16 x 13 x 8 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., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

East, on a random line between Sections 26 and 35.
Variation 15° 30' East.

Chains

Ascend.
33.50 Top of Spur, bears N. W. and descend.
40.00 Set temporary ¼ sec. cor.
48.00 Cross Gulch, 10 lks. wide, Course S. 30° E. and ascend.
61.00 Top of Spur, bears S. E. & N. W. and descend.
80.31 Intersect N. & S. line, 22 lks. North of cor. to secs. 25-26-35-36 from which corner, Spur bears N. 89° 51' W. on a true line between sections 26-35.

Variation 15° 30' East.
40.16 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, 8 x 18 x 12 ins, N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.31 The corner to sections 26-27-34-35.
Land mountainous.
Tril 3d. rate.
Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

North, between Sections 26 and 27.
Variation 15° 30' East.

Chains

Descend.
40.00 Set a sand stone 14 x 8 x 8 ins, 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins, E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
56.60 Cross Gulch, 15 lks. wide, Course N. 30° W. and ascend.
66.00 Top of Spur, bears S. E. & N. W. and descend.
73.00 Cross low Sag and ascend.
80.00 Set a sand stone 14 x 12 x 10 ins. 16 ins. in the ground for Cor. to Secs. 22-23-26-27 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
Tril 3d. rate.
Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

East, on a random line between Sections 23 and 26.
Variation 15° 36' East.

Chains	
	Descend.
10.60	Cross low Sag and ascend.
28.50	Top of Spur, bears S. E. & N. W. and descend.
40.00	Set temporary ¼ sec. cor.
47.00	Cross Gulch, 16 lks. wide, Course N. 20° W. and ascend.
79.98	Intersect N. & S. line 28 lks. North of cor. to secs. 23-24-25-26 from which corner bears N. 89° 48' W. on a true line between sections 23-26.
	Variation 15° 36' East.
39.99	Set a sand stone 16 x 8 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., W. and S. of Stone 5½ ft. dist. and raised a mound of Earth 1½ ft. high, 3½ ft. base.
79.98	The Corner to Sections 22-23-26-27.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

North, between Sections 22 and 23.
Variation 15° 36' East.

Chains	
	Ascend.
15.50	Top of Spur, bears E. & W. and descend.
22.00	Enter Flat bears S. 30° E. & N. 30° W.
37.50	Leave Flat bears S. 30° E. & N. 30° W. and ascend.
40.00	Set a sand stone 12 x 12 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Top of Spur, bears S. E. & N. W. and descend.
72.00	Cross Gulch, 20 lks. wide Course N. 30° W. and ascend.
78.35	Cross Road from Ft. Laramie to Ft. Robinson bears N. 65° E. & S. 65° W.
80.00	Set a sand stone 14 x 12 x 8 ins. 10 ins. in the ground for Cor. to Secs. 14-15-22-23 marked with 3 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 15° East.
	Ascend.
3.87	Cross Road from Ft. Laramie to Ft. Robinson bears N. 65° E. & S. 65° W.
12.68	Top of Spur bears N.W. & S.E. and descend.
19.00	Cross low Sag and ascend.
23.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
79.86	Intersect N. & S. line, 31 lks. North of cor. to secs. 13-14-23-24 from which corner, Run N. 89° 47' W. on a true line between sections 14-23.
	Variation 15° ~~18~~' East.
39.93	Set a sand stone 12 x 10 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.
79.86	The corner to sections 14-15-22-23.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 15° East.
	Ascend.
7.00	Top of Spur, bears E. & W. and descend.
22.00	Cross low Sag and ascend.
37.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
40.00	Set a sand stone 14 x 6 x 6 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., 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.
44.00	Cross Gulch, 10 lks. wide, Course S. 70° E. and ascend.
52.00	Top of Spur, bears E. & W. and descend.
80.00	Set a sand stone 10 x 8 x 8 ins. 6 ins. in the ground for Cor. to secs. 10-11-14-15 marked with 4 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 15' East.
	Ascend.
19.50	Top of Spur, bears S. 20° E. & N. 20° W. and descend.
32.00	Cross Gulch, 10 lks. wide, Course South and ascend.
36.00	Top of Spur, bears N. & S. and descend.
40.00	Set temporary 1/4 sec. cor.
80.16	Intersect N. & S. line, 18 lks. South of cor. to secs. 11-12-13-14 from which corner, Drun S. 89° 52' W. on a true line between sections 11-14.
	Variation 15° ~~20'~~ 15' East.
40.08	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.
80.16	The corner to sections 10-11-14-15.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 15° 15' East.
	Descend.
8.00	Cross low Sag and ascend.
16.00	Top of Spur, bears N. W. & S. E. and descend.
32.70	Cross Gulch, 10 lks. wide, Course S. 20° E. and ascend.
40.00	Set a sand stone 10 x 6 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.
42.80	Cross Gulch, 15 lks. wide, Course S. 25° E.
76.00	Top of Spur, bears E. & W. and descend.
80.00	Set a sand stone 11 x 10 x 8 ins. 8 ins. in the ground for Cor. to secs. 2-3-10-11 marked with 5 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

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

Chains	East, on a random line between Sections 2 and 11. Variation 16° East.
	Descend.
3.00	Cross Gulch, 40 lks. wide, Course S. 65° E. and ascend.
5.00	Top of Ridge, bears N. & S. and descend.
40.00	Set temporary ¼ sec. cor.
80.26	Intersect N. B. & M. line, 34 lks. North of cor. to secs. 1-2-11-12 from which corner, Drum Mt. 89° 45' W., on a true line between sections 2-11.
	Variation ~~15°~~ 16° ~~20'~~ East.
40.13	Set a sand stone 12 x 12 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., 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 2-3-10-11.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

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

Chains	North, on a random line between Sections 2 and 3. Variation 16° East.
	Descend.
7.50	Cross Gulch, 30 lks. wide, Course S. 65° E. and ascend.
16.00	Top of Spur, bears N. & S. and E. and descend.
21.50	Cross low Sag and ascend.
31.50	Top of Spur, bears E. & W. and descend.
38.00	Cross Gulch, 10 lks. wide, Course S. 20° W. and ascend.
40.00	Set temporary ¼ sec. cor.
79.89	Intersect N. B. of T. 40 lks West of cor. to secs. 2-3-34-35 from which corner, Drum Mt. S. 4° W., on a true line, between sections 2-3.
	Variation ~~15°~~ 16° ~~45'~~ East.
39.89	Set a sand stone 16 x 12 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.
79.89	The corner to sections 2-3-10-11.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my solar compass today, particularly the latitude and pendulum apparatus, and found them correct.
	Dec. 21-1881.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

North, between Sections 33 and 34.

Variation 15° 15' East.

Chains	
	Ascend.
4.00	Top of hill bears E. & W. and descend.
17.00	Enter Flat bears E. & W.
40.00	Set a sand stone 10 x 10 x 5 ins., 6 ins in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. 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.
45.00	Leave Flat bears E. 1/2 N. and ascend.
53.00	Top of Spur, bears S. 65° E. & N. 65° W. and descend.
80.00	Set a sand stone 10 x 8 x 8 ins. 6 ins. in the ground for cor. to secs. 27-28-33-34 marked with 1 notch on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

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

Variation 16° East.

Chains	
	Ascend.
10.00	Top of Spur, bears N. & S. and descend.
16.50	Enter Flat bears N. & S.
25.00	Leave Flat bears N. & S. and ascend.
33.00	Top of Spur, bears N. 15° W. & S. 15° E. and descend.
40.00	Set temporary 1/4 sec. cor.
58.00	Cross low Flat and ascend.
79.94	Intersect N. & S. line, 16 lks North of cor. to secs. 26-27-34-35 from which corner Sun N. 89° 53 1/2 W. on a true line between sections 27-34.
	Variation ~~15°~~ 16° 30' East.
39.97	Set a sand stone 12 x 8 x 8 ins., 8 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of Stone 5 1/2 ft. dist., and raised a mound of Earth 1 1/2 ft. high, 3 1/2 ft. base.
79.94	The corner to Sections 27-28-33-34
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

Chains	North, between Sections 27 and 28. Variation 16° East.
	Ascend.
17.00	Top of Spur, bears E. & W. and descend.
27.00	Cross Gulch, 20 lks. wide, Course S. 70° E. and ascend.
35.00	Top of Spur, bears N.W. & S.E. and descend.
40.00	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for 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 low Sag and ascend.
68.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
80.00	Set a sand stone 18 x 16 x 8 ins. 12 ins. in the ground for Cor. to Secs. 21-22-27-28 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

Chains	East, on a random line between Sections 22 and 27. Variation 16° 06' East.
	Ascend.
11.60	Top of Spur, bears N. & S. and descend.
29.00	Cross Gulch, 16 lks. wide, Course N. 15° W. and ascend.
40.00	Set temporary 1/4 sec. cor.
58.00	Top of Spur, bears N.W. & S.E. and descend.
79.82	Intersect N. & S. line, 14 lks. North of cor. to secs. 22-23-26-27 from which corner, Run N. 89° 54' W. on a true line between sections 22-27.
	Variation ~~15°~~ ~~26'~~ 16° 06' East.
39.91	Set a sand stone 10 x 8 x 8 ins., 6 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.82	The corner to sections 21-22-27-28.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, between Sections 21 and 22. Variation 16° 06' East.
5.00	Enter Flat bears E. & W.
40.00	Set a sand stone 10 x 10 x 8 ins., 6 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
114.50	Cross Road from Ft. Robinson to Ft. Laramie bears N. 75° E. & S. 75° W.
67.00	Leave Flat bears E. & W. and ascend.
80.00	Set a sand stone 16 x 14 x 10 ins., 10 ins. in the ground for cor. to secs. 15-16-21-22, marked with 3 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec., 5 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base.
	Land level.
	Soil 2d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 16° 15' East.
	Ascend.
8.00	Top of Spur, trav. N. & S. and descend.
35.00	Cross Gulch, 30 lks. wide, Course S. 20° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
71.00	Cross Gulch, 15 lks. wide, Course North.
80.04	Intersect N. & S. line, 26 lks. South of cor. to secs. 15-16-21-22, from which corner, Sunset N. 89° 49' W. on a true line between sections 15-22.
	Variation ~~15°~~ 16° 15' East.
40.02	Set a sand stone 14 x 8 x 6 ins., 10 ins. in the ground, for 1/4 Sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
80.04	The corner to sections 15-16-21-22.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, between Sections 15 and 16. Variation 16° 15' East.
	Ascend.
9.00	Top of Spur, bears E. & W. and descend.
18.00	Enter Flat bears E. & W.
37.00	Cross low Sag 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 5½ ft. dist, and raised a mound of earth 1½ ft. high, 3½ ft. base.
49.00	Top of Spur, bears S. 80° E. & N. 80° W. and descend.
80.00	Set a sand stone 14 x 10 x 6 ins. 10 ins. in the ground for Cor. to Secs. 9-10-15-16 marked with 4 notches on S. and 3 notches on E. edges, dug pits 16 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.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	East, on a random line between Sections 10 and 15. Variation 16° 15' East.
	Ascend.
9.00	Top of Spur, bears W. & W. and descend.
35.00	Cross low Sag and ascend.
37.40	Top of Spur, bears W. & W. and descend.
40.00	Set temporary 1/4 Sec. Cor.
64.82	Cross Gulch 80 lks. wide, Course North and ascend.
79.84	Intersect W. & W. line, 12 lks. South of Cor. to Secs. 10-11-14-15 from which corner, Bears S. 89° 55' W. on a true line between sections 10-15.
	Variation 16° 15' East.
39.92	Set a sand stone 14 x 10 x 4 ins., 10 ins. in the ground. for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of Stone 5½ ft. dist, and raised a mound of Earth 1½ ft. high, 3½ ft. base.
79.84	The corner to Sections 9-10-15-16
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

North, between Sections 9 and 10.
Variation 16° 15' East.

Chains	
	Ascend.
12.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
24.36	Cross Gulch, 20 lks. wide, Course S. 80° E. and ascend.
35.00	Top of Spur, bears E. & W. and descend.
40.00	Set a sand stone 10 x 10 x 8 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
49.00	Cross Gulch, 15 lks. wide, Course S. 70° E. and ascend.
55.00	Top of Spur, bears S. 60° E. & N. 60° W. and descend.
68.12	Cross Gulch, 20 lks. wide, Course S. 55° E. and ascend.
80.00	Set a sand stone 16 x 13 x 6 ins. 10 ins. in the ground for Cor. to Secs. 3-4-9-10 marked with 5 notches on N. 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 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

East, on a random line between Sections 3 and 10.
Variation 16° 18' East.

Chains	
	Descend.
19.20	Cross Gulch, 24 lks. wide, Course S. 70° E. & ascend.
23.00	Top of Spur, bears S. 40° E. & N. 40° W. & descend.
40.00	Set temporary ¼ sec. cor.
49.00	Cross Gulch, 6 lks. wide, Course S. 30° E. and ascend.
70.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
79.94	Intersect N. & S. line, 16 lks. South of cor. to Secs. 2-3-10-11 from which corner, Burn S. 89° 53' W. on a true line between sections 3-10.
	Variation 16° 18' East.
39.97	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., W. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.94	The corner to Sections 3-4-9-10.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.

6th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 16° 18' East.
	Ascend.
12.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
36.50	Cross Gulch, 20 lks. wide, Course S. 50° E. and ascend.
40.00	Set temporary 1/4 sec. cor.
43.00	Top of Spur, bears N. W. & S. E. and descend.
71.00	Cross Gulch, 10 lks. wide, Course S. 60° E. and ascend.
79.78	Intersect N. P. of Tp. 6 lks. East of cor. to secs. 3-4-33-34 from which corner, Run S. 3° E. on a true line, between sections 3-4. Variation ~~15° 45'~~ 16° 18' East.
39.78	Set a sand stone 13 x 11 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 4 W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.78	The corner to sections 3-4-9-10.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.
	Dec. 22. 1881.

Township 30 N. Range 57 W.

6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 15° 15' East.
	Ascend.
33.00	Top of Spur, bears S. 80° E. & N. 80° W. and descend.
40.00	Set a sand stone 10 x 10 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 4 W. of Stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
66.00	Top of Spur, bears S. 77° E. & N. 77° W. and descend.
74.00	Cross low Sag and ascend.
80.00	Set a sand stone 16 x 14 x 8 ins. 10 ins. in the ground for Cor. to secs. 28-29-32-33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.

6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 16° 45' East.
	Ascend.
30.00	Top of Spur, bears S. 30° E. & N. 30° W. and descend.
40.00	Set temporary 1/4 sec. cor.
46.00	Cross low Sag and ascend.
58.00	Top of Spur, bears N. & S. and descend.
79.78	Intersect N. & S. line, 28 lks. South of cor. to secs. 27-28-33-34 from which corner, Run S. 89° 48' W. on a true line between sections 28-33.
	Variation 16° 45' East.
39.89	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base.
79.78	The corner to sections 28-29-32-33.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.

6th Principal Meridian.

Chains	North, between Sections 28 and 29. Variation 16° 45' East.
	Ascend.
13.00	Foot of Spur, bears S. 20° E. & N. 20° W. and continue ascent.
21.50	Top of Spur, bears S. 20° E. & N. 20° W.
40.00	Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. 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.
45.60	Top of Spur, bears S. 35° E. & N. 35° W. and descend.
80.00	Set a sand stone 13 x 12 x 8 ins. 8 ins. in the ground for Cor. to secs. 20-21-28-29 marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 S. Range 57 W.
6th. Principal Meridian.

East, on a random line between Sections 21 and 28.
Variation 15° 50' East.

Chains	
	Ascend.
23.00	Top of Spur, bears S. 20° E. & N. 20° W. and descend.
40.00	Set temporary ¼ sec. cor.
48.00	Cross low Sag and ascend.
61.00	Top of Spur, bears W. & E. and descend.
79.96	Intersect N. & S. line, 23 lks. South of cor. to secs. 21-22-27-28 from which corner bears S. 89° 50 W. in a true line between sections 21-28.
	Variation ~~15° 0'~~ 15° 50' East.
39.98	Set a sand stone 9 x 9 x 7 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.96	The corner to Sections 20-21-28-29.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 S. Range 57 W.
6th. Principal Meridian.

North, between Sections 20 and 21.
Variation 15° 50' East.

Chains	
4.50	Ascend.
13.00	Top of Spur, bears S. 80° E. & N. 80° W. and descend.
29.89	Cross Road from W. Laramie to W. Robinson bears S. 57° E. & N. 57° W.
34.40	Cross Gulch, 8 lks. wide, Course S. 70° E. and ascend.
40.00	Set a sand stone 16 x 8 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
44.00	Top of Spur, bears S. 75° E. & N. 75° W. and descend.
65.00	Cross low Sag and ascend.
80.00	Set a Line Stone 13 x 11 x 8 ins. 8 ins. in the ground for Cor. to Sec. 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 of Sec., 3½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

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

Chains	
	Ascend.
6.00	Top of Spur, trees f. 25° E. & N. 25° W. and descend.
40.00	Set temporary ¼ sec. cor.
80.26	Intersect N. & S. ¼ line, 12 lks. North of cor. to secs. 15-16-21-22 from which corner, Sun N. 89° 55' W. on a true line between sections 16-21.
	Variation 16° E. East.
40.13	Set a sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and S. of stone 5½ ft. dist., and raised a mound of Earth 1½ ft. high, 3½ ft. base.
80.26	The corner to sections 16-17-20-21.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

North, between Sections 16 and 17.
Variation 16° East.

Chains	
	Ascend.
11.00	Top of Spur, trees f. 60° E. & N. 60° W. and descend.
27.00	Cross low Sag and ascend.
40.00	Set a sand Stone 10 x 10 x 6 ins., 6 ins. in the ground, for ¼ Sec. cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of Earth 1½ ft. high, 3½ ft. base.
46.00	Cross Gulch, 20 lks. wide, Course f. 60° E.
58.00	Top of Spur, trees f. 6° & N. W. and descend.
80.00	Set a sand Stone 12 x 8 x 5 ins. 8 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with 4 notches on f. 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 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

East, on a random line between Sections 9 and 16.
Variation 16° 30' East.

Chains	
	Ascend.
5.50	Top of Spur, bears S. 20° E. & N. 20° W. and descend.
20.00	Cross low Sag and ascend.
28.00	Top of Spur, bears S. 15° E. & N. 15° W. and descend.
40.00	Set temporary ¼ sec. cor.
53.00	Cross low Sag and ascend.
68.50	Top of Spur, bears N. & S. and descend.
79.90	Intersect N. & S. line 6 lks. North of cor. to secs. 9-10-15-16 from which corner, Drum M. 89° 57' W. on a true line between sections 9-16.
	Variation 16° ~~15'~~ 30' East.
39.95	Set a sand stone 10 x 8 x 5 ins., 6 ins. in the ground, for ¼ Sec. cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.90	The corner to Sections 8-9-16-17.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

North, between Sections 8 and 9.
Variation 16° 30' East.

Chains	
	Ascend.
9.00	Top of Spur, bears S. 20° E. & N. 20° E. and descend.
23.00	Enter Flat bears E. & W.
46.00	Set a sand stone 14 x 12 x 8 ins., 10 ins. in the ground, for ¼ Sec. cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
49.00	Leave Flat bears E. & W. and ascend.
55.00	Top of Spur, bears E. & W. and descend.
80.00	Set a sand stone 19 x 16 x 14 ins., 15 ins. in the ground for cor. to secs. 4-5-8-9 marked with 5 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec., 5½ ft. dist., and raised a mound of Earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 16° East.
	Ascend.
34.60	Top of Spur, bears S. 20° E. & N. 20° W. and descend.
40.00	Set temporary ¼ sec. cor.
55.00	Cross Gulch, 40 lks. wide, Course S. 40° E. and ascend.
61.00	Top of Spur, bears S. 15° E. & N. 15° W. and descend.
80.21	Intersect N. S. line, 10 lks. North of cor. to secs. 3-4-9-10 from which corner, Drum N. 89° 30' W. on a true line between sections 4-9. Variation 16° ~~E~~ East.
40.11	Set a sand stone 13 x 9 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.
80.21	The corner to Sections 4-5-8-9.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 16° East.
	Ascend.
15.00	Top of Spur, bears S. 70° E. & N. 70° W. and descend.
40.00	Set temporary ¼ sec. cor.
80.10	Intersect N. S. of ¶. 11 lks. East of cor. to secs. 4-5-32-33 from which corner, Drum S. 6° E. on a true line, between sections 4-5. Variation ~~15°~~ 16° ~~E~~ East.
40.10	Set a sand stone 11 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.
80.10	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 vertical and reversing appliances, and found them correct.
	Dec. 23-1881

Township 30 N. Range 57 W.
6th. Principal Meridian.

North, between Sections 31 and 32.

Chains		Variation East.
	Over rolling land.	
22.00	Enter Sag. Course S. 65° E.	
34.00	Leave Sag. Course S. 65° E. & ascend.	
40.00	Set a sand stone 13 x 11 x 8 ins., 5 ins. in the ground, for 1/4 Sec. bo., 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.	
43.00	Top of Spur, brass N. 50° W. & S. 50° E. and descend.	
45.00	Enter Flat brass N. 50° W. & S. 50° E.	
58.00	Leave Flat brass E. & W. and ascend.	
80.00	Set a sand stone 19 x 17 x 15 ins. 15 ins. in the ground for bo. to Secs. 29-30-31-32 marked with notch on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.	
	Top of Spur, brass N. 60° W. & S. 60° E.	
	Land mountainous.	
	Soil 3d. rate.	
	Vegetation Bunchgrass.	

Township 30 N. Range 57 W.
6th. Principal Meridian.

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

Chains		Variation 15° 20' East.
	Descend.	
23.00	Cross low Sag.	
40.00	Set temporary 1/4 sec. co.	
53.00	Cross Gulch, 100 lks. wide, Course North and ascend gradually over rolling land.	
80.08	Intersect N. & S. line 41 lks. South of cor. to secs 28-29-32-33 from which corner, Dunn S. 89° 52' W., a true line between sections 29-32.	
	Variation ~~15°~~ 15° 20' East.	
40.04	Set a sand stone 10 x 8 x 7 ins., 6 ins. in the ground, for 1/4 Sec. bo., 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.	
80.08	The corner to Sections 29-30-31-32.	
	Land rolling.	
	Soil 2d. & 3d. rate.	
	Vegetation Bunchgrass.	

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 30 and 31. Variation 15° 20' East.
	Descend.
3.20	Cross low Sag and ascend.
15.40	Intersect Boundary line between Nebraska and Wyoming at a point which bears N. 20 E. 27 lks. dist. from the 106 th Mile post, which is a post 8 ft. long, 6 ins. square, with mound and pits and Set a sand stone 14 x 10 x 8 ins. 10 ins. in the ground for closing Cor. to Secs. 30 x 31 marked C. C. with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. N. S. & E. of stone 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base.
	Land rolling.
	Soil 2nd. & 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, between Sections 29 and 30. Variation 15° 20' East.
	Descend.
2.00	Cross low Sag and ascend.
22.00	Top of Spur, bears E. & W. and descend.
39.00	Cross Gulch, 80 lks. wide, Course S. 30° E. and ascend.
40.00	Set a sand stone 12 x 8 x 6 ins. 8 ins. in the ground. for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
48.00	Top of Spur, bears E. & W. and descend.
53.00	Cross low Sag and ascend.
55.00	Top of Spur. Bears E. & W. and descend.
80.00	Set a sand stone 10 x 10 x 7 ins. 6 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins., in each Sec., 5½ ft. dist., and raised a mound of Earth 2 ft. high 4½ ft. base
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W
6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 15° 20' East.
	Descend
11.00	Cross low Sag and ascend
15.00	Top of Spur, bears N. 10° W. & S. 10° E. and descend.
21.00	Cross Gulch, 60 lks. wide, Course S. 70° E. and ascend
24.00	Top of Spur, bears N. 20° W. & S. 20° E. and descend.
30.00	Enter Flat bears N. & S.
40.00	Set temporary ¼ sec. cor.
54.00	Leave Flat bears N. & S. and ascend.
68.00	Top of Spur bears N. W. & S. E. and descend.
79.69	Intersect N. & S. line, 4 lks. south of cor. to secs. 20-21-28-29 from which corner, Pound S. 89° 57' W., on a true line between sections 20-29.
	Variation 15° 20' East.
39.85	Set a sand stone 12 x 10 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.69	The corner to Sections 19-20-29-30.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W
6th Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 19 and 30. Variation 15° 20' East.
	Over rolling land.
15.58	Intersect Boundary line between Nebraska and Wyoming at a point ~~which bears~~ ~~North 21.36 lks. dist.~~ 21.36 lks. dist. from the 107th Mile post, which is a post 8 ft. long 6 ins. square, with mound and pits and Set a sand stone 13 x 10 x 4 ins. 8 ins. in the ground for Closing Cor. to Secs. 19-30. marked C. C. with 2 notches on E. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. N. S. & E. of Stone, 3½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land rolling
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

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

Chains	
	Descend.
5.00	Cross low Sag and ascend.
8.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
24.88	Cross Road from Ft. Robinson to Ft. Laramie bears E. & W.
40.00	Set a sand stone 13 x 10 x 4 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 5 1/2 ft. dist., and raised a mound of Earth 1 1/2 ft. high, 3 1/2 ft. base in low Sag and ascend.
45.00	Top of Spur, bears N. 35° W. & S. 35° E. & descend.
54.00	Cross low Sag and ascend.
60.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
80.00	Set a sand stone 12 x 12 x 8 ins. 8 ins. in the ground for Cor. to Secs. 17-18-19-20 marked with 3 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of Earth 2 ft. high, 4 1/2 ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal. Meridian.

East, on a random line between Sections 17 and 20.
Variation 15° 33' East.

Chains	
	Ascend.
11.50	Top of Spur, bears N. W. & S. E. and descend.
41.00	Set temporary 1/4 sec. Cor.
46.00	Cross low Sag and ascend.
68.00	Top of Spur, bears N. & S. and descend.
79.90	Intersect N. & S. line 3 Wks. North of Cor. to Secs. 16-17-20-21 from which corner, Bears N. 89° 47' W., on a true line between sections 17-20. 15° 33' E. Variation 16° East.
39.95	Set a sand stone 12 x 12 x 5 ins., 5 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., W. and E. 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	The corner to Sections 17-18-19-20.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 18 and 19. Variation 15° 33' East.
	Ascend.
10.00	Top of Spur, bears N. W. & S. E. and descend.
15.30	Intersect Boundary line between Nebraska and Wyoming at a point ~~North 21.73 Chs. dist.~~ from the 10 th. Mile post which is a post 8 ft. long, 6 ins. square, with mound & pits and
	Set a sand stone 13 x 8 x 6 ins. 8 ins. in the ground for Closing Cor. to Sec. 18-19 marked C. C with 3 notches on S. and 3 notches on W. edges. dug pits 18 x 18 x 12 ins. N. 5 E. of Stone, 3½ ft. dist. and raised a mound of Earth 2 ft. high 4½ ft. base.
	Land rolling.
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.
6th. Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 15° 33' East.
	Ascend.
8.00	Top of Spur, bears W. W. & S. E. and descend.
11.00	Enter Sag. Course N. 30 W.
40.00	Set a Sand Stone 12 x 10 x 4 ins, Sunk 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	Leave Sag. Course West & ascend.
80.00	Set a post 4 ft. long, 4 ins. square. 12 ins. in the ground, for Cor. to Sec 7-8-17-18 marked T. 30 N. S. 8 on W. E. R. 5 W. S. 17 on S. E. S. 18 on S. W. and S. on W. W. face, with 4 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec, 3½ ft. dist, and raised a mound of Earth 2 ft. high, 4½ ft. base around post.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.
	Dec. 24. 1881.

Township 30 N. Range 57 W.

6th Principal Meridian

Chains	East, on a random line between Sections 8 and 17. Variation 15° 33' East.
	Descend.
11.00	Cross low Sag and ascend.
19.50	Top of Spur, bears S. 10° E. & N. 10° W. and descend.
27.00	Cross low Sag and ascend.
40.00	Set temporary 1/4 sec. cor.
80.22	Intersect N. & S. line, 19 lks. North of cor. to secs. 8-9-16-17 from which corner, I run N. 89° 52' W. on a true line between sections 8-17.
	Variation ~~16° 30'~~ 15° 33' East.
40.11	Set a sand stone 13 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.
80.22	The corner to sections 7-8-17-18.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.

6th Principal Meridian.

Chains	West, on a ~~random~~ true line between Sections 7 and 18. Variation 15° 33' East.
	Over rolling ground.
15.94	Intersect Boundary line between Nebraska and Wyoming at a point ~~which bears N. 22.17 chs. dist.~~ North from the 109th. Mile post, 22.17 chs. dist. which is a post 8 ft. long, 6 ins. square with mound and pits and Set a sand stone 14 x 9 x 9 ins. 10 ins. in the ground for Closing Cor. to Secs. 7-18 marked C. C. with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. N. S. & E. of stone, 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 30 N. Range 5 W.
6th. Principal Meridian.

Chains	North, between Sections 7 and 8 Variation 15° 30' East.
	Descend.
4.00	Cross low Sag and ascend.
26.00	Top of Spur, bears N. 45° W. & S. 45° E. and descend.
31.00	Cross low Sag and ascend.
40.00	Set a sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 3½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
49.00	Top of Spur, bears N. 45° W. & S. 45° E. and descend.
80.00	Set a sand stone 18 x 16 x 13 ins. 12 ins. in the ground, for cor. to Secs. 5-6-7-8. marked with 5 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 3½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

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

Chains	East, on a random line between Sections 5 and 8. Variation 15° 30' East.
	Ascend.
30.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
40.00	Set temporary ¼ Sec. cor.
80.10	Intersect W. & E. line, 30 lks. South of cor. to Secs. 4-5-8-9 from which corner, Sun S. 89° 47' W. on a true line between sections 5-8.
	Variation 15° 30' 16° East.
40.05	Set a sand stone 13 x 11 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., ¼ N. and S. of stone 3½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base.
80.10	The corner to sections 5-6-7-8.
	Land mountainous.
	Soil 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.

6th. Principal. Meridian.

Chains	West, on a ~~random~~ true line between Sections 6 and 7. Variation 15° 30' East.
	Over rolling ground.
16.31	Intersect Boundary line between Nebraska and Wyoming at a point ~~which bears N. 22.76 chs. dist.~~ North from the 110th. Mile post, 22.76 Chs. dist. which is a post 8 ft. long 6 ins. square, with mound and pits and Set a sand stone 14x12x5 ins. 10 ins. in the ground for Closing Cor. to secs. 6-7 marked C.C. with 5 notches on S. and 1 notch on N. edges, dug pits 18x18x12 ins. N.S. & E. of stone 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 2d. & 3d. rate.
	Vegetation Bunchgrass.

Township 30 N. Range 57 W.

6th. Principal. Meridian.

Chains	North, on a random line between Sections 5 and 6. Variation 15° 30' East.
	Ascend.
19.00	Top of Spur, bears N. 80° W. & S. 80° E. and descend.
37.00	Enter Flat bears E. & W.
40.00	Set temporary ¼ sec. cor.
79.68	Intersect W. B. of Tp. 25 lks. East. of cor. to secs. 5-6-31-32 from which corner, run S. 11 E. on a true line, between sections 5-6. Variation 15° 30' East.
39.68	Set a sand stone 13x10x4 ins., 8 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.
79.68	The corner to sections 5-6-7-8.
	Land 19.00 chs. mountainous ~~and~~ Balance level.
	Soil 3d. rate.
	Vegetation Bunchgrass.
	I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus, and found them correct.
	Dec. 26-1881.

GENERAL DESCRIPTION.

The land in this Township is generally mountainous, although some portions of it are rolling.
The soil is 2nd. & 3rd. rate
The undergrowth consists of Bunchgrass.
It is well adapted to grazing purposes.
The road from Ft. Laramie to Ft. Robinson crosses this Township.
This Tp. is watered by Running Water Creek.

U. S. Surveyor-General's Office.

Plattsmouth Neb.

August 31st 1882

The foregoing Field Notes of the surveys of

Subdivision lines of Tp. No. 30 N. R. No 57 W. of the Principal Base and Meridian

in the state of Nebraska *executed by*

M. F. Reilly

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

September 22nd 1881

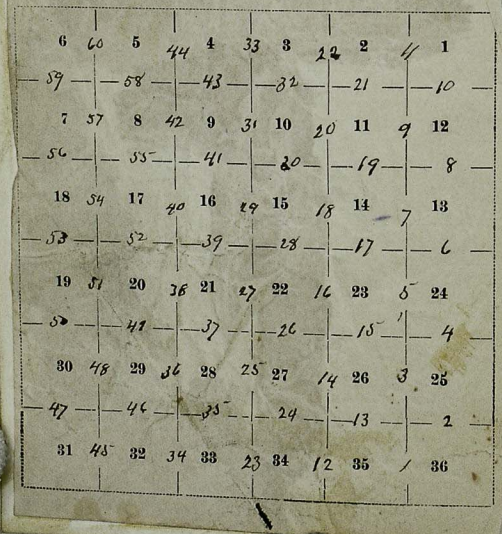
having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Geo. H. Smith

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

Field Notes of S. boundary. on page 1616.

Town No. 31 N. Range No. 57 W.



Field Notes
of the
Survey of the Subdivision Lines
of
Township No 31 N of Base Line
Range No 57 W of 6th P.M
in the
State of Nebraska

As Surveyed
by
George W Fairfield
U.S. Deputy Surveyor

under his contract
No..... 13

Survey
commenced June 25th 1883

Completed July 1st 1883

1

Subdivisions of T31 N

on the night of June 24 1883. I took an observation on the Star Polaris in accordance with instructions contained in the manual of Surveys and drove pickets on the line thus established

---

Survey commenced June 25th 1883 with a Gurley Transit Instrument with 6 inch Needle

---

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

---

Preliminary To commencing this Survey I run South on the E. Boundary of Sec 36 and at 39.94 chas find the ¼ sec cor and at 79.92 chas find

2

R 57 W. ~~Continued~~

the Sec cor Thence I run W. along the S boundary of Sec 36 and at 40 chas I am unable to find the ¼ sec cor and at 80 chas I am unable to find the cor to Secs 1. 2. 35 & 36 or any traces of it I there fore deem it of Importance that this line should be properly run therefore returned to the cor to Townships 30 and 31 N Ranges 56 and 57 W which is a Sand Stone 20 x 10 x 2 ins above ground marked with 6 notches on N. E. S and W edges with pits 18 x 18 x 6 ins N. S. E. and W of Stone 5 ft dist and a mound of earth 8 ins high 3 ft base and Stone I dig pits which are now 12 ins deep and cover Stone with earth Thence I run West on a random line bet Townships 30 and 31.

Va 15 35' E

over gently rolling land

3 Retracing of S. Bound. of T. 31 N. R. 57 W.
Subdivisions of T 31 N

Chas	
25.00	top of ridge bs N and S
40.00	I am still unable to find the ¼ sec cor and set temp ¼ sec cor
51.40	wagon road bs N W & S E and enter valley of Niobrara river bs N W & S E
53.65	a wire fence bs N W, S E
63.50	Niobrara river 20 lks wide banks 5 ft high bs S E & N W
80.00	I am still unable to find the cor or any traces of it which is described as being a sand stone with pit and mound of earth. and set a temporary sec cor. and continue my random line west but secs 2 and 35
11.00	leave valley N W & S E at foot of Mountain Range and as and barren Stone Spurs
40.00	point ¼ sec cor falls on barren Stone Spur about 150 ft above water at line crossing of river and I am unable to find the ¼ sec cor, or any

R 57 W. Continued

Chas	
	Traces of it and set temporary ¼ sec cor and continue my random line west and descend
51.00	head of canyon 60 ft deep descends N W and ascend & slopes to
71.00	top of stone ridge 200 feet above water in river at line crossing bs N W S E and descend gradually
78.00	grassy draw 20 ft deep descends N E. and at
80.13	~~and at~~ a point 14 lks N I find 2 pits about 2 ins deep the other 2 filled entirely and I find mound about 4 ins high with a sand stone 4 ins x 8 ins x 1½ ins nailed with 2 notches on one side and 4 notches on the opposite side lying close on the mound. and set a temporary sec cor and continue my line west but secs 3 and 34
2.00	leave grassy drain bs E and as and our rolling and stony land
16.00	top of Spur or ridge 250 ft

of the S. Bounds of T. 31 N. R. 57 W.

Retracing of Line of Tps.

chas	
	above water at line crossing of Neobrara river. brs N and S and decend to
35.35	a wire fence in drain brs N.E. drain brs S.E. 30 ft deep and ascend E slope of Mountain ridge at 40 chas
40.00	I am unable to find the 1/4 sec cor and set temporary 1/4 sec cor and continue my line west
58.00	top of ridge 60 ft high brs N & S and decend to
78.00	near head of drain brs N E 20 ft deep
79.88	and 12 lks N I find 4 pits no stone or stake and mound nearly gone and at 80
80.00	set temporary sec cor Thence continue my line west bet secs 4 and 33
6.00	drain 15 ft deep decends N.W and ascend to
26.00	top of ridge 50 ft high brs N W and decend to

30 and 31 N. R 57 W. Continued

chas	
39.92	and 8 lks N I find the 1/4 sec cor no stone or stake with pits N and S of mound 5½ ft dist and at
40.00	on my line set temp 1/4 sec cor and continue my line west and decend west slope of ridge
50.00	foot of ridge and ascend to
70.00	top of ridge 80 ft high brs N and S and decend west slope to
80.00	here I am unable to find the sec cor or any traces of it which cor is described as a sand stone with pits and mound of earth thence I run west bet secs 5 and 32. decend W slope to
21.00	here leave high rolling and broken Mountainous land, and enter gently rolling Table land brs N and S E
40.00	No 1/4 sec cor to be found and set temporary 1/4 sec cor and continue west at
71.20	~~cor of wire fence 150 lks N and bears N. one west (said to be 12 miles long)~~

Re Tracing Line of Tps

Chas	
80.00	No cor to be found set temporary sec cor and continue my line west bet secs 6 and 31 over rolling Tobleland.
40.00	I am unable to fin the 1/4 sec cor and set temporary 1/4 sec cor and continue my line west at
46.97	8.95 Chas the reported dist for the C.C. cor to Tps 30 and 31 on West boundary line of Neb I am unable to find a cor of any description and from this point I run South and at
30.20	30.20 Chs (the dist returned is 30.02 Chs) I find a 1/4 sec cor on a N. and S Sec line plainly marked This cor is reported to be the 111 mile cor on the State line comment upon this blunder is useless I pass. I return to the

30 and 31 N.R. 57 W continued

Chas	
	temporary pt set for lost 1/4 sec cor and run East ~~at~~ 23.10 Chs.
23.10	~~This being~~ the dist as returned to me from the Surveyor General's office of Wyo. Ter as being in the Erroneous West boundary line of the State here set temporary point and no cor to be found from this point I run South
21.98	21.98 Chs and 20 lks E. I find one of the old mile corners which has been rebuilt and is a mound of earth 2 ft high 6 ft base with pits 30×30×12 ins N and S of center of mound 6 ft dist and a sand stone 4×5×1½ ins on mound marked on one side 109. Should have been 111. Thence I run N along the West boundary line of State at
22.06	22.06 Chs which point is due west of the 1/4 sec cor bet secs 4 and 33 this being the lost cor I found on the Tp line going west

Re Tracing Line of Tps

Chas

at which point I set a Sand stone 20x10x6 ins 12 ins in the ground for a closing cor to Tps 30 and 31 and for cor to frac secs 6 and 31 marked OC on E face with 6 notches on N. 5 notches on E and 6 notches on S edges dug pits 24x18x12 ins N. E and S of stone 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base west of stone.

The Wyoming closing cor to Tps 30 and 31 N R 60 W is N of this cor 8.06 chas

Thence I run East on a true line bet secs 6 and 31

Va 15°35' E

16.98 ~~16.78~~ over gently rolling table land set a Sand stone 20x9x6 ins 12 ins in the ground for cor to secs 5.6.31 and 32. marked with 5 notches on E and 1 notch on west edges dug pits

30 and 31 R N 57 W Continued

Chas

18x18x12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side

Land Gently rolling soil Sandy 2nd rate

No timber

June 25th 1883

Thence East on a true line bet secs 5 and 32

Va 15°35' E

over Gently rolling Table land

40.00 set a Sand stone 14x9x6 ins 7 ins in the ground for ¼ sec cor Marked ¼ on N face dug pits 18x18x12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side

~~59.00~~ ~~set of mountain [illegible] and to~~

80.00 set Sand stone 17x10x6 ins 8 ins in the ground for cor to secs 4.5.32 and 33 marked with 4 notches on E and 2 notches on W edges dug pits 18x18x12 ins in each sec 5½ ft dist

Re Tracing Line of Tps.

Chas	
	and raised a mound of earth 2 ft high 4½ ft base along side
	Land first 59 chas gently rolling
	Soil Sandy 2nd rate
	balance Mountainous Soil 4th rate
	21 chas of this line runs over
	Mountainous land Soil 4th Rate
	No timber

Leave out the Topography a repetition not wanted

East on a true line bet. Secs 4 and 33

V.a. 15°35' E

	ascend W slope of mountain ridge to
10.00	top of mountain ridge 80 ft high bns N and S and decend E slope to
30.00	and ascend W slope of ridge to
40.00	The old ¼ sec cor I set a sand stone 14×10×5 ins 7 ins in old mound for ¼ sec cor marked ¼ on N face re dug pits which are now 18×18×12 ins N and S of stone 5½ ft dist and covered stone with the earth
	Thence ascend to
54.00	top of stone ridge 50 ft high

30 and 31 N. R. 57. W continued

Chas	
	bs N W and decend East slope to
74.00	drain 15 ft deep decends N.W.
	and ascend W slope to
80.00	The old sec cor and set a sand stone 16×10×6 ins 8 inches in the old for cor to secs. 3. 4. 33 & 34. mound marked with 3 notches on E and W edges and re dug old pits which are now 18×18×12 ins in each sec 5½ ft dist and covered stone with earth
	Land high rolling and broken
	Soil 2 and 3rd rates
	No timber
	Whole line runs over
80.00	Mountainous Land

East on a random Line bet secs 3 and 34

V.a. 15°35' E

	and decend to
2.00	near bed of drain bs N E
	and ascend W slope to
22.00	top of mountain ridge 60 ft high bs N and S and decend

Re Tracing Line of Tps.

Chas	East Slope to
40.00	set a sand stone 13x10x6 ins 6 ins in the ground for ¼ sec. cor marked ¼ on N face deep pits 18x18x12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft bore along side and decend to
44.65	wire fence in drain 30 ft deep fence brs N E drain decends S E and ascend W slope to
64.00	top of mountain ridge or spur 250 ft above water at line crossing of Neotsara river brs N and S and decend to
78.00	grassy drain 20 ft deep brs E E
80.00	to old cor and set a sand stone 20x10x5 ins 12 ins in old mound for cor to secs 2. 3. 34 and 35 marked with 2 notches on E and 4 notches on W. edges redug old pits which are now 18x18x12 ins in each sec 5½ ft dist and covered stone with the earth

30 and 31 N. R 57 W. continued

Chas	Land high broken and mountainous soil sandy 3rd rate No timber whole line runs over mountainous Land
	East on a true line bet secs 2 and 35 Va 15.35 E
2.00	leave grassy drain brs N E and ascend W slope to
9.00	top stone ridge 200 ft above water in river at line crossing brs N W S E and decend E slope to
29.00	head of canyon 60 ft deep decends N W and ascend W slope to
40.00	pt for cor falls on top of barren stone spur 150 ft above line crossing of river at cor point cut cross and set a sand stone 18x10x9 in over cross marked ¼ on N face and raised a mound of rock around stone for ¼ sec cor and decend over broken

Re Tracing Line of Tps

	and stony spurs of mountain to
69.00	here leave mountain range
	bs N.W.S.E and enter valley of
	Niobrara River
80.00	Set a sand stone 15×10×4 ins
	8 ins in the ground for cor to
	secs 1. 2. 35 and 36 marked
	with 1 notch on E and 5 notches
	on W edges dug pits 18×18×12 ins
	E and W of stone 5½ ft dist and
	raised a mound of earth 2 ft
	high 4½ ft bosealing side
	Land 1st 69 chas broken and
	worthless balance sandy
	and 2nd rate No timber
	69 chas of this line runs over
	mountainous Land

30 and 31 N R 57 W Continued

	East on a true line bet
	secs 1 and 36
	Va 15°35' East
	over river bottom
16.50	Niobrara river 20 lks wide banks
	5 ft high bs S.E.
23.50	a wire fence bs N W S E extends
	down river about 12 miles
28.60	Wagon road bs N W S E and leaves
	valley of River bs N W S E
40.00	Set a sand stone 14×10×6 ins 7 ins
	in the ground for ¼ secor marked
	¼ on N face dug pits 18×18×12 ins
	E and W of stone 5½ ft dist and raised
	a mound of earth 1½ ft high 3½ ft
	bosealing side
55.00	Top of ridge bs N and S
80.00	The cor to Tps 30 and 31 N.
	Ranges 56 and 57 W
	Land in bottom 2nd rate
	balance sandy and 3rd rate
	No timber

Subdivision of T 31 N.

Chas	
	I find by the re survey of the S. boundary of this Tp. that my compass will run the same line as the Exterior boundaries and the chaining practically agrees
	I commenced at the cor to secs 1. 2. 35 and 36 on the South Boundary
	Thence I run
	North bet secs 35 and 36
	Va 15°35' E
9.40	Niobrara River 20 lks wide 1½ ft deep brs E comes from the N E banks 6 ft high
19.20	Same stream 20 lks wide brs E
24.20	wire fence course S E N W
31.50	bend of river comes to line on the west
40.00	set a sand stone 48 x 18 x 2 ins 20 in the ground for ¼ sec cor marked ¼ on W face dug pits 18 x 18 x 12 ins N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side

R 57 W. Continued

Chas	
	W. L. Minor's house brs N 86° W 11.55 chas from this cor
40.12	wagon road brs N W S E
60.00	so sand stone for W L Minor's N E cor
71.00	top of ridge 20 ft hi brs N. W.
80.00	Set a sand stone 20 x 12 x 3 ins 12 ins in the ground for cor to secs 25. 26. 35 and 36 marked with 1 Notch on S and E edges dug pits 18 x 18 x 12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side
	Land gently rolling and sandy soil 2°° rate
	W. L. Minor claims the S½ of N E¼ and E½ N W¼ sec 35 T 31 N R 57 W and has a log House Log stable with corralls and fencing on said tracts
	John A Smith claims E½ S E¼ sec 35 and S W¼ of S W¼ sec 36 T 31 N R 57 W and the N W¼ of the N W¼ sec 1. T 30 N R 57 W Has stone foundation for House on E½ S E¼ sec 35 and fencing on said tracts of land

Subdivisions of T 31 N.

Chas	East on a random line bet Secs 25 and 36 Va 15° 35' E
	over high and broken land
10.00	Drain 30 ft deep brs S E
28.00	foot of bluff 80 ft high brs N W S E
40.00	top of bluff and set Temporary 1/4 [illegible] on the cross broken land
79.80	Intersect E boundary of T 31 N 12 lks S of cor to Secs 25. 30. 31 and 36. Thence S run S 89° 55 W on a true line bet Secs 25 and 36 with Same V.a
39.90	Set a Sand Stone 15 x 8 x 7 ins 8 ins in the ground for 1/4 Sec. Cor Marked 1/4 on N face drug pits 18 x 18 ins E and W of Stone 8 1/2 ft dist and raised a mound of Earth 1 1/2 ft high 3 1/2 ft base along side
79.80	Thence to Secs 25. 26. 35 and 36 found high broken and worthless Sail Sandy 3rd rate

June 26th 1883

R 87 W. Continued

	North bet Secs 25 and 26 Va 15° 35' E
	over broken land
10.50	Drain 20 ft deep brs S E and ascend S Slope of Mountain Spur brs N W S E
31.00	top of Spur 150 ft above water in river and descend N Slope to
40.00	Set a Sand Stone 18 x 10 x 7 ins 10 ins in the ground for 1/4 Sec Cor Marked 1/4 on W side and raised mound of Rock around Stone pits impractical and descend to
43.00	canyon 50 ft deep ascends W and ascend S Slope of Spur to
56.00	top of Spur 200 ft high above water brs N W and descend N Slope to
67.00	bed of canyon 80 ft deep ascends W and ascend to
80.00	top of Spur 250 ft above water in river brs W and set a Sand Stone 20 x 10 x 8 ins 12 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 drug pits

Subdivisions of T 31 N.

Chas	18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side Land high rolling and broken Soil sandy 4th rate No timber 69.50 Chas (of this line runs over mountainous land)
	East on a random line bet secs 24 and 25 Va 15°35' E over Rolling Mountain ascending E
40.00	point for temporary 1/4 cor falls on the slope of canyon
48.00	bed of canyon 50 ft deep decends SE and ascend W slope of canyon to
62.00	top of Spur bs SE 100 ft above last sec cor and decend along N slope
80.32	Intersect E boundary of T p. 31 lks S of cor to secs 19. 24. 25 and 30. Thence I run S 89°47' W on a true line bet secs 24 and 25. with same Va
40.16	Set a sand stone 14×10×7 ins

R 57 W. Continued

Chas	7 ins in the ground for ¼ sec cor. Marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
80.32	The cor to secs 23. 24. 25 and 26 Land rolling and mountainous Soil sandy 4th rate 80.32 Whole line runs over mountainous Land No timber
	North bet secs 23 and 24 Va 15°35' E decending N slope of spur to
16.00	Canyon 100 ft deep decends SW and ascend along W slope of mountain to
40.00	Set a sand stone 17×10×8 ins 8 ins in the ground for ¼ sec cor marked ¼ on W face dug pits 18×18×12 ins E. and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side. is about 8 chas East of main canyon and about 200 ft above bottom on side of mountain

Subdivisions of T 31 N.

Chas		and decnd along West Slope to
Chas	63.00	cangon 80 ft deep 4 chas wide decnds S W with stoney sides and ascnds to
	80.00	a point 150 ft above cangon and set a Sand stone 20x10x7 ins 12 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 18x18x12 ins in each sec 5 ft dist and raised a maund of earth 2 ft high 4½ ft base along side Land broken and worthless Soil Sandy 4th rate Whole line runs over mountainous Land No timber
		East on a random line bet secs 13 and 24 Va 15.35° E
	11.00	decending E Slope to cangon 60 ft deep decnds S W and ascnd W slope of

R 8 W. continued

Chas		Mountain to
	25.00	top of Mountain 350 ft above water in River brs N and S and decnd East to
	40.00	set temporary ¼ sec cor and decnd
	44.00	cangon 40 ft deep decnds S E and ascnd West Slope of cangon to
	56.00	top of spur or ridge and decnd
	67.00	cangon near head 30 ft deep decnds S E and ascnd
	80.38	Intersect E boundary of Sec. 44 lks S of cor to secs 13. 18. 19 and 24 Thence S run S 89° 41' W on random line bet secs 13 and 24 with same Va
	40.19	Set a Sand stone 16x10x3½ ins 8 ins in the ground for ¼ sec cor. marked ¼ on N face dug pits 18x18x12 ins E and W of stone 5½ ft dist and raised a maund of earth 1½ ft high 3½ ft base along side
	80.38	The cor to secs 13. 14. 23 and 24 Land high and rolling Soil Sand and gravel 4th rate No timber Whole line runs over mountainous Land

Subdivisions of T31N

Chas	North bet secs. 13 and 14 Va 15°35' E as cend along E slope of Mountain
40.00	Set Sand stone 16×14×4 ins 8 ins in the ground for ¼ sec cor marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side Cor stands in head of grassy bed of canyon bs S E and as cend to
60.00	Top of dividing ridge bs N W S E 400 feet above water in river and decend to
67.00	Grassy drain bs N W and decend as cend to
80.00	Set a sand stone 20×14×4 ins 12 ins in the ground for cor to secs 11.12.13 and 14 marked with 4 notches on S and 1 notch on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side

R 57 W. Continued

Chas	Land high broken and stony soil sand & gravel 4th rate whole line runs over mountainous land No timber

East on a random line bet secs. 12 and 13
Va 15°35' E
over high and rolling gravel ridges

40.00	Set tiny 1/4 sec cor
80.16	Intersect E boundary of Tp. 48 lks S of cor to secs 7.12.13 and 18 Thence I run S 89°39' W on a true line bet secs 12 and 13 with same Va
40.08	Set Sand stone 14×10×4 ins 7 ins in the ground for ¼ sec cor marked ¼ on E face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
80.16	The cor to secs 11.12.13 and 14 Land high rolling mountain ridges soil sand and gravel 4th rate whole line runs over mountainous land No timber

Subdivision of T 31 N

Chas	North bet secs 11 and 12 Va 15°35' E
16	ascend S slope of mountain spur to
16.00	top of spur and decend to
40.00	set a sand stone 14×8×5 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised a mound of Earth 1½ ft high 3½ ft base along side Cor stands on N slope of spur and decend to
45.00	Drain 50 ft deep bs N W and ascend over and along W slope of mountain to
75.00	and decend to
80.00	ingressey valley bs W and set a sand stone 30×14×6 ins 15 ins in the ground faces to secs. 1. 2. 11 and 12 marked with 5 notches on S and 1 notch on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side
80.44	Land high rolling and broken soil 4th rate whole line runs over mountainous Land

R 57 W. Continued

Chas	East on a random line bet secs. 1 and 12 Va 15°35' E
	over high mountainous land
40.00	a point 200 ft above sec cor and set temporary 1/4 sec cor.
80.44	Intersect E boundary of T 1 54 lks S of cor. to sec 1. 6. 7 and 12 Thence I run S 89°37' W on a true line bet secs 1 and 12 with same V.a.
40.22	Set a sand stone 15×9×6 ins 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ foot base along side
80.44	The cor. to secs. 1. 2. 11 and 12 Land high rolling and broken soil Sandy 4th rate whole line runs over mountainous Land

Notumber

Subdivisions of T 31 N

Chas	North on a random line bet secs. 1 and 2
	V.a. 15°35' E
10.00	leave valley brs W
	and ascend along W slope to
30.00	and descend to
40.00	set temporary 1/4 sec. cor. on
	N slope of canyon 60 ft
	deep decends S.W.
40.50	bed of canyon and ascend to
	over rolling and mountainous land
80.65	Intersect N boundary of Tp
	38 lks west of cor to secs
	1. 2. 35 and 36
	Thence I run
	S 0°16' W on a true line
	bet. secs 1 and 2 with S mer V.a
40.65	set a sand stone 18×10×7 ins
	10 ins. in the ground for 1/4 sec
	cor marked 1/4 on W face dug pits
	18×18×12 ins N and S of cor 5 1/2 ft
	dist and raised a mound of earth 1 1/2 ft
	high 3 1/2 ft bore along side
80.65	the cor to secs. 1. 2. 11 and 12
	Land high and rolling sail sandy 3 rd rate
	whale line runs over mountainous
	Land Nehmiter June 27 1883

whale line runs over

R 57 W. Continued

Chas	From the cor to secs 2. 3. 34 and 35
	on S boundary
	I run N bet sec. 34 and 35
	V a 15°35' E
	ascend over broken & stony land to
26.00	top of mountain 250 feet above
	water in river bs S W and decend
	over broken and worthless ridges to
36.00	canyon 150 ft deep decends N E
40.00	pt for cor falls on barren hard
	Sand formation 40 ft above
	bottom of canyon cut + at
	exact cor point and set
	Sand stone 20×10×8 in marked
	1/4 on W face over cross and
	raised a mound of rock a
	round stone pits impracticle
	thence over barren stone points
44.20	wire fence in on side of broken
	mountain bs N E S W
62.00	top of stone cliff allmost
	perpendicular for 50 ft and
66	thence decend abrupt by to
66.00	here leave mountainous land
	enter valley of Niobrara River
	bs S E N W

Subdivisions of T 31 N

Chas	
80.00	Set a Sand Stone 18×12×8 ins 12 ins in the ground for cor. to secs. 26. 27. 34 and 35 Marked with 1 notches on S and 2 notches on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side Land on mountain broken and stony soil 4th rate in valley Sandy and 2nd rate
66	Chas of this line runs over mountain or bank Hudson Smith has Made Settlement on the N W ¼ of N W ¼ sec. 35 W ½ S W ¼ sec. 26 and the N E ¼ of the S E ¼ of sec. 27 in this T p. and has improvements on said land

East on a random line bet secs. 26 and 35
V a 15.35 E
over Valley

14.00	Neobrara River 20 lks wide 18 ins deep banks 4 ft high bs N and S
20.00	set temp pt ~~in Hudson Smiths~~ East line and N W cor of W L Minors Ch

R 57 W Continued

26.00	Cor of wire fence bs S 3 chas fence bs S.E. and S.W
28.90	Line of Rail Road Survey bs N W S E at Sta 10614
29.50	Drain 2 chas wide bs N W and S
40.00	Set Temporary ¼ sec cor
46.50	Wagon road bs N W S E
60.00	foot of ridge bs N W
80.00	Intersect N and S line 38 lks S of cor to secs 25. 26. 35 and 36 Thence I run S 89°44' W on a true line bet secs 26 and 35 with same V.a.
40.00	Set a sand stone 16×10×6 ins 8 ins in the ground for ¼ sec cor marked ¼ on N side dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
60.00	Set a sand stone 16×9×5 ins 8 ins in the ground with 1 pit 18×18×12 ins S of stone for W L Minors S [illegible] N W cor and in Hudson Smith E Line
80.00	the cor to secs 26. 27. 34 and 35

Subdivisions T31

Chas	
	Land in valley Sandy Soil 2° rate ballance 2°° rate No timber
	North bet secs 26 and 27 Va 15°35' E over rising valley of river
20.00	Set a sand stone 10×10×6 ins 6 ins in the ground for cor to the N E ¼ of S E ¼ sec 27 for H Smith
31.20	Neobrara River 20 lks wide banks 5 ft high runs E
40.00	Set a sand stone 16×10×6 ins 8 ins in the ground for ¼ sec cor. marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
48.60	Wagon road bs S E N W
55.00	leave valley at foot of ridge bs N W and N E ascending N
80.00	Set a sand stone Slab 60×36×2 ins 20 ins in the ground for cor to secs 22.23.26 and 27 marked with 2 notches

whole line runs over ...

R 57 W. Continued

Chas	
	on S and E edges and raised a mound of rock 2 ft high 4½ ft base around stone pits impracticle from which a white earth butte 150 ft high bs N 10° W 160 lks dist there is a chain of these peaks bearing N W for ¾ of a mile Land in valley sandy and 2°° rate along the ridge sandy 3° rate No timber
	East on a random line bet secs 23 and 26 va 15°35' decending E side of ridge to
10.50	drain 1 ch wide decends S. and ascend W slope of mountain spur bs N E 150 ft high above water in River
36.00	top of spur and decend
40.00	set temporary ¼ sec cor and decend
51.00	can gem 1 cha wide 70 ft deep course decends S.W. and ascend N W slope of spur
80.26	Intersect N and S line 18 lks N of cor to secs 23.24.25 and 26 Thence I run

Subdivisions of T31N

chas	N 89°.52' W. on a true line bet secs 23 and 26 Va 15°.35' E
40.13	set a sand stone 16x10x6 ins 8 ins in the ground for ¼ sec cor Marked ¼ on N face dug pits 18 x18x12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
80.26	The cor to secs 22.23.26 and 27 Land rolling and broken soil sandy 4" rate 69.76 chas of this line runs over mountainous land No timber

North bet secs 22 and 23 ascending along E slope of mountain spur to Va 15°.35' E

32.00	canyon 40 ft deep decends SE and ascend over barren stony land to
40.00	in bed of canyon 40 ft deep brs. SW & select a point for witness cor 1 chain S

whole line runs over m...

R 57 W. continued

chas	and set a sand stone 30x24 x5 ins Marked ¼ W.C on W face for ¼ sec cor at point selected for W. cor and raised a mound of rock 2 ft high 5 ft base around stone. and ascend along E slope to
65.00	near head of stony canyon 20 ft deep decends SE and ascend
75.00	top of mountain range 450 ft above water in river and decend
80.00	set sand stone 20x10x5 ins 12 ins in the ground for cor to secs 14.15 22 and 23 marked with 3 notches on S and 2 notches on E. edges dug pits 18x18x12 ins in each sec. 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side Land high broken and worthless whole line runs over mountainous Land No timber

Subdivisions of T 31 N

Chas	
	East on a random line bet secs 14 and 23 Va 15°35' E
	over mountain range
40.00	set temporary 1/4 sec cor and decend to
53.00	near head of canyon 40 ft deep decends S W and as cend to
62.00	and decend E slope to
65.00	head of canyon and as cend
80.46	Intersect N and S line 28 lk N of cor to secs 13.14.23 and 24
	Thence I run N 89°48' W on a true line bet secs 14 and 23 with same Va
40.23	set a sand stone 17x9x9 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face dug pits 18x18x12 ins E and W of stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side
80.46	The cor to secs 14.15.22 and 23. Land high and broken Soil sandy 4th rate No timber whole line runs over mountainous Land

whole line runs over m

R 57 W Continued

Chas	
	North bet secs 14 and 15 Va 15°35' E
	decending along mountain spur to
40.00	pt for cor falls in bosom had sand points about 200 ft below lest sec cor and at cor pt cut X on rock and set a sand stone 26x10x8 in over cross for 1/4 sec cor marked 1/4 on W face and raised mound of rock around stone and decend to
45.00	here leave broken mountain range enter high rolling valley decending N
80.00	set a sand stone 20x14x9 ins 13 ins in the ground for cor to secs 10.11.14 and 15 marked with 4 notches on sand 2 notches on E edges dug pits 18x18x12 ins in each sec 5 1/2 ft dist and raised a mound of earth 2 ft high 4 1/2 ft base along side Land on mountain worthless in valley 2nd and 3rd rate and sandy 45. Chas of this line runs over mountainous Land No timber

Subdivisions of T 31 N

Chas	
	East on a random line bet secs 11 and 14 Va 15°35' E
	over ascending and rolling valley
40.00	set temporary 1/4 sec. cor.
54.00	drain 20 ft deep lies N W.
	and ascend W slope of mountain
80.14	Intersect N and S line at
	cor to secs 11.12.13 and 14
	Thence I run
	West on a true line bet
	secs 11 and 14 with some V.a.
40.07	set a sand stone 14x12x5 ins
	7 ins in the ground for 1/4 sec. cor.
	marked 1/4 on N face dug pits
	18x18x12 ins E and W of stone
	5 1/2 ft dist and raised a mound
	of earth 1 1/2 ft high 3 1/2 ft bore along
80.14	The cor to secs 10.11.14 and 15
	Land 1st 54 chas soil sandy
	good 2nd rate ballance 3rd rate
	26 54 chas of this line runs over
	mountainous Land
	No timber

whole line runs over m

R 57 W continued

Chas	
	North bet secs 10 and 11 Va 15°35' E
	over rolling valley
20.50	mountain Drain 2 chas wide
	decends S W thence over ascending
	valley
40.00	set a sand stone 15x9x8 ins
	8 ins in the ground for 1/4 sec cor
	marked 1/4 on W face dug pits
	18x18x12 ins N and S of stone 5 1/2 ft
	dist and raised a mound of earth
	1 1/2 ft high 3 1/2 ft bore along side
46.00	leave valley and ascend S slope
	of mountain to
65.00	and decend to
78.00	Drain or canyon 50 ft deep decends
	S E rocky sides
80.00	set a sand stone 22x16x10 ins
	14 ins in the ground for cor to secs
	2.3.10 and 11 marked with 5 notches
	on S and 2 notches on E edges dug pits
	18x18x12 ins in each sec 5 1/2 ft dist and raised
	a mound of earth 2 ft high 4 1/2 ft bore along side
	Land 1st 46 chas soil sandy 2nd rate
	ballance clay and sand soil 3rd rate
	34 chas of this line runs over mountainous
	Land

Subdivisions of T 31 N

Chas	Easton a random line bet secs 2 and 11 Va 15°35' E
	as cond W slope to [illegible]
26.00	top of mountain ridge 100 ft high bears N and descend E slope to
40.00	drain 2 chas wide 20 ft deep brs S and set temporary 1/4 sec cor here leave mountain range thence over ascending valley
79.94	Intersect N and S line 31 lks S of cor to secs 1.2.11 and 12 Thence I run S 89°47' W on a true line bet secs 2 and 11 with same Va
39.97	pt for cor falls in drain and would soon be destroyed if built there I therefore set a W.C. corner 100 lks west and set a sand stone 17×12×8 ins 8 ins in the ground for 1/4 sec cor marked 1/4 W C on N face dug pits 18×18×12 ins E and W of stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side

whole line runs over [illegible]

R 57 W. Continued

79.94	The cor to secs 2.3.10 and 11 pt 1/2 mile high and rolling soil 3rd rate bottom sandy 2nd rate
40	40 Chas of this line runs over mountainous Land November

North on a random line bet secs 1 and 2.3 Va 15°35' E

	as cond S slope of mountain to
40.00	set temporary 1/4 sec cor and as cond over rolling Mill
80.50	Intersect N boundary of Tp 41 lks W of cor to secs 2.3.34 and 35 Thence I run S 0.18' W on a true line bet secs 2 and 3 with same Va
40.50	set a sand stone 14×11×8 ins 7 ins in the ground for 1/4 sec cor marked 1/4 on W face dug pits 18×18×12 ins N and S of stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side

Sub divisions of T 31 N

Chas	
80.50	The corto secs 2.3.10 and 11 Land high and rolling Soil 3rd rate [illegible] June 28-1883

From the corto secs 3,4,33 and 34 on South boundary of Tp. Iron North bet secs 33 and 34 V a 15°35' E as cending over broken land to

40.00	Set a S and stone 16×11×8 ins 8 ins in the ground for ¼ sec. cor. Marked ¼ on on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base along side and decend N slope to
74.00	top of perpendicular cliff 50 ft high bs N W and N E and decend to
80.00	a point in gap 100 ft above water in river and set a

whole line runs over m

R 57 W. Continued

S and stone 15×11×7 ins 8 ins in the ground for cor. to secs. 27. 28. 33 and 34 Marked with 1 notch on S and 3 notches on Edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side Land high and rolling Mountain Soil 3rd rate No timber whole line runs over

80.50 Chs. Mountainous land

East on a random line bet secs 27 and 34 V a 15°35' E as cend to

9.00	foot of allmost perpendicular cliff 80 ft high bs N E
21.00	top of mountain spur 250 ft above water in river bs N and decend to
31.00	top of cliff again and decend stone side to

Subdivisions of T 31 N

Chas	
40.00	set temporary 1/4 sec cor and decend over valley land to
53.00	Drain 30 ft deep decends N E here leave broken mountains enter high valley of River
80.24	Intersect N and S line 26 lks N of cor to secs 26, 27, 34 and 35 Thence I run N 89°49' W on a true line bet secs 27 and 34 with same v.a.
40.12	Set Sand stone 16×9×9 ins 8 ins in the ground for 1/4 sec cor. marked 1/4 on N face dug pits 18×18×12 ins E and W of stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side
80.24	The cor to secs 27, 28, 33 and 34 Land 1st 53 Chas broken and Stony sail 3rd to 4th rate balance 2nd rate whole line runs over mountainous Land No timber 27 3/4 Chs

R 57 W Continued

Chas	
	North bet secs 27 and 28 Va 15°35' E decend N slope to
20.00	here leave Mountainous land bes E and W thence over river bottom decending N.
25.00	Neobrara River 3 Chas E of line
40.00	Set a Sand stone 16×10×7 ins 8 ins in the ground for 1/4 sec cor. marked 1/4 on W face dug pits 18×18×12 ins N and S of stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side
80.00	Set a Sand stone 20×10×6 ins 12 ins in the ground for cor to secs 21, 22, 27 and 28 marked with 2 notches on the S and 3 notches on E edges dug pits 18×18×12 ins in each sec 5 1/2 ft dist and raised a mound of earth 2 ft high 4 1/2 ft base along side Land 1st 20 chs sail 3rd rate balance 2nd rate 20 chs ~~of this line runs over mountainous~~ Land 60.00 chs valley L.C. Green has improvements on and claims the N W 1/4 of S E 1/4 and the N 1/2 of S W 1/4 and the S W 1/4 of the N W 1/4 of sec 27 of this Tpe

Subdivisions of T 31 N

Chas	East on a random line bet secs 22 and 27 Va 15°35' E
8.00	Niobrara river 24 lks wide bs S
21.20	wire fence bs N W 30 chas to perpendicular cliff and bs S.E 10 chas then bs S 10° W to bluffs
31.50	Wagon road bs S E N W
40.00	set temporary ¼ sec cor
61.00	leave river valley bs N W S E
79.66	thence ascend along foot of high & broken Bluff with range of peaks N of line
79.66	Intersect N and S line at cor to secs 22.23.26 and 27 Thence I run West on a true line bet secs 22 & 27 with same va
39.83	set a sand stone 15×11×7 ins 8 ins in the ground for ¼ sec cor marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
79.66	Th. cor. to secs 21.22 27 and 28 Land Sandy soil 3rd rate

No timber

whole line runs over mo...

R 57 W Continued

Chas	North bet secs 21 and 22 Va 15°35' E
4.30	Niobrara River 24 lks wide 1½ ft deep banks 5 ft high bs E
22.24	old wagon road bs E & W
27.00	foot of perpendicular cliff 100 ft high with a spire 10 ft high 4 ft × 5 ft at base in line on top of cliff bs E and N W and ascend over barren cliffs to
40.00	set a sand stone 30×14×6 ins at cor point for ¼ sec cor marked ¼ on W fac and raised a mound of rocks 2 ft high 4 ft base around stone thence over barren peaks and ridges to
80.00	land to broken for description and set a sand stone 20×12×10 ins 12 ins in the ground for cor to secs 15.16.21 and 22 marked with 3 notches on S and E edges dug pits 18×18×12 ins in each sec 5½ ft distant and raised a mound of earth 2 ft high 4½ ft base along side Land 1st 27 cas Sandy 3rd rate. balance stony ridge from 1 to 300 ft high above water in river 53 chas of this line runs over mountainous land No timber 27.00 bl. Valley

Subdivisions of T 31 N

East on a random line
bet secs 15 and 22
Va 15° 35' E
ascending over broken and barren
stone spurs and peaks
21.30 new road in low gap of sand stone
dividing ridge bet E and S E
thence over broken stone divide
40.00 set temporary 1/4 sec cor thence
follows broken ridge
80.56 intersect N and S line 52 lks S of
cor to secs 14.15.22 and 23
Thence I run
S 89° 38' W on a true line bet sec
15 and 22 with same Va
40.28 set sand stone 17×9×8 ins 8 ins
in the ground for 1/4 sec cor marked 1/4 on
N face dug pits 18×18×12 ins E and W
of stone 5 1/2 ft dist and raised a mound
of earth 1 1/2 ft high 3 1/2 ft base along side
80.56 The cor to secs 15.16.21 and 22
Land high broken stony and worth
less except for stone
~~whole line runs over Mountainous~~
~~Land~~

R 57 W. Continued

North bet secs. 15 and 16
Va 15° 35' E
ascend to
15.00 top of dividing ridge or top of mountain
400 ft above water in river and
decend over broken stone spur to
26.00 wagon road in gap in stone
ridge
40.00 pt for cor falls on barren soft rock
set a sand stone 18×9×9 m. for
1/4 sec cor marked 1/4 on W face
over cor point and raised a
mound of rock 2 ft high 4 ft base
around stone cor stands on E
side of spur 150 lks East of perpen
dicular cliff 35 ft high
and decend over barren breaks to
50.00 her leave mountain range enter
valley decending N
65.00 drain 2 chas wide 30 ft deep bes
S W soon turns N W
80.00 set a sand stone 18×10×6 ins 10
ins in the ground for cor to secs
9.10 15 and 16 marked with 4
notches on sand 3 notches on E

chas	edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side
	Land 1st 50 chas mountainous
	Soil 4th rate ballance 2nd rate
	50 chas of this line runs over mountainous land. No timber

East on a random line
bet secs 10 and 15
Va 15°35' E

5.00	Drain 2 chas wide 20 ft deep bs SW
35.00	enter same drain 2 chs wide 20 ft deep
40.00	set temporary 1/4 sec cor
66.00	leave drain comes from the N
79.70	Intersect N and S line 23 lks N of cor to secs 10.11.14 and 15
	Thence I run
	N 89°50' W on a true line bet secs 10 and 15 with same Va
~~39~~85	set a sand stone 14×10×5 ins 7 ins in the ground for ¼ sec cor marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft

whole line runs over mo...

chas	high 3½ ft base along side
79.70	The cor to secs 9.10.15 and 16
	Land rolling valley soil 2nd rate
	No timber

North bet secs 9 and 10
Va 15°35' E

	over rising valley
30.00	leave valley at foot of mountain bs E and N.W and ascend S slope of mountain
40.00	Set a sand stone 18×11×9 ins 12 ins in the ground for ¼ sec cor marked ¼ on W face dug pits N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
	Thence ascend to
62.00	top of Mountain ridge 200 ft above valley thence over rolling ridges to
80.00	Set a sand stone 20×11×7 ins 14 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 18×18×12 ins in each sec 5½ ft dist and raised a mound

Subdivisions of T31N

chas	of earth 2 ft high 4½ ft base along side Land 1st 30 chas Soil Sandy 2nd rate balance clay and Sand 3rd rate No timber ~~50~~ 32.00 chas ~~of this line runs over~~ Mountainous Land
	East on a random line bet secs. 3 and 10 Va 15°35' E over high rolling ~~mountain~~ Ground to
40.00	set temporary ¼ sec cor. and ascend to
51.00	foot of ridge fro N N S E
56.00	top of ridge 250 ft above valley and decend to
78.50	can yon 50 ft deep decends S E and ascend
79.76	Intersect N and S line 40 lks N of cor. to sec 2.3.10 and 11 Thence I run N 89°43' W on a true line bet secs 3 and 10 with same Va
39.88	Set a Sand stone 15×9×7 ins 8 ins in the ground for ¼ sec. cor. marked ¼ on N face dug pits 18×18

whole line runs over mou...

R 57 W, Continued

chas	×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
79.76	The cor to secs. 3.4.9 and 10 Land high rolling and Sandy Soil, 3rd and 4th rates No timber 28.76 chas whole line runs over Mountainous Land
	North on a random line bet. sec 3 and 4 Va 15°35' E over high and rolling mountain ascending N S slope to
33.00	top of ridge 250 ft above sec cor dres N N S E and decend
40.00	Set temporary ¼ sec cor and decend gradually over rolling land
80.72	Intersect N boundary of Tpn 24 lks E of cor to secs 3.4.33 and 34. Thence I run S 0°10' E on a true line bet. secs. 3 and 4 with same V.a.
40.72	set a Sand stone 14×12×7 ins 7 ins in the ground for ¼ sec. cor. marked ¼ on W face dug pits 18×18×12 ins

Subdivisions of T31 N

Chas	
	N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft dist
80.72	Thence to secs 3. 4. 9 and 10 Land high and rolling Soil Sand and clay 3rd and 4th rate 40.00 Chs ~~whole line runs over mountainous Land No timber~~ June 29th 1883

From the cor to secs 4. 5. 32 and 33 on S boundary I run North bet secs 32 and 33
Va 15°35' E
ascending over and along summit of broken stone ridge bear N and NW 80 ft high and 450 ft above water in river

40.00	Set a sand stone 16×10×6 ins 8 ins in the ground for 1/4 sec cor marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side thence along E side of ridge to

80.00 Chs whole line runs over mountainous

R 57 W. Continued

Chas	
68.00	Top of ridge 80 ft high bs NE and decend W slope to
75.00	foot of mountain and entertable land bs NE
80.00	Set a sand stone 20×12×7 ins 12 ins in the ground for cor to secs 28. 29. 32 and 33 marked with 1 notch on S and 4 notches on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side Land broken and stony Soil Sandy 3 and 4th rates ~~No timber~~ 80.00 Chs whole line runs over mountainous ~~Land~~

East on a random line bet secs 28 and 33
Va 15°35' E
ascending W slope of mountain ridge to

8.00	top of ridge 450 ft above water in river bs NW SW and decend E slope over broken and stony ridge to
40.00	set temporary 1/4 sec cor and decend to
42.50	top of stone cliff 50 ft perpendicular and thence over peaks spurs and

and heads of canyons to
62.00 Canyon 50 feet deep Stone sides
decends N. and ascend to top of stone
spur bs N 15 chas and 300 ft
above water in river thence to
74.00 and decend stone cliff 200 ft
above sec cor below in gap
80.48 Intersect N and S line 37 lks
N of cor to sec 27. 28. 33 and 34
Thence I run
N 89°.44' W on a true line bet secs
28 and 33 with same Va
40.24 Set a sand stone 22×14×6 ins 14 ins
in the ground for ¼ sec cor marked
¼ on N face dug pits 18×18×12 ins
E and W of stone 5½ ft dist
and raised a mound of earth 1½
ft high 3½ ft base along side
80.48 The cor to secs 28. 29. 32 and 33
Land Pt ½ mile rollin and sandy
soil 4th rate ballance broken stony
peaks and canyon worthless only
for ofence No timber
80.48
whole line runs over mountainous
Land

80.00 Land ... whole line runs over mountainous

North bet secs 28 and 29
Va 15°35' E
ascending along W slope of stone ridge
20.00 top of perpendicular stone cliff
40 ft perpendicular thence decend
abruptly along to
32.00 thence decend along over barren stone
breaks to
40.00 Set a sand stone 30×12×4 ins 16
ins in the ground for ¼ sec cor marked
¼ on W face and raised mound of
rock 2 ft high 4 ft base around stone
thence decend over broken ground to
63.00 leave mountain range enter
valley of Niobrara River decend
N to river bs N W & E
80.00 Set a sand stone 17×10×6 ins 8 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
18×18×12 ins in each sec 5½ ft dist
and raised a mound of earth 2 ft high
4½ ft base along side
Land one mountain broken and
worthless in valley sandy and 3rd rate
32.00 ~~63 chas of this line runs over~~
mountainous land

Subdivisions of T 31 N

Chas	
	East on a random line bet secs 21 and 28 Va. 15°35' E over decending bottom
32.50	Niobrara River 20 lks wide 1½ ft deep brs S.E
40.00	Set temporary ¼ sec cor
76.70	Niobrara river 20 lks wide brs N E banks 4 ft high
80.00	Intersect N and S line 24 lks S of cor to secs 21. 22. 27 and 28 Thence I run S 89°50' W on a true line bet secs 21 and 28 with same Va
40.00	Set a S and stone 17×12×6 ins 8 ins in the ground for ¼ sec cor marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
80.00	The cor to secs 20. 21. 28 and 29 Land rolling River Valley soil sandy 2°° rate No timber

R 57. W Continued

Chas	
	North bet sec 20 and 21 over decending Val 15°35' E
2[illegible].50	Never decending valley
22.80	Niobrara River 22 lks wide 1½ ft deep banks 5 ft high brs E
40.00	Set a S and stone 15×10×3½ ins 8 ins in the ground for ¼ sec cor marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side thence over ascending Valley
47.50	Wagon road brs N W S E
61.00	Leave Valley at foot of spur of mountain brs E and W and ascend
80.00	Set a S and stone 20×10×6 ins 12 ins in the ground for cor to secs 16. 17. 20 and 21 marked with 3 notches on S. and 4 notches on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side Land in Valley 2°° rate balance stony and broken soil 4° rate 9 chas of this line runs over mountains land No timber

Subdivisions of T 31 N.

Chas	
	East on a random line bet. Secs 16 and 21 Va 15° 35' E
40.00	over high and stony land
	Set Limestone for 1/4 Sec cor
45.00	foot of Mountain bs N E & S E
	and ascend steep & sloped to
62.00	top of Mountain range 200 ft
	above water in river bs S E & N
	and descend over broken land
79.96	Intersect N and S line 7 lks
	N of cor to Secs 15. 16. 21 and 22
	Thence I run
	N 89 3/4 W on natural line bet Secs
	16 and 21 with Same V.a.
39.98	Set a Sand Stone 20 x 8 x 4 ins
	12 ins in the ground for 1/4 Sec
	cor. marked 1/4 on N. face dug
	pits 18 x 18 x 12 ins E and W of
	Stone 5 1/2 ft dist and raised
	Mound of earth 1 1/2 ft high 3 1/2 ft
	base along side
79.96	Thence Secs 16. 17. 20 and 21
	Land high and rolling soil 4th rate
34.96	Chas of this line runs over
	Mountainous Land

R. 5 W. Continued

Chas	
	North bet Sec 16 and 17 Va 15° 35' E
	descend & slope to
22.00	bank Spur of Mountain Enter
	creek Valley bs S W N E.
40.00	Set a Sand Stone 16 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 1/2 ft high 3 1/2 ft base along Side
45.30	mile Line N W. & E
47.00	Wagon road bs N W & S E
50.00	Mountain drain 2 chs wide bs S W
80.00	Set Sand Stone 18 x 9 x 6 ins
	10 ins in the ground for cor to Secs
	8. 9. 16 and 17 marked with 4 notches
	on S and E edges dug pits 18 x
	18 x 12 ins in each Sec 5 1/2 ft dist
	and raised Mound of earth 2 ft
	high 4 1/2 ft base along side
	Land rolling and Sandy
	soil 2nd and 3rd rate
	22 chs of this line runs over
	Mountainous Land
	No timber

Subdivisions of T 31 N

chas	
	East on a random line bet secs 9 and 16
	Va 15°35' E
5.00	foot of perpendicular rock 40 ft high 1 ly 2 chas at base
26.00	mountain drain 250 lks wide 40 ft deep bes S.W. and drain enter main drain from North
40.00	set temporary 1/4 sec cor
42.00	Same drain 2 chas wide bes N.W.
75.50	butte 30 ft high 1 ch at base on line
80.40	Intersect N and S line 21 lks N of cor to secs 9. 10. 15 and 16 Thence I run N 89°51' W on a true line bet secs 9 and 16 with same Va
40.20	set S and stone 16×12×8 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face dug pits 18×18×12 ins E and W of stone 5 1/2 ft dist and raised mound of earth 1 1/2 ft high 3 1/2 ft base along side
80.40	the cor to secs 8. 9. 16 and 17 Land rolling and sandy soil 2nd and 3rd rates No timber

Land high
whole line runs over mountain

R 57 W. Continued

chas	
	North bet sec 8 and 9
	Va 15°35' E
22.00	leave rolling valley at foot of ridge bes N W and N E
40.00	set S and stone 14×12×8 ins 7 ins in the ground for 1/4 sec cor marked 1/4 on W face dug pits 18×18×12 ins N and S of stone 5 1/2 ft dist and raised mound of earth 1 1/2 ft high 3 1/2 ft base along side
75.00	leave ridge bes N W & E enter valley
80.00	Set a S and stone 20×9×8 ins 12 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 18×18×12 ins in each sec 5 1/2 ft dist and raised mound of earth 2 ft high 4 1/2 ft base along side Land rolling soil sandy 3rd rate No timber

Subdivisions of T 31 N

Chas	
	East on a random line bet secs 4 and 9 V a 15°35' E
7.00	leave valley N W S E and ascend W slope of mountain to
40.00	set temporary ¼ sec cor on top of broken stone hills thence over broken hills
79.82	Intersect N and S line 24 lks N of cor to secs 3. 4. 9 and 10 Thence I run N 89°50' W on a true line bet secs 4 and 9 with same V.a.
39.91	set a sand stone 14×9×7 ins 7 ins in the ground for ¼ sec cor marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised mound of earth 1½ ft high 3½ ft base along side
79.82	the cor to secs 4. 5. 8 and 9 Land high and broken soil 3rd rate ~~72.82~~ 33.00 chas of this line runs over mountainous Land No timber

R 57 W. continued

Chas	
	North on a random line bet. secs 4 and 5 V 15°35' E over rolling valley
40.00	set temporary ¼ sec cor
80.44	Intersect N boundary of T 1 49 lks E of cor to secs 4. 5. 32 and 33 Thence I run S 0°21' E on a true line bet secs 4 and 5 with same V.a.
40.44	set a sand stone 22×12×4 ins 12 ins in the ground for ¼ sec cor marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along side
80.44	The cor to secs 4. 5. 8 and 9 Land rolling valley Soil sandy 3rd rate No timber June 29th 1883

Subdivisions of T 31 N

Chas	
	Tested Instrument on line established last night and find it correct
	I begin at cor to secs 5.6 31 and 32 on South boundary North bet secs 31 and 32
	V.a. 15° 35' E
	over gently rolling Table land
1.50	Wire fence bts E and W
40.00	Set a sand stone 16×9×5 ins 8 ins in the ground for ¼ sec. cor. Marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised mound of earth 1½ ft high 3½ ft base along side
80.00	Set a sand stone 17×9×7 ins 8 ins in the ground for cor to secs 29.30.31 and 32 marked with 1 notch on S and 5 notches on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised mound of earth 2 ft high 4½ ft base along side
	Land gently rolling soil sandy good 2nd rate
	No timber

Land high [illegible]
whole line runs over mountain [illegible]

R 57 W Continued

Chas	
	East on a random line bet secs 29 and 32
	Var 15° 35' E
	over gently rolling Table land
16.20	wire fence bts N and S
40.00	set temporary ¼ sec. cor.
80.16	Intersect N and S line at cor to secs. 28.29.32 and 33.
	Hence I run
	West on true line bet secs 29 and 32 with same V.a
40.08	Set a sand stone 16×8×8 ins 8 ins in the ground for ¼ sec. cor. marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised mound of earth 1½ ft high 3½ ft base along side
80.16	The cor to secs 29.30.31 and 32
	Land gently rolling soil sandy good 2nd rate

Subdivisions of T 31 N

Chas West on true line bet secs 30 and 31

V 15°35' E

16,60 Intersect boundary line bet Wyoming and Nebraska at a point 21.76 chas N of the 112th Mile cor which is a sand stone 12×10×4 ins above ground in mound of earth marked 110. Should have been 112. with pits 30×30×10 ins N and S of stone 6 ft dist

at closing point I

I set a sand stone 24×10×4 ins 12 ins in the ground for closing cor to secs 30 and 31 marked CC on East face with 1 notch on S and 5 notches on Edges dug pits 24×18×12 ins N E and S of stone 5½ ft dist and raised mound of Earth 2 ft high 4½ foot base W. of stone

Land gently rolling and sandy soil 2nd rate

Land high rolling

whole line runs over mountains

R 57 W. Continued

North bet secs. 29 and 30

Va 15°35' E

over gently rolling land

40.00 set a sand stone 16×12×8 ins 8 ins in the ground for ¼ sec cor marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised mound of earth 1½ ft high 3½ ft base along side

45.50 top of perpendicular cliff 15 ft high bis E and W and decend N slope of mountain range

51.54 wire fence bis E and W thence over broken stone ridges to

80.00 a point 175 ft above water in River and set sand stone 18×12×10 ins 10 ins in the ground for cor to secs 19.20. 29 and 30 marked with 2 notches on S and 5 notch on Edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised mound of earth 2 ft high 4½ base along side

Land. 1st 45 chas good 2nd rate land

balance broken and stony 4th rate

6.04 chs ~~34.50 chas of this line runs over mountain ends land~~

No timber

Subdivisions of T 31 N

Chas	East on a random line bet secs 20 and 29
	Va 15°35' E
	decend ~~E slope of mountain~~ over broken and stony surface
40.00	set temporary ¼ sec cor
61.00	foot of E slope at high Valley of Niobrara River decending N.E
80.34	Intersect N and S line 22 lks N of cor to secs 20. 21. 28 and 29
	Thence I run
	N 89°51' W on a true bet secs 20 and 29. with same Va
40.17	set a sand stone 17×9×7 ins 8 ins in the ground for ¼ sec cor marked ¼ on N face dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised mound of Earth 1½ ft high 3½ ft base along side
80.34	The cor. to secs. 19. 20. 29 and 30
	Land high broken and stony soil 1st 61 chs 4th rate balance 3rd rate
	[illegible] of this line runs over [illegible] Land
	Notimber

R 57 W Continued

Chas	West on a true line bet secs 19 and 30
	Va 15°35' E
	over rolling stone spurs as cending west
16.40	Intersect Boundary line bet Wyoming and Nebraska at a point 21.60 chas North of the 113th mile cor which is a sand stone 10×8×7 ins above ground in mound of earth marked 111 M. with pits 30×30×10 ins N and S of stone 6 ft dist this stone should have been marked 113 M. and at closing point I set a sand stone 20×10×6 ins for closing cor to secs 19 and 30 marked CC on E face with 2 notches on S and 5 notches on E edges dug pits 24×18×12 ins length wise on line N. E. and S of stone 6 ft dist and raised a mound of earth 2 ft high 4½ ft base along side
	Land broken and stony soil 4th rate
	whole line runs over mountainous Land Notimber

Subdivisions of T 31 N

chas	
	North bet secs 19 and 20
	Va 15°35' E
	decending over broken (brown ~~mountain ridges to~~)
40.00	set Sand stone 18×10×7 ins 10 ins in the ground for ¼ sec cor marked ¼ on W face and raised mound of rock 1½ ft high 4 ft base around stone (~~and decend N slope to~~)
55.00	Valley of River bs NWSE and decends to river here leave mountains
71.20	Niobrara river. 24 lks wide run NE comes from NW water 15 ins deep
74.00	cor of wire fence bs west 3 chas
80.00	Set a Sand stone 18×9×7 ins 10 ins in the ground for cor to secs 17.18.19 and 20 marked with 3 Notches on S and 5 notches on 3 edges dug pits 18×18×12 ins in each sec. 5½ ft dist and raised a mound of earth 2 ft 4½ ft base along side
	Land 1st 55 chas broken and stony 4th rate balance 2nd and 3rd rate
	[illegible]
	[illegible]
	Land high rolling [illegible]
	whole line runs over mountainous [illegible]

R 57 W Continued

chas	
	East on a random line bet secs 17 and 20
	V 15°35' E
	over low River valley ascending East
10.50	wagon road bs NWSE
21.00	leave valley ascend stony ridge
34.00	decend E slope
40.00	Set temporary ¼ sec cor
45.00	leave ridge N and S ewtr valley of creek
49.00	grassy bed of creek with water in grass bs S and N
56.00	leave valley (~~at foot mountain Spur bs NE~~) ~~SE~~ and ascend W slope of Spur.
80.10	Intersect N and S line 38 lks S of cor to secs 16.17.20 and 21
	Thence I run
	S 89.44 W on a true line bet secs 17 and 20 with same va
40.05	set a Sand stone 15×10×7 ins 8 ins in the ground for ¼ sec. cor marked ¼ on N side and raised a mound of rock 2 ft high 4 ft base around stone
80.10	The cor to secs 17.18.19 and 20
	Land in valley 1st and 2nd rate ballance 4th rate
	24.10 chas ~~of this line runs over mount~~ ainous ~~Land~~ No timber

Subdivisions of T 31 N

Chas	
	West on a true line bet secs 18 & 19 Va 15°35' E
	over low River bottom
3.90	wire fence brs N and S
14.30	Niobrara River 24 lks wide 1½ ft deep brs S E N W
16.26	Intersect Boundary line bet Wyoming and Nebraska at a point 21.53 Chas N of the 114 mile cor. which is a Sand stone 16×10×8 in above ground in mound of Earth Marked 112 M on S side should have been 114 M with pits 30×30×10 ins N and S of stone 6 ft dist. At which closing point I set a Sand stone 24×12×8 ins for closing cor to secs 18 & 19 marked CC N.E.B on E and W.Y.O. on W faces with 3 notches on S and 5 notches on E edges dug pits 24×18×12 ins Length wise on line N. E and S of stone 6 ft dist and raised mound of earth 2 ft high 4½ ft base along side Land low bottom 1st rate soil
	Natrubes some large spring along the Wyoming line at foot of hill

R 57 W Continued

Chas	
	North bet secs 17 and 18 Va 15°35' E
7.08	wagon road brs S E N W
16.00	Leave river bottom brs S E N W
	Then cross broken ridge
40.00	Set a Sand stone 14×9×7 ins 7 ins in the ground for ¼ sec cor marked ¼ on W face dug pits 18×18×12 ins N and S of stone 5½ ft dist and raised mound of earth 1½ ft high 3½ ft base along side and decend N
61.15	wire fence brs S E N W
76.23	wagon road brs S E N W
80.00	Set a Sand stone 20×10×5 ins 12 ins in the ground for cor to secs 7. 8. 17 and 18 Marked with 4 notches on S and 5 notches on E edges dug pits 18×18×12 ins in each sec 5½ ft dist and raised mound of Earth 2 ft high 4½ ft base along side Land in valley good 2nd rate ballance stony 3rd and 4th rate
	Natrubes

Subdivisions of T 31 N

Chas	
	East on a random line bet. secs. 8 and 17. Va 15.35 E
	over rolling valley
31.00	ascend point of S end of stone ridge bs N.W
40.00	Set temporary 1/4 sec cor
67.00	Drain descends S E
80.22	Intersect N and S line 38 lks S of cor. to secs 8. 9. 16 and 17
	Then a I run
	S 89.44 W on a true line bet secs 8 and 17 with same V.a.
40.11	Set a sand stone 16×10×6 ins 8 ins in the ground for 1/4 sec cor. marked 1/4 on N face dug pits 18×18×12 ins E and W of stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side
80.22	The cor. to secs 7. 8. 17 and 18
	Land rolling valley soil 2 and 3 rd rates
	No timber

June 30 1883

R 57. W. Continued

Chas	
	West on a true line bet secs 7 and 18 Va 15.35 E
17.56	Intersect Boundary line bet Wyoming and Nebraska at a point 23.10 chas N. of the 115 mile cor which is a sand stone 28×16×6 ins in mound of earth marked 113 M on S. side should be 115 M with pits 30×30×8 ins N and S of stone 6 ft dist
	At closing point I set a sand stone 18×12×4 ins 10 ins in the ground for a closing cor to secs 7 and 18 marked CC on E face with 4 notches on S and 5 notches on E edges dug pits 24×18×12 ins length wise on each line N. E. and S of stone 5 1/2 ft dist and raised a mound of earth 2 ft high 4 1/2 ft base along side
	Land soil sandy 2 rate
	No timber

57 Subdivisions of T 31 N

chas	North bet secs 7 and 8 Va 15° 38' E
9.00	leave Valley E and N at foot of ridge
40.00	set a S and Stone 17x8x7 ins 9 ins in the ground for 1/4 sec cor marked 1/4 on W face dug pits 18x18x12 ins N and S of Stone 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base along side
70.00	descend
75.00	leave ridge enter Valley bes S E
80.00	Set S and Stone 20x10x4 ins 12 ins in the ground and in head of grassy draw for cor to secs 5, 6, 7 and 8 Marked with 8 notches on S and E edges dug pits 18x18x12 ins in each sec 5 ft dist and raised a mound of earth 2 ft high 4 1/2 ft base along side Same valley and valley Sand 2nd and 3rd rate No timber

58

B 57 W Continued

chas	East on a random line bet secs 5 and 8 Va 15° 38' E
12.00	leave Valley bes S E and ascend Stony ridge bes S E & W
25.00	Top of ridge 200 feet high
30.00	enter Valley bes S E
40.00	Set Temporary 1/4 sec cor
42.00	Stream 10 ft deep bes S E
50.00	foot of ridge bes S E
61.00	Top of ridge 160 ft high bes N & S E
71.00	enter Valley bes S E
80.46	Intersect N and S line at cor to secs 4, 5, 8 and 9 Thence I run West on a true line bet secs 5 and 8 with same Va
40.23	set a S and Stone 17x8x6 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face dug pits 18x18x12 ins E and W of Stone 5 ft dist and raised a mound of earth 1 ft high 3 ft base along side
80.46	Thence to secs 5, 6, 7 and 8 Sand ridges and Valleys Soil 3rd and 4th rates No timber

Subdivisions of T 31 N

Chas	West on a true line bet secs 6 & 7 Va 15° 35' E
6.00	Leave Valley brs S E as cmd Stone ridge 150 ft high brs S. E.
18.80	Intersect Boundary line bet Wyoming and Nebraska at a point 25.05 chas N. of the 116th Mile cor which is a Sand Stone covered in mound of earth with pits 30x30x10 ins N and S of Stone 6 ft dist. Stone not uncovered at which closing point I set a Sand Stone 20x12x6 ins 10 ins in the ground for closing cor to secs 6 and 7 marked CC on E face with 5 notches on S and E edges dug pits 24x18x12 ins length of same on each line N. E. and S of Stone 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base along side
	Land valley and ridge said 2 and 3rd rates.
	No timber

R 57 W Continued

	North on a random line bet secs 5 and 6 Va 15° 35' E
6.00	Leave Valley brs S E & W and as cmd
40.00	Set temporary ¼ sec cor
43.00	Top of Stone ridge brs S E 180 ft
62.00	Level ridges into Valley brs S E high and descend
81.20	Intersect N boundary of Township 24 Rge E on to secs 5. 6. 31 and 32 Thence S run S 0.10 E on a true line bet secs 5 and 6 with same Va
41.20	Set a Sand Stone 18x10x7 ins in base Sand Stone rock for ¼ sec cor marked ¼ on W face and raised a mound of rock 2 ft high 5 ft base around Stone
81.20	The cor to sec 5, 6, 7 and 8 Land in Valley 2nd rate balance worthless
	No timber
	July 1st 1883

General Description

This Tp. has two classes of land Mountains and Valleys and the Soil ranges from 2d rate to worthless

The range of Mountains begins in Sec 25 and extends NW through the Tp. There is a Mountain drain begins in Sec one and enters the Niobrara River in Sec 20 along which are some good Valley lands There are several wire fences in Tp

The Niobrara River runs Easterly from west to S boundary

A preliminary Railroad Survey runs along Valley of river across Tp.

There are several settlers in this Tp the No's of their claims are described at the end of the notes of the Ch

sections in which they are located

The lands in this Tp are better adapted to grazing than are cultural purposes

U.S. Surveyor Generals Office
Plattsmouth Nebraska

The foregoing field notes of the subdivision lines of Tp. 31. N. R 5 W of 6 P.M. in Nebraska executed by George W. Fairfield U.S. Deputy Surveyor under his contract No 113. dated September 14-1882 during the month of June and July 1883. having been critically examined the necessary corrections and explanations made. the said field notes and the survey they describe are hereby approved

D. M. Thompson
Surveyor General.

Field Notes
of the
Survey of the Subdivisional Lines,
of
Township No. 32. N. of Base Line,
Range No. 5 W. of 6th P. M.
in the
State of Nebraska.

As Surveyed,
by
George W. Fairfield,
U. S. Dep. Surveyor.

Under his Contract,
No. . . . . 13.
Dated, Sept 14 1882

Survey
Commenced July 10. 1883
Completed July 20. 1883

Town No 32 N Range No 57 W

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

Subdivisions, T32N. R5W.

On the night of July 15th, 1883, I took an observation on the star Polaris, in accordance with instructions contained in the Manual of Surveys, and drove pickets on the line thus established.

Survey commenced July 16th, 1883, with a Gurley Transit instrument with 6 inch needle.

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

Chas

Before commencing this survey, I run North on a blank line along the E. boundary of sec. 36, and at 39.93 Ch. found ¼ sec. cor. and at 80.05 Ch. found sec. cor. As the South boundary was run by myself, it was not retraced. My Compass will therefore run the same lines as the exterior boundaries, and the chaining, practically agrees.

Survey ~~commenced~~ with a Gurley transit instrument, with 6 inch needle.

From the cor. to secs 1, 2, 35, and 36, on the South boundary of the township,
Run,
North bet. secs 35 and 36,
Va. 15° 40' E.
Over rolling and broken mountain spur.

Subdivisions, T. 32 N.

Chas	
22.00	Commence descent,
26.00	Bot. of canon 1 ch. wide, 30 ft. deep, course West. Thence ascend over rocky ridge,
29.00	Enter branch of canon, course W. Thence follow up bed of canon,
34.00	Leave canon, course S.W. Thence ascend rocky side,
40.00	Set a sandstone, 20 x 12 x 5 ins., 15 ins. in the ground, for ¼ sec. cor. marked, 4 notches W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ⅓ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. Thence ascend, broken gravel spurs, course N.E. and S.W.
51.00	Top of gravel spurs, 60 ft. high,
80.00	Set a sandstone, 22 x 10 x 5 ins., 14 ins. in the ground, for cor. to secs. 25, 26, 35, and 36, marked with 1 notch, on S. and E. edges, dug pits, 18 x 18 x 12 ins., in each sec. 3 ⅓ ft. dist., and raised, a mound of earth, 2 ft. high,

Whalen

R. 5 7. W. Continued.

Chas	
	1½ ft. base alongside. Land, - Broken gravel mountain spurs, Soil, - sand and gravel, 4th rate, No timber, Whole line runs over Mountainous land.
	East on a random line bet. secs. 25. and 36, Va. 15° 40' E. Over rolling, and broken gravel spurs,
40.00	Set temporary ¼ sec. cor.
56.00	Commence descent of E. Slope of Mountain,
62.00	Bot. of canon 20 ft. deep, course S.E. Thence ascend,
65.00	Enter high, rolling table land,
80.30	Intersect 7th G.M. 3 links N. of cor. to secs. 25, 30, 31, and 36. Thence runs, N. 89° 59' W. on a true line bet. secs. 25. and 36. with same va.

Subdivisions. T. 32 N.

Chas	
40.15	Set a sandstone, 16X8X4 ins, 11 ins, in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18X18X12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80.30	The cor. to secs. 25. 26. 35. and 36. Land, - broken gravel, spurs. Soil, - 3rd, and 4th rate. No timber. 65 chs of line, runs over mountainous land.

North bet secs. 25. and 26.
Va. 15° 40' E.
Over spurs on west slope of mountain, 120 ft. high.

40.00	Set a sandstone, 20X12X3 ins, 15 ins, in the ground, for ¼ sec. cor. marked, ¼ on W. face. dug pits, 18X18X12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft.

R. 57 W. Continued.

Chas	
	high, 3½ ft. base, alongside.
48.00	Descend abruptly.
52.00	bottom of canon, 3 chs wide, 40 ft. deep, course West. Thence ascend,
55.00	Leave canon, thence over rocky spur.
64.00	Descend.
68.00	Bottom of rocky canon, 3 chs. wide, 30 ft. deep, course, S 20° W. Thence up dry bed of canon,
73.00	Ascend steep side of canon,
77.00	Leave canon, ascend, 80 ft to
80.00	Set a sandstone, 22X17X8 ins, 16 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, 18X18X12 ins, in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, - broken gravel spurs. Soil, - 4th rate. No timber. Whole line runs over mountainous land.

Subdivisions. T. 32. N.

Chas	
	East on a random line, bet. secs. 24. and 25. Va. 15. 40' E.
	Descend
2,50	Bottom of canon 2 chs. wide, 40 ft. deep, course, South. ~~Thence ascend.~~
4.00	Leave canon, Thence over broken stony spurs, about 80 ft. high.
40.00	Set temporary ¼ sec. cor. 100 ft above sec. cor. and descend over stony ridge
80.04	Intersect 7th G.M. 17 lks. S. of cor. to secs. 19. 24. 25. and 30. Thence Irun. S 89° 53' W. on a true line bet. secs. 24. and 25. with same va.
40.02	Set a sandstone, 14x9x4 ins, 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12. ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.

R. 57. W. Continued.

Chas	
80.04	The cor. to secs. 23. 24. 25. and 26. Land - rough, and broken, Soil - clay, and gravel, 4th rate, No timber. W. hole line runs over mountainous land.
	North bet. secs. 23. and 24. Va. 15° 40' E.
	Ascend, South slope of Mountain to ¼ sec. cor. 200 ft. above last sec. cor.
40.00	Set a sandstone, 18x7x5 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on, W. face, dug pits, 18x18x12 ins N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside. Thence over flat. table land.
60.00	Descend N. slope of mountain, to
80.00	point 100 ft. below last ¼ sec. cor. Set a sandstone, 18x8x4 ins, 12 ins. in the ground, for cor. to secs.

Subdivisions. T. 32 N.

Chas	13. 14. 23. and 24. marked with 3 notches on S. and, 1 notch on E. edges. dug pits 18x18x12 ins, in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, high, broken mountain, Soil, 4th rate. No timber, Whole line runs over mountainous land.
	East on a random line bet. secs 13. and 24. Va. 15° 40' E. Descend over N.E. slope of mountain,
12.00	Enter valey, 100 ft below last sec. cor. course, S.E.
28.00	Canon, 2 chs. wide, 30 ft. deep, course, S.E.
34.00	Leave valey, Ascend west slope of mountain,

R. 57. W. Continued.

Chas 40.00	Set temporary ¼ sec. cor. about 100 ft. above valey, Thence, along side of south slope of mountain.
80.46	Intersect 7th G.M. 16 lks S. of cor. to secs. 13. 18. 19. and 24 Thence Trun. S. 89°53' W. on a true line bet. secs 13. and 24. with same va.
40.23	Set a sandstone, 16x9x4 ins, 11 ins, in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits, 18x18x12, ins, E. and W. of stone, 5½ ft. dist and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
80.46	The cor to secs. 13. 14. 23. and 24, Land, rolling, and broken, Soil, in valey, 1st rate, upland, 3rd rate, No timber. 58.46 chs. of line runs over mountainous land.

Subdivisions. T. 32 N.

Chas	
	North bet. secs. 13. and 14. Va. 15° 40' E.
	Descend over N. slope of mountain.
10.00	Enter valey, about 100 ft. below last sec. cor. course S.E.
30.00	Canon, 2 chs. ~~wide, 2 ft.~~ deep, steep rocky sides, course S.E.
40.00	Set a sandstone, 14x9x4 ins, 10 ins, in the ground, for ¼ sec. cor. marked, ¼ on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
58.00	Leave valey, course, S.E. Thence assend along West slope of mountain.
80.00	Point, 80 ft. above last ¼ sec. cor. Set a sandstone, 17x12x6 ins, 12 ins. in the ground, for cor to secs. 11. 12. 13. and 14, marked with 4 notches on S. and 1 notch on E. edges. dug pits, 18x18x12 ins. in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside

R. 57 W. Continued.

Chas	
	Mountain, stony, 3rd. rate, valey, good 2nd rate, black soil. No timber.
	32. chs. of line, runs over mountainous land.
	East on a random line bet. secs. 12. and 13. Va. 15° 40' E.
	Ascend W. slope of mountain.
33.00	Top of mountain, 200 ft. above last sec cor course, N. and S. Thence descend.
40.00	Set temporary ¼ sec. cor.
66.00	Enter table land, 100 ft. below top of mountain.
80.06	Intersect 7th G.M. 10 lks. N. of cor. to secs. 7. 12. 13. and 18. Thence I run. N 89° 56' W. on a true line, bet. secs. 12. and 13. with same va.
40.03	Set a sandstone, 15x10x4 ins, 10 ins,

Subdivisions T. 32. N. R. 5 W. Continued.

Chas	in the ground, for 1/4 sec. cors. marked, 1/4 on W face. dug pits 18x18x12 ins. E. and W. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside.
80.00	Pine cor. to secs. 11, 12, 13, and 14, Land — on mountain, rough, and broken, 3rd. rate, in valley, sandy, 2nd rate, No timber. 66 chs. of line over mountainous land.
	North bet. secs. 11 and 12, Va. 15° 40' E.
28.00	Descend along side of mountain.
39.50	Descend steep side of mountain.
	Old Stage road, course NE. and SW. in gap, between hills.
110.00	Set a sandstone, 15x8x13 ins, 10 ins. in the ground, for 1/4 sec. cor. marked, 1/4 on W face. dug pits, 18x18x12 ins.
Chas	W. and S. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside.
44.00	Descend Mountain, course W. and W.
68.00	Enter pine timber.
70.00	Descend Mountain, course E. and N.
79.00	Pine tree, 14 ins. diam, on line.
79.50	Perpendicular cliff, 70 ft. high on E side of canon, 300 ft. deep, course East.
80.00	Paint for cor. falls on steep side of canon, impossible to get at, Therefore selected pine tree, 14 ins. diam, 1 Ch. S. of true point for witness cor. to secs. 1, 2, 11, and 12, marked, S. 1. T 32 N. on W. S 12. R 5 W. WC. on S. S. 11. on S W. and, S 2. on E W. faces. From which, A pine, 4 ins diam, bears S 22° 45' E. 38 lks. dist, marked. BT. A pine, 5 ins, diam, bears S 63° W. 48 lks. dist, marked. BT. Land, rough, rocky, and broken.

Subdivisions. T. 32 N.

Chas	
	Soil, 3rd, and 4th rate.
	Timber, pine, 12. chs.
	Whole line runs through mountainous land.
	July 16th 1883
	East on a random line bet. secs. 1, and 12.
	Va. 15° 40' E.
	Through pine timber, and over mountain peaks, and through deep canons.
	As it was imposible to get to true pt. for cor, I run East from witness cor.
10.00	Offsett north, 1 ch. to line.
25.00	Commence descent into canon
40.00	Set temporary ¼ sec. cor.
43.00	bottom of canon 300 ft. deep, and 100 ft. below, ¼ sec. cor. course N.W.
	Thence ascend steep rocky side of canon.
45.00	Leave canon.

R. 57 W. Continued.

Chas	
52.00	bare perpendicular rock, 60 ft. high, on line.
	here, offsett 1 ch. S.
57.00	Offsett 1 ch. North to line, Thence, Descend E. slope of mountain.
67.50	Old stage road, course N.E. and S.W. and winds down mountain side.
80.48	Intersect 7th G.M. 25 lks. N. of cor. to secs. 1. 6. 7. and 12.
	Thence I run,
	N. 87° 49' W. on a true line bet. secs. 1. and 12. with same va.
40.24	A pine tree, 12 ins. diam., which I marked ¼ COR on N. face, for ¼ sec. cor.
	cor. stands, 100 ft. above bottom of canon, and 200 ft. below top of mountain.
	A spring rises, 4 chs. N.W. of cor.
	Land rocky, and broken.
80.48	Cor. to secs 1. 2. 11 + 12. Soil, sandy, 4th rate
	Timber, pine, 80.48 chs.
	Whole line runs over mountainous land.

Subdivisions. T. 32 N.

Chas	
	North on a true line bet. secs. 1. and 2. Va. 15° 40' E.
	Through deep canons, and over mountain spurs.
	Through, heavy pine timber.
	Impossible to cross, canon, which is about 5 chs. wide, therefore, offsett 10 chs. west from witness cor., Thence, run 10 chs. North, by head of canon, then, offsett 10 chs. E. to a point, 9 chs. N. of true point for sec. cor.
22.00	Descend abruptly to head of canon.
26.00	Bottom of canon, 50 ft. deep, course East. Thence ascend.
40.00	Set a sandstone, 26x10x4 ins, 18 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face, and raised a mound of stone alongside.
	From which,
	A pine, 6 ins diam, bears N. 34° 10' W. 55 lks. dist, marked, ¼ S BT.
	A pine, 7 ins. diam, bears, S 59° 30' W. 70 lks. dist, marked, ¼ S. BT.

R. 57 W. Continued.

Chas	
42.00	Commence descent of steep rocky mountain side.
44.00	Head of canon, 50 ft. deep course N.W.
80.80	Intersect. 8th standard, at a point, 17.20 chs. W. of Standard ¼ sec. cor. on S. boundary of Sec. 31. T 33 N. R 56 W. which is. Parallel. A mound of earth, 1 ft. high, 3½ ft. base, with pits 18x18x6 ins, E. and W. of mound 5½ ft. dist. In E. pit, a post, 2 ft. long, 2 ins. square, marked, ¼ S. SC. on N. face. At which point, I set a sandstone 18x10x7 ins, 12 ins. in the ground, for closing cor. to secs. 1. and 2. marked, CC. on S. face, with, 1 notch on E. and 5 notches on W. edges, dug pits, 18x18x12 ins. S. E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.
	Land, - rocky Canons, and mountain spurs.
	Soil, - sand, and stony, 4th rate.
	Timber, pine, - 80.80 chs.
	Whole line runs over mountainous land.

Subdivisions. T. 32 N.

Chas	Crow the cor. to secs. 2, 3, 34, and 35; on the South boundary of township,
	Thence North bet secs. 34 and 35: Va. 15° 40' E,
	Ascend ave. table land.
22.00	Gravel spur, course NW. and SE.
	Thence, descend, along Mountain slope,
38.00	foot of mountain, 150 ft. below top, course E. and W.
40.00	Set a sandstone, 16 x 10 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, W. and S. of stone 3½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
	Thence, through grassy valley.
50.00	Leave valley, course SE. and ascend
68.00	Top of gravel spur, 100 ft. high, course NW. and SE.
80.00	Point, on E. slope of mountain, 150 ft. above valley,
	Set a sandstone, 18 x 10 x 6 ins, 12 ins. in

R. 57 W. Continued.

Chas	the ground, for cor. to secs. 26, 27, 34, and 35; marked, with 1 notch on E. and 2 notches on E. edges, dug pits, 18 x 18 x 12 ins, in each sec. 3½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.
	Land, in valley, sandy 2nd rate, balance, rocky, and broken, 4th rate. No timber,
	Whole line, runs over, mountainous land.
	East, on a random line bet secs. 26, and 35: Va. 15° 40' E.
	Over high mountainous prairie,
210.00	200 ft. above last ¼ sec. cor. in valley, Set temporary ¼ sec. cor.
	Thence, descend,
65.00	Drain, in mountain, 100 ft. deep, rocky sides, course, South, and ascend
80.18	Intersect N. and S. line, 14 links W. of

Subdivisional T. 32 N.

R. 57 W Continued.

Chas		Chas	
	cor. to secs. 23, 26, 35, and 36. Thence Drns, N 89° 34' W. on a true line bet. secs. 26. and 35. with same va.		¼ on W. face, dug pits, 18x18x12 ins. N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3⅓ ft. base, alongside. Cor. stands on NE. slope of mountain spur, course SE. Thence Descend.
40.09	Set a sandstone, 18x12x8 ins, 12 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits, 18x8x12 ins, E and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3⅓ ft. base, alongside.	5.00	Gulch, 2 chs. wide, 30 ft. deep, course SE, and ascend.
		15.00	Top of flat, 200 ft. above bottom of gulch, course SE. and NW.
8.18	Pine cor. to secs. 24, 27, 34, and 35. Land—high, rolling, and broken. Soil, 2nd, and 3rd rate. No timber. Whole line runs over mountainous land.	80.00	Set a sandstone, 16x10x7 ins, 11 ins. in the ground, for cor. to secs. 22, 23, 26, and 27, marked, with 2 notches on S. and E. edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4⅓ ft. base, alongside. Land—stony, and broken, 3rd to 4th rate. No timber. Whole line runs over, mountainous land.
	North bet. secs. 26. and 27. Va. 15° 40' E. Over rolling ridges, and mountain spurs. 150 ft. high, course SE.		
40.00	Set a sandstone, 18x17x6 ins, 12 ins. in the ground, for ¼ sec. cor. marked,		

Subdivisions. T. 32 N.

Chas

East on a random line bet. secs. 23, and 26.
Va. 13° 40' E.

15.00 Leave flat, course N. and S.
Spruce over broken spurs, 60 ft. high, descending, S E,

40.00 Set temporary ¼ sec. cor.
Thence descend, over high broken land, course S E.

47.00 Bottom of canon, 2 chs. wide, 40 ft. deep, rocky sides, course S 30° E.
Thence ascend over broken spurs, about 120 ft. above bottom of canon.

76.00 Ground rises to W.

79.82 Intersect N. and S. line, 2 links W. of cor. to secs 23, 24, 25, and 26.
Thence, Runs,
N 89° 30' W. on a true line bet. secs. 23 and 26, with same va.

89.91 Set a sandstone, 14 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, E. and W. of stone, 5 ½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.

R. 5 7 W. Continued.

Chas

79.82 Gen. cor. to secs. 22, 23, 26, and 27,
Land, mountains composed of stone, gravel, and sand, - 4th rate.
No timber,
Whole line runs over, mountainous land,

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North bet. secs. 22, and 23.
Va 13° 40' E.
Along table land,

18.00 Descend N. slope of mountain.

40.00 Set a sandstone, 12 x 11 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, N and S. of stone, 5 ½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
Thence descend,

42.00 Canon 1 ch. wide, 90 ft. deep, Perpendicular banks, course S E.
Thence ascend S slope of mountain, to,

Subdivisions. T. 32 N.

R. 37 W. Continued.

Chas	
80.00	Point 2.50 ft. above last, ¼ sec. cor. Set a sandstone, 32 x 12 x 12 ins, 2 ins in the ground, for cor. to secs. 14, 15, 22, and 23, marked with 3 notches on E. and 2 notches on E. edges, and raised a mound of rock 2 ft. high, 4½ ft. base, along side. Land, broken mountainous spurs, of sand and rock, 3rd rate, No timber. Whole line runs over mountainous land.
	East on a random line bet. secs. 14, and 23. Va. 15° 40' E.
	Descend over mountain ridges, and spurs, from 50 to 150 ft. high, course SE.
40.00	Set temporary ¼ sec. cor.
45.00	Descend over broken spurs,
79.62	Intersect W. and S. line, 35 lks.

Chas	
	N. for cor. to secs. 13, 14, 23, and 24. Thence E. on a true line bet. secs. 14, and 23. with same va.
39.81	Set a sandstone, 2 x 12 x 13½ 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, 5½ ft. base, along side,
79.62	E. for cor. to secs. 14, 15, 22, and 23. Land, broken mountainous spurs, of rock and sand. Soil, 4th rate, No timber, whole line runs over mountainous land.

Subdivisions. T 32. N.

chas	
	North bet. secs. 14 15 and 15. Va. 15° 40' E.
	Descend over broken E. slope of mountain, 200 ft. high, course S. E.
40.00	Set a sandstone, 17x16x4 ins. 12 ins in the ground for ¼ sec. cor. marked ¼ on N. face, dug pits 18x18x12 ins. N. and S. of stone 3½ ft. dist and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside,
50.00	Leave broken side of mountain and enter valley, course N. and S.
80.00	Thence over mountain Valley Set a sandstone, 23x11x3 ins, 16 ins. in the ground, for cor. to secs, 10, 11, 14, and 15, marked, with 4 notches on S. and 2 notches on E. edges, dug pits 18x18x12 ins, in each sec. 3½ ft. dist, and raised a mound of earth 2 ft. high, 4½ ft. base, alongside. Soil—2nd rate, in valley, 4th rate on mountain sides Hat timber, 80 chs. of line runs over mountainous land.

R. 5 W. Continued.

chas	
	East on a random line bet. secs. 11. and 14. Va. 15° 40' E.
	Over valley, course S. E.
6.00	Descend,
10.00	Canon, 2.50 chs wide, 35 ft. deep course S. E.
11.00	Old stage road, in bottom of canon, course S. E. thence, ascend.
15.00	Same road, course N. E.
20.00	Same road, course S. E.
38.00	Same road, course N. E.
40.00	Set temporary ¼ sec. cor,
62.00	Leave valley at foot of mountain 200 ft. high, course N. and S. Thence ascend,
79.82	Intersect N. and S. line, at cor. to secs. 11. 12. 13. and 14, Thence Due, West, on a true line bet. secs, 11. and 14. with same va.
39.91	Set a sandstone, 18x12x8 ins, 12 ins, in the ground, for ¼ sec. cor. marked, ¼ on N. face. dug pits, 18x18x12 ins.

Subdivisions. T. 32 N.

Chas	
	E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.82	The cor. to secs. 10, 11, 14, and 15. Soil, - sandy, - 2nd rate. No timber.

North bet. secs. 10. and 11.
Va. 15° 40' E.

	Over valey.
1.00	Old stage road, course N 65° E.
19.00	Canon, 2 chs. wide, 20 ft. deep course, S E.
30.00	Leave valey, at fot of mountain course S E. Thence ascend.
40.00	Point, 100 ft. above valey. Set a sandstone, 16x10x4 ins, 11 ins, in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.

R. 57 W. Continued.

Chas	
72.00	Leave side of mountain, Enter valey, course S W.
80.00	Set a sandstone, 21x10x4 ins, 15 ins, in the ground, for cor. to secs. 2, 3, 10. and 11. marked, with, 5 notches, on S. and 2 notches on E edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 1½ ft. base, alongside. Soil, - in valey, sandy, and 2nd rate, on mountain, 3rd, and 4th rate. No timber. 42. chs of line, runs over mountainous land.

East. on a random line, bet. secs. 2. and 11.
Va. 15° 40' E.

10.00	Leave valey, Ascend over mountain ridges, 100 ft. high course N E and S W.
40.00	Set temporary ¼ sec. cor. 100 ft. above valey.

Subdivisions. T. 32 N.

Chas	
	Thence descend, along E slope of mountain.
55.00	Enter timber
68.00	Head of canon 250 ft. deep, course S 86° E. here offset 150 lks. South, Thence East.
80.42	Intersect N. and S. line, 20 lks. S. of witness cor. to secs 1, 2, 11, and 12. Therefore the true closing will be, 30 lks. N. of true pt. for cor. to secs. 1, 2, 11, and 12. Thence, True, N 89° 47' W. on a true line bet. secs. 2, and 11, with same va.
40.21	Set a sandstone, 16x10x4 ins, 11 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
80.42	The cor. to secs. 2, 3, 10, and 11. Land high broken, and worthless except first 10 chs. Timber, Pine, 25.42 chs.

R 57 W. Continued.

Chas	
	North, on a true line bet. secs. 2, and 3. Va. 15° 40' E. Through a valey, ascending North,
10.00	2 chs. East, a pond of water, 2x4 chs. water, 6 ins. deep.
40.00	Top of mountain, 800 ft. above water, in creeks, at foot of N. slope of mountain, and 300 ft. above sec. cor. Set a sandstone, 17x10x8 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face, dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
45.00	Enter timber.
47.00	Descend to rocky canon 150 ft. deep, course N E.
53.00	Rocky canon, 4 chs. wide, 175 ft. deep, course East.
72.00	Rocky canon, 4 chs. wide, 200 ft. deep, course East.
81.08	Intersect 8th Standard at a point, 23.32 chs. E. of standard cor. to secs 35 and 36. T 33 N. R 57 W. which is a limestone 24x4x2 ins set in mound of earth 2 ft high 4 ft base, with pits

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Subdivisions. T. 32 N.

24×24×12 ins E. W & N of mound 5½ ft dist
In E pit a stake 2×2×24 ins. marked CC. T33N.
on N. R56W. on E. & R57W. on W faces, at
Chas which point, I set a sandstone,
24×10×6 ins, 16 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, and
raised a mound of rock, 2 ft high,
4½ ft. base, alongside.
From which,
A pine, 4 ins, diam, bears, N 55° W.
28 lks. dist, marked CC. T32N. R57W S3, B7.
The closing distance on 8th,
Standard, paralell, was made
to the standard cor, to secs 35, and
36, as there is a perpendicular cliff.
a few chs. East of the closing cor,
which cannot be, measured, or
crossed,
Land, - broken and worthless.
Timber, - Pine, - 36.08 chs.
81.08 chs. of line runs over mountainous
land,

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R. 57 W. Continued.

Tested instrument on line
established last night,
and found it correct.

Subdivisions. T. 32 N.

Chas	From the cor. to secs. 3. 4. 33. and 34, on the South boundary of township
	I run,
	North bet. secs. 33. and 34.
	Va. 15° 40' E.
	Ascend broken mountain range.
38.00	Top of mountain, 150 ft. above sec. cor. course S.E. with some barren rocky points East of line.
	Thence, descend,
40.00	Set a sandstone, 14x9x6 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 alongside.
53.00	Line follows, flat, rock, and gravel spur, 100 ft. high, course N. and S. descends North.
68.00	Leave gravel spur and descend, to valey, course S.E.
80.00	Set a sandstone, 22x14x3 ins, 15 ins. in the ground, for cor. to secs. 27. 28.

R. 57 W. Continued.

Chas	33. and 34. marked with 1 notch on S. and 3 notches on E. edges dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound, of earth, 2 ft. high, 4½ ft. base, alongside.
	Land, — on mountain. 4th rate.
	No timber.
	68 chs. of line runs over mountainous land.
	East on a random line bet. secs. 27. and 34.
	Va. 15° 40' E.
	Over valey, course S.E.
40.00	Set temporary ¼ sec. cor.
65.00	Leave valey, course S.E. and ascend side of mountain. to
[illegible]	~~Top of mountain [illegible] above valey course N. and S.~~
	~~Thence descend.~~
80.36	Intersect N. and S. line, 20 lks. N. of cor. to secs. 26. 27. 34. and 35.

Subdivisions. T. 32 N.

Chas	
	Thence I run,
	N 89° 51' W. on a true line bet. secs. 27. and 34. with same va.
40. 18	Set a sandstone, 14x10x4 ins, 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80. 36.	The cor. to secs. 27. 28. 33. and 34. Land, in valey, 2nd rate, on mountain 4th rate. No timber. 15. chs. of line runs over mountainous land.
	North bet. secs. 27. and 28. Va. 15° 40' E. Over rolling valey.
40. 00	Set a sandstone, 15x10x3½ ins, 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face, dug pits, 18x18x12 ins, N.

R. 57 W. Continued.

Chas	
	and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
55. 00	Leave valey, at foot of mountain course SE. and ascend, mountain, 250 ft. high.
80. 00	Set a sandstone, 22x16x3 ins, 15 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, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, in valey, gently rolling 2nd rate, on mountain, 4th rate, and stony. No timber. 25. chs. of line, runs over mountainous land.

Subdivisions. T. 32 N.

Chas	
	East on a random line bet. secs. 22. and 27. Va. 15° 40' E.
	Over broken, and mountainous prairie.
20.00	Top of mountain, 250 ft. high, course, SE. thence, descend side of mountain, E.
40.00	Set temporary ¼ sec. cor.
42.00	Leave mountain, Enter, valey, course SE.
47.00	Leave valey, and ascend, mountain, 150 ft. high. course SE.
71.00	Top of table land, course N. and S.
80.08	Intersect, N. and S. line, 14 lks S. of cor. to secs. 22. 23. 26. and 27. Thence Orma, S. 89° 54' W. on a true line bet. secs. 22. and, 27. with, same va.
40.04	Set a sandstone, 16x12x4 ins, 11 ins. in the ground, for, ¼ sec. cor. marked, ¼ and N. face. dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft.

R. 57 W. Continued.

Chas	
	high, 3½ ft. base, along side.
80.08	The cor. to secs. 21, 22, 27. and 28. Land, — on mountain, stony, and sandy. Valey, hard, black sand, 3rd rate.
	No timber.
	Whole line over mountainous land.

#

	North bet. secs. 21. and 22. Va. 15° 40' E.
	Ascend spur of mountain.
9.00	Top of spur of mountain, 100 ft. high, course E. and W. Thence descend, to
30.00	Grassy, valey, course SE. 150 ft below hills
40.00	Set a sandstone, 18x8x4 ins, 12 ins, in the ground, for ¼ sec. cor. marked ¼ and W. face. dug pits, 18x18x12 N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base along side. Thence, ascend, over high, mountainous peaks. along W slope of mountain

Subdivisions. T. 32 N.

Chas	
55.00	rocky ridge course E. and W. 150 ft. above valey; Thence descend.
80.00	Head of valey 2 chs. wide, 175 ft. below top of spur,
	Set a sandstone, 18x12x4 ins, 12 ins, in the ground, for cor. to secs. 15. 16. 21. and 22. marked with 3 notches on S. and E. edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.
	Soil — an mountain, sand, and stone, 4th rate.
	No timber.
	Whole line runs over mountainous land.

East on a random line, bet. secs. 15. and 22.

Va. 15° 40' E.

Over rolling, and broken spurs.

1.00	commence to ascend, side of mountain.

R. 57 W. Continued.

Chas	
20.00	Top of stony ridge 175 ft. above valey, course, N. and S.
	Thence descend.
39.80	Canon, 40 ft deep, 150 lks. wide, steep rocky sides, course S E.
40.00	Set temporary ¼ sec. cor.
41.30	Leave canon, and ascend, rough, and broken peaks.
79.84	Intersect N. and S. line, 31. lks. S. of cor. to secs. 14. 15. 22. and 23.
	Thence I run,
	S 89° 47' W. on a true line bet. secs. 15. and 22. with same va.
39.92	Pain for ¼ sec. cor. falls in canon, therefore set a witness corne, 6 lks. W. of true point,
	Set a sandstone, 20x10x3 ins, 15 ins. in the ground, for witness cor. to ¼ sec. cor. marked, ¼ WC. on N. face. dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
79.84	The cor. to secs. 15. 16. 21. and 22.

Subdivisions. T. 32 N.

Chas	
	Land,- rolling and broken mountain spurs.
	Soil,- 3rd and 4th rate.
	No timber.
	Whole line runs over mountainous land.

	North bet. sec. 15, and 16. Va. 15° 40' E.
	Over broken rocks, from 150, to 200 ft. high.
2.00	ascend E. spurs and ridge,
13.00	top of barren rocky ridge, 200 ft. above valley, course E. and W. Thence descend.
34.00	Enter grassy valley, course W.
40.00	Set a sandstone, 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face. dug pits, 18 x 18 x 12 ins., N. and S. of stone, 6½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside

R. 57 W. Continued.

Chas	
45.00	Leave valley and ascend, side of mountain,
52.00	top of stony ridge, course E. and W. 80 ft above valley.
64.00	rocky ridge, 90 ft. above valley, course NE. and SW. Thence descend.
79.70	Wood road, course NE. and SW.
80.00	Set a sandstone, 30 x 14 x 6 ins 20 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, 6½ ft. dist, and raised a mound of earth, and No. 4 2 ft. high, 4½ ft. base, alongside. Cor. stands in head of valley, course SW.
	Land,- broken rocky peaks.
	Soil,- 4th rate.
	No timber.
	Whole line runs over mountainous land,

Subdivisions T. 32 N.

Chas	East on a random line bet. secs. 10, and 15. Va. 15° 40' E.
	Ascend over rocky spur,
0.10	Wood road, course NE. and SW.
16.00	Top of rocky ridge, course NW. and SE. 60 ft. above valley,
	Spring, descend,
24.00	Old stage road, course N 70° W.
30.00	Enter, valley, course NW. and SE.
40.00	Set temporary ¼ sec. cor.,
53.00	Canon, 80 ft. deep, 2 chs. wide, course NE.
79.00	Old Stage road, course W. and E.
80.42	Intersect W. and E. line, 11 lks. N. of cor. to secs. 10. 11. 14. and 15.
	Three Cruns,
	N. 89° 30' W. on a true line bet. secs. 10. and 15., with same va.
40.21	Set a sandstone, 16 x 14 x 8 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face, drg. pits, 18 x 18 x 2 ins. E. and W. of stone, 3½ ft. dist., and raised a mound of earth, 1½ ft. high,

R. 57 W. Continued.

Chas	3½ ft. base, along side.
80.42	The cor. to secs. 9. 10. 15. and 16.
	Land, in valley, 2nd rate,
	on stony ridge, 4th rate, and was thickly
	No timber.
	30 chs. of line run over mountainous land.

North, bet. secs. 9. and 10. Va. 15° 40' E.

	Ascend over broken, rocky spurs,
3.00	Top of barren, rocky, spur, course, E. and W. 500 ft. high. Descend
8.00	Old stage road to Cheyenne, course, E. and W.
10.00	Ascend a spur of mountain, 100 ft. high, course, E. and W.
24.00	Descend, mountain side.
40.00	Set a sandstone, 18 x 10 x 8 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, drg. pits, 18 x 8 x 2 ins., W. and S. of stone, 3½ ft. dist. and raised a mound of earth, 1½ ft.

Subdivisions. T. 32 N.

Chas	
	high, 3½ ft. base, along side.
42.00	Enter valey, Course E. and N.
44.00	Canon, 3½ ft. deep, course S.E.
	~~Thence descend.~~
50.00	Leave valey,
60.00	Top of spur, 140 ft. high, course E.
	and N. thence descend,
70.00	Foot of spur, and ascend, to
80.00	table land, 250 ft. high,
	course E. and N.
	Set a sandstone, 17 x 8 x 7 ins, 12 ins. in
	the ground, for cor. to secs. 3. 4. 9.
	and 10. marked, with 5 notches and,
	and 3 notches on E. edge in dug pits,
	18 x 18 x 12 ins, in each sec. 5½ ft. dist.
	and raised a mound of earth 2 ft.
	high, 4½ ft. base, along side.
	Land - high, broken mountainous spurs.
	Soil - 4th rate, and worthless.
	No timber.
	Whole line runs over mountainous
	land.

R. 5 W. Continued.

Chas	
	East on a random line bet.
	secs. 3. and 10.
	Va. 15° 40' E.
	Descend over high rolling table land.
40.00	Set temporary ¼ sec. cor.
64.00	Enter valey, course N. and S.,
19.94	Intersect N. and S. line, 45 lks. S.
	of cor. to secs. 2. 3. 10. and 11.
	Thence E. on,
	S 89° 41' W. on a true line bet. secs.
	3. and 10. with same va.
39.97	Set a sandstone, 20 x 8 x 14 ins, 15 ins. in
	the ground, for ¼ sec. cor. marked,
	¼ on W. f. sd. 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, along side.
79.94	The cor. to secs. 3. 4. 9. and 10.
	Land - high, and rolling.
	Soil - 2nd, and 3rd rate.
	No timber.
	Line runs 64 chs over mountainous
	land

Subdivisions. T. 32 N.

Chas	North on a true line bet secs. 3. and 4. Va. 15° 40' E.
	Over table land, 250 ft of un-
25.00	valley Leave table land, course E and W. Thence descend, over broken hills and barrow, mountain ridges. course S.E.
40.00	Set a sandstone, 17X10X6 ins, 12 ins. in the ground, for 1/4 sec. cor. marked, 1/4 on W. face, dug pits, 18X18X12 ins, E. and W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside. Cor. stands on side of spur, course N.E.
65.00	Descend North.
80.32	Intersect, 8th standard, at a point, 16.24 chs. W. of standard 1/4 sec. cor. on S. boundary of Sec. 35. T 33 N. R 57 W. which is sandstone, 16X10X5 ins, 11 ins. in the ground, marked, 1/4 S.C. on N face, with mound of rock, alongside. At which point, I set a sandstone, 17X10X4 ins, 12 ins.

R. 57 W. Continued.

	in the ground, for closing cor. to secs. 3. and 4, marked, CC. with 3 notches on E. and W. edges, dug pits, 18X18X12 ins, S. E. and W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, alongside. Soil - sand, and gravel - 4th rate. No timber. Whole line runs over mountainous land. 55.32 Chs. Mts. 25.00 Level

July 19th 1883

Subdivisions. T. 32 N.

Chas	From the cor. to secs 4. 5. 32. and 33, on the South boundary of township,
	Trun,
	North bet. secs. 32. and 33.
	Va. 15° 40' E.
	Over high rocky mountain peaks. 250 ft. high,
40.00	Set a sandstone, 20x12x15 ins, 14 ins in the ground, for ¼ sec. cor. marked ¼ on W. face, and raised a mound of rock, along side. Ascend,
55.00	Top of spur, course N E and S W. Descend 200 ft. to
72.00	Enter valey, course N E. and S W.
80.00	Set a sandstone, 20x18x14 ins, 14 ins. in the ground, for cor. to secs 28. 29. 32. and 33. marked with, 1 notch on S. and 4 notches on E edges, dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high 4½ ft. base, along side. Land, - broken mountain peaks, of sand, and rock, 4th rate.

R. 57 W. Continued.

Chas	No timber. 72 Chs. of line runs over mountainous land.
	East on a random line bet. secs. 28. and 33.
	Va. 15° 40' E.
	Over broken rocky spurs.
9.00	Leave valey, Ascend along N. slope of mountain.
40.00	Set temporary ¼ sec. cor. ~~Thence descend,~~
52.00	Rocky spur, course N. and S. 100 ft. high, Descend,
64.00	Enter rolling valey course N W and S E.
79.54	Intersect N. and S. line, 31 lks. S. of cor. to secs. 27. 28. 33. and 34. Thence Trun,
	S 89° 47' W. on a true line, bet secs. 28. and 33, with same va.
39.77	Set a sandstone, 14x12x4 ins, 10 ins. in the ground, for ¼ sec. cor. marked,

Subdivisions. T. 32 N.,

Chas	¼ cor. W. face, dug pits, 18×18×12 ins., E. and W. stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.54	The cors. to secs. 28, 29, 32, and 33. Land,- broken, mountainous spurs. Soil,- 3rd,- and 11th rate. No timber. 55 chs. of line runs over mountainous land;

North bet. secs. 28. and 29.
Va. 15° 40' E.
Over rolling and broken valley

17.00	Old wood road, course W. and E.
40.00	Set a sandstone, 18×10×4 ins., 12 ins. in the ground, for ¼ sec. cor., marked ¼ cor. W. face, dug pits, 18×18×12 ins., and E. & stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80.00	Set a sandstone, 16×10×3 ins., 11 ins.

R. 5 W. Continued.

Chas	in the ground for cor. to secs. 20, 21, 28, and 29, marked with 2 notches on E. and 4 notches on E. edge, dug pits, 18×18×12 ins., in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land,- rolling and broken. Soil,- 2nd and 3rd rate. No timber.

East on a random line bet. secs. 21, and 28.
Va. 15° 40' E.
Over rolling, and broken valley.

18.00	Passed road, course W. and S.
	Thence ascend over broken spurs.
40.00	Set temporary ¼ sec. cor.
60.00	Top of broken rocky spur, 180 ft. above valley, course W. and S. Thence descend.
79.30	Intersect W. and E. line, 22 lks.

Subdivisions. T. 32 N.

Chas	
	N. of cor. to secs. 21, 22, 27, and 28. Thence I run,
	N 89° 51' W. on a true line bet secs. 21. and 28. with same va.
39.65	Set a sandstone, 25 x 10 x 6 ins, 17 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, dug pits, 18 x 16 x 12 ins, E. and W. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside,
79.30	The cor. to secs. 20, 21, 28, and 29. Land, in valey, 2nd rate, Balance, sand, and rock 4th rate. No timber.

X

North bet. secs. 20. and 21.
Va. 15° 40' E.
Over rolling, and broken valey.

40.00	Set a sandstone, 12 x 9 x 7 ins, 8 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits, 18 x 18 x 12 ins, N. and S. of stone, 5½ ft. dist, and raised a

R. 57 W. Continued.

Chas	
	mound of earth, 1½ ft. high, 3½ ft. base, alongside,
80.00	Set a sandstone, 17 x 10 x 6 ins, 12 ins. in the ground, for cor. to secs. 16, 17, 20, and 21, marked with 3 notches on S. and, 4 notches on E. edges, dug pits, 18 x 18 x 12 ins, in each sec. 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, rolling, and broken. Soil, 2nd, and 3rd rate. No timber.

~~East on a random line bet.~~ secs. 16. and 21.
Va. 15° 40' E.
Over gently rolling valey.

35.00	Old wood road, ~~runs~~ N. and S. W.
40.00	Set temporary ¼ sec. cor.
62.00	bare rocks, 20 ft. high.
79.64	Intersect, N. and S. line, 40 lks. S. of cor. to secs. 15, 16, 21, and 22. Thence I run,

Subdivisions. T. 32 N.

Chos	S 89° 45' W. on a true line bet. secs. 16. and 21. with same va.
39.82	Set a sandstone, 14 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. E. and W. of stone, 5 ½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.64	Sec. cor. to secs. 16, 17, 20, and 21. Land - gently rolling. Soil, 1st and 2nd rate, No timber.

North bet secs. 16. and 17.
Va. 15° 40' E.
Over gently rolling valley.

10.00	Canon, 2 chs. wide, 20 ft. deep, with rocky sides, course West.
40.00	Set a sandstone, 17 x 12 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. W. and S. of stone, 5 ½ ft. dist. and,

R. 57 W. Continued.

Mas	raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
19.00	Rocky canon, 1 ch. wide, 20 ft. deep, course S. W.
63.00	Cheyenne Stage road, course N. and S.
80.00	Set a sandstone, 10 x 8 x 5 ins. 12 ins. in the ground, for cor. to secs. 8. 9. 16. and 17. marked, with 4 notches on E. and E. edges, dug pits, 18 x 18 x 12 ins. in each sec. 5 ½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land - gently rolling, and broken, Soil - 2nd rate, No timber.

East on a random line bet. secs. 9. and 16.
Va. 15° 40' E.

16.00	Leave valley, and ascend, along side, of mountain spur, 120 ft. high
39.40	Old stage road, course N. and S.

Subdivisions. T. 32 N. R. 57 W. Continued.

Chas	
	~~road~~ runs in gap, between mountain spurs.
40.00	Set temporary ¼ sec. cor.
54.00	Top of spur, thence, descend,
65.00	Enter valey, course S.W.
79.90	Intersect U. and S. line, 50 lks. S. of cor. to secs. 9. 10. 15. and 16. Thence Irrw. S. 89° 39' W. on a true line bet. secs. 9. and 16. with same va.
39.95	Set a sandstone, 17x10x3 ins, 12 ins in the ground, for ¼ sec. cor. marked, ¼ on U. face. dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.90	The cor. to secs. 8. 9. 16. and 17. Land on mountain spur, sand, and rock, 4th rate, valey, 2nd rate, No timber. 49 chs. of line, runs over mountainous land,

Chas	
	North, bet. secs. 8. and 9. Va. 15° 40' E. Over gently rolling valey.
40.00	Set a sandstone, 14x12x3 ins, 10 ins, in the ground, for ¼ sec. cor. marked, ¼ on W. face. dug pits, 18x18x12 ins, U. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
70.00	Leave valey, and ascend, broken, side, of mountain,
76.00	Top of rocky ridge, 160 ft. above valey, Course E. and W. thence descend,
80.00	Set a sandstone, 26x18x6 ins, 18 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, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land - in valey 1st rate, black soil, balance, broken, and worthless, No timber. 10 chs. of line runs over mountainous land.

Subdivisions. T. 33 N.

Chas	East on a random line bet. secs 4. and 9. Va. 15° 40' E.
	Over broken and rocky peaks,
14.00	Bare perpendicular rock, 25 ft. high, 60 ft. base, stands 10 lks. S. of line.
40.00	Set temporary ¼ sec. cor.
	Ascend,
48.00	Rocky point, 180 ft. above valley. Thence descend,
79.56	Intersect N. and S. line, 37 lks. W. of cor. to secs. 3. 4. 9. and 10. Thence run,
	N 89° 48' W. on a true line bet. secs. 4. and 9. with same va.
39.78	Set a sandstone, 14 x 9 x 5 ins., 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face, drug pits, 15 x 18 & 12 ins. E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.56	The cor. to secs. 4. 3. 8. and 9. Land - broken, and 4th rate. No timber. Whole line runs over mountainous land.

R 5 7 W. Continued.

Chas	North on a true line bet. secs 4. and 5. Va. 15° 40' E.
	Descend, over broken side of mountain, 160 ft. high.
40.00	Set a sandstone, 16 x 4 x 3 ins. - 11 ins. in the ground, for ¼ sec. cor. marked ¼ 4. on W. face, drug pits, 18 x 18 x 12 ins. W. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
	and descend.
52.00	Enter, gently rolling valley, course E. and W.
79.72	Intersect 8th Standard, at a point, 13.95 chs. W. of standard ¼ sec. cor. on S. boundary of sec. 34, T 33 N. R 5 7 W. which is, a mound of earth, 5 ins. high, 4 ft. base, with, pits, 18 x 18 x 4 ins. E. and W. of mound, 5½ ft. dist. in E. pit a post, 2 ft. long, 2 ins. square, marked ¼ S. 8C. on W face. At which point, I set a sandstone, 22 x 10 x 3 ins. 15 ins. in the ground, for closing cor. to secs. 4. and 5. marked,

Subdivisions. T. 32 N.

CC. with 4 notches on E. and 2 notches on W. edges.
Sand, in valey, gently rolling. sandy, and 2nd rate,
on Mountain 3rd, and 4th rate,
No timber.
52. chs of line runs over mountainous land.

July 20th. 1883

Tested instrument on line established last night, and found it correct.

X

R. 57 W. Continued.

Chas From the cor. to secs 5, 6, 31. and 32. on the south boundary of township,
Trm.
North bet. secs. 31. and 32.
Va 15° 40' E.
Descend, over rolling ground.

19.00 Old wood road, course NE and SW.

33.00 Canon, 4 chs. wide, 40 ft. deep, course West. Thence, over gently, rolling valey.

40.00 Set a sandstone, 16x12x3 ins, 11 ins in the ground, for ¼ sec. cor. marked, ¼ on W. face dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.

80.00 Set a sandstone, 17x10x3 ins, 12 ins, in the ground, for cor. to secs. 29, 30, 31, and 32., marked, with, 1 notch, on S. and 5 notches, on E. edges dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.

Subdivisions. T. 32 N.

Chas	Land, - gently rolling.
	Soil - 2nd rate.
	No timber.
	East on a random line bet. secs. 29. and 32.
	Va. 15° 40' E.
	Over gently rolling valey.
40.00	Set temporary ¼ sec. cor.
61.50	Old wood road, course N.E. and S.W.
79.60	Intersect N. and S. line, 16 lks. N. of cor. to secs. 28. 29. 32. and 33.
	Thence I run,
	N 89° 53' W. on a true line bet. secs. 29 and 32 with same va.
39.80	Set a sandstone, 20 x 8 x 5 ins, 14 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, along side.
79.60	The cor. to secs. 29. 30. 31. and 32.

R. 57 W. Continued.

Chas	Land, - gently rolling.
	Soil - 2nd rate.
	No timber.
	West, on a true line bet. secs. 30. and 31.
	Va. 15° 40' E.
	Over rolling ground,
19.75	Intersect boundary line, bet. Neb. and W. yoming, at a point, 27.73 chs. N. of 118th. M. P. which is a sandstone, buried in mound of earth, 1 ft. high, 5 ft. base, with pits, 36 x 36 x 14 ins, N. and S. of stone, 6 ft. dist.
	At which point, I set a sandstone, 20 x 10 x 3 ins, 14 ins in the ground, for closing cor. to secs. 30. and 31. marked, C.C. with, 5 notches on N. and 1 notch, on S. edges, dug pits, 18 x 18 x 12 ins, N. S. and E. of stone, 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side.

Subdivisions. T. 32 N.

Chas Land - gently rolling.
Soil - 2nd rate.
No timber.

North bet. secs. 29 and 30.
Va. 15° 40' E.
Over rolling and broken valley.

40.00 Set a sandstone, 16 x 11 x 4 ins, 11 ins in the ground, for ¼ sec. cor, marked ¼ on W. face, dug pits, 18 x 18 x 12 ins, N. and S. of stone, 3½ ft. dist, and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.

79.00 Descend to canon, 150 lks. wide, 25 ft. deep, course West.

80.00 Bottom of canon.
Set a sandstone, 16 x 10 x 4 ins, 11 ins. in the ground, for cor. to secs. 19, 20, 29, and 30. marked with 2 notches on E. and 3 notches on E. edges, dug pits, 18 x 18 x 12 ins, in each. sec. 6½ ft. dist, and raised a mound of earth,

R. 5 W. Continued.

Chas 2 ft. high, 4½ ft. base, along side.
Land - rolling and broken.
Soil - 3rd rate.
No timber.

East on a random line bet. secs. 20 and 29.
Va. 15° 40' E.

4.50 Leave canon, Thence over rolling and broken ground.

40.00 Set temporary ¼ sec. cor.

79.66 Intersect N. and S. line 25 lks. W. of cor. to secs. 20, 21, 28, and 29.
Thence Dr.
N. 89° 49' W. on a true line bet. secs. 20 and 29. with same va.

39.88 Set a sandstone, 12 x 8 x 7 ins, 8 ins. in the ground, for ¼ sec. cor, marked ¼ on N. face, dug pits, 18 x 18 x 12 ins. E. and W. of stone, 5½ ft dist and, raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.

Subdivisions. T. 32 N.,

Chas	
79.66	The cor. to secs. 19, 20, 29 and 30. Land—rolling and broken. Soil—3rd and 4th rate, sandy. No timber.
	West, on a true line between secs. 19 and 30. Va. 15° 40' E.
6.00	Leave canon, course W. Thence over rolling and broken ground.
20.80	Intersect boundary line bet. Neb. and Wyoming, at a point 28.46 chs. N. of the 119th M. P., which is, a sandstone, buried in mound of earth 1½ ft. high, 5 ft. base, with pits, 3 6x3 6x12 ins., N. and E. of stone, 6½ ft. dist. At which point, I set a sandstone 16x12x8½ ins., 11 ins. in the ground, for closing cor. to secs. 19 and 30, marked CC. with 4 notches on N. and 2 notches on E. edges. dug

R. 52 W. Continued.

Chas	
	pits, 18x18x12 ins., N. E. and E. of stone, 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side. Land—rolling and broken. Soil,—sandy—3rd rate. No timber.
	North bet. secs. 19 and 20. Va. 15° 40' E.
.80	Leave canon, Thence over rolling ground.
10.00	Canon, 3 chs. wide, 40 ft. deep, course N. Thence over rough, broken ground, and rocky ridges, along E. side of Canon, 30 ft. dist. 3 chs. wide, which is about 4 chs. W. of line, course South.
40.00	Set a sandstone, 26x16x3½ ins., in mound of rock, 1½ ft. high, 8½ ft. base, for ¼ sec. cor. marked ¼ on W. face. Cor. stands on

Subdivisions T. 32 N. R. 57 W. Continued.

Chas	
	barren rocky ledges.
70.00	Leave broken ridges, and enter rolling prairie.
80.00	Set a sandstone, 12x8x6 ins, 8 ins. in the ground, for cor. to secs. 17, 18, 19, and 20, marked with 3 notches on S. and 3 notches on E. edges; dug pits, 18x18x12 ins. in each; sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side Land, broken, and worthless, along canon, balance, 3rd rate, No timber.

East on a random line bet. secs. 17. and 20.

Va. 15° 40' E.

	Descend over gently rolling prairie.
10.00	Set temporary ¼ sec. cor.
62.00	Rocky canon, 3 chs. wide, 40 ft. deep, course South. Thence over gently rolling valley.

Chas	
80.18	Intersect W. and S. line, at cor. to secs. 16. 17. 20. and 21. Thence N. on a true line bet. secs. 17. and 20. with same va.
110.09	Set a sandstone, 20x12x2½ ins. 14 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face; dug pits, 18x18x12 ins. E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, along side.
80.18	To cor. to secs. 17. 18. 19. and 20. Land, gently rolling. Soil, 2nd. and 3rd. rate. No timber.

Subdivisions. T. 32 N.

Chas	
	West on a true line bet. secs. 18. and 19. Va. 15° 40' E.
	Over rolling, and broken ground.
0.50	Old Stage road, course NE and SW.
22.00	Intersect boundary line, bet. Neb. and Wyoming, at a point 28.77 chs. N. of the 120th M.P. which is a sandstone, buried in mound of earth, 10 ins. high, 4 ft. base, with Pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. At which point, I set a sandstone, 24x12x4 ins, 16 ins, in the ground, for closing cor. to secs. 18. and 19. marked, CC. NEB 5 Mi. 22 CH. on E. and WYO. on W. faces, with, 3 notches, on N. and S. Edges, dug pits, 18x18x12 ins, N. S. and E. of stone, 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side. Land - rolling and broken. Soil - 3rd rate. No timber.

R. 57 W. Continued.

Chas	
	North bet. secs. 17 and 18. Va. 15° 40' E.
00.70	Old Stage road, course NE and SW. Thence over rolling prairie.
40.00	Set a sandstone, 18x10x4 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face. dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base along side.
80.00	Set a sandstone, 12x8x7 ins, 8 ins, in the ground, for cor. to secs. 7. 8. 17. and 18. marked, with, 4 notches on S. and 5 notches on E. edges. dug pits, 18x18x12 ins, in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, along side. Land - high, gently rolling. Soil - good, 2nd rate; sandy. No timber.

Subdivisions, T. 32 N.

Chas	
	East on a random line, bet. secs. 8. and 17.
	Va. 15° 40' E.
	Descend over rolling prairie.
40.00	Set temporary ¼ sec. cor.
59.00	Broken Canon, 2 chs. wide, 25 ft. deep, course S. 15° E.
79.94	Intersect N. and S. line, 16 lks. N. of cor. to secs. 8. 9. 16. and 17.
	Thence I run,
	N. 89° 53' W. on a true line bet. secs. 8. and 17. with same va.
39.97	Set a sandstone 14x10x4 ins, 10 ins, in the ground, for ¼ sec. cor. marked, ¼ on N. face. dug pits, 18x18x12 ins, E. and W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.94	The cor. to secs. 7. 8. 17. and 18.
	Land, - gently rolling.
	Soil, - 2nd rate.
	No timber.

R. 57 W. Continued.

Chas	
	West on a true line bet. secs. 7. and 18.
	Va. 15° 40' E.
	Over rolling ground.
22.10	Intersect boundary line bet. Neb. and Wyoming, at a point, 28.05 chs. N. of the 121st M.P. which is a sandstone, in mound of earth, 14 ins high, 5 ft. base, with pits, 36x36x12 ins, N. and S. of stone, 6 ft. dist. at which point I set a sandstone 20x14x6 ins, 14 ins in the ground, for closing cor. to secs. 7. and 18. marked, CC. with, 2 notches on N. and 4 notches on S. edges. dug pits, 18x18x12 ins, N. S. and E. of stone, 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.
	Land, - rolling.
	Soil, - 2nd rate.
	No timber.
	July 21st 1883

Subdivisions, T 32 N.

Chas	
	North bet secs. 7. and 8. Va. 15° 40' E.
	Over high rolling prairie.
4.00	Set a sandstone, 14 x 8 x 8 ins, 10 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, drg 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, along side.
80.00	Set a sandstone, 22 x 12 x 5 ins, 15 ins. in the ground, for cor. to secs. 5. 6. 7. and 8, marked, with 5 notches on S. and E. edges, drg pits, 18 x 18 x 12 ins, in each, 5½ ft. dist, and raised a mound of earth, 2 ft. high, 4½ ft. base, along side.
	Land - high, and rolling.
	Soil - 2nd rate.
	No timber.

R 5 W. Continued.

Chas	
	East on a random line bet. secs. 5. and 8. Va. 15° 40' E.
	Descend over rolling and broken ground.
20.00	Rock 40 ft. high, 2 ch. base, 40 lks. N. of line.
34.00	Enter valley, course S E.
40.00	Set temporary ¼ sec. cor. B.T. and
44.00	Leave valley, and ascend broken spur,
68.00	top of broken rocky ridge, 200 ft. high, course N W. and S E.
75.00	Descend, from rocky ridge,
79.84	Intersect W. and E. line, 18 lks. S. of cor. to secs. 4, 5, 8, and 9.
	Thence I run,
	S. 89° 52' W. on a true line bet. secs. 5. and 8. with same va.
39.93	Set a sandstone, 25 x 22 x 3 ins, 16 ins. in the ground, for ¼ sec. cor. marked, ¼ on N. face, drg 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, along side.

Subdivisions, T. 32 N.

Chas	
79.86	The cor. to secs. 5. 6. 7. and 8. Land, rolling, and broken. Soil, 3rd, and 4th, rate. No timber. 35.86 chs. of line, runs over mountainous land.
	West on a true line bet. secs. 6. and 7. Va. 15° 40' E. Over rolling ground.
22.24	Intersect boundary line, bet. Neb. and Wyoming, at a point, 27.45 chs. N. of the, 122nd M. P. which is a sandstone in mound of earth, 14 ins high, 5 ft. base, with pits, 36x36x12 ins, N. and S. of stone, 5½ ft. dist. At which point, I set a sandstone, 22x10x4 ins, 15 ins. in the ground, for closing cor. to secs. 6. and 7. marked, CC. with, 1 notch on N. and, 5 notches on S. edges.

R. 57 W. Continued.

Chas	
	dug pits, 18x18x12 ins, N. S. and E. of stone, 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, — rolling, and broken. Soil, — 3rd rate. No timber.
	North on a true line bet. secs. 5. and 6. Va. 15° 40' E. Over rolling, and broken ground.
40.00	Set a sandstone, 18x10x4 ins, 12 ins. in the ground, for ¼ sec. cor. marked, ¼ on W. face. dug pits, 18x18x12 ins, N. and S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.00	Intersect 8th standard, at a point, 16.30 chs. W. of ¼ sec. cor. on the S. boundary of Sec. 33. T 33 N. R 57 W. which is Mound of earth, 8 ins. high, 3 ft. base, with pits, 18x18x6

Subdivisions. T. 32 N.

Chos ins, E. and W. of mound 5½ ft. dist. In East, pit, a post, 2 ft. long 2 ins square, marked, ¼ S. 3 C. on U. face.
At which point, I set a sandstone, 20 x 14 x 3 ins, 14 ins. in the ground, for closing cor. to secs. 5. and 6. marked, cc. 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, alongside.
Land, - rough, and broken,
Soil, - 3rd and 4th rate,
No timber.

July 22nd 1883

Fairfield is wrong again, the old stage station was about one or two rods East of the Meridian in sec 6

R. 57 W. Continued.

General Description

This Township is mostly mountainous and has 3 grades of land 2nd 3rd and worthless. the land in Secs. 5. 8. 17. 20 and 29. may be classed as good 2nd rate lands; the ballance may generaly be classed 3d rate lands, except some narrow mountain valleys, in the N. E. portion. Secs. 1. 2. 3. 11. and 12. are generaly worthless except the table-Land in Sec. 12. and N. E. ¼ Sec. 1. There is some good timber in Secs. 1. 2. 3. and N. part of Sec. 12. There is no permanent settlements in this township there is an old abandoned Stage-Ranch near the ¼ Sec. Cor. on E. side Sec. 1. the old stage or buck-board road runs through this township. This township lays along the line bet Wyoming and Nebraska and the Deputy Surveyor in extending the Exterior boundaries of T. 32. N. R. 60. W. in Wyoming. run and

established a line 32.81 Chs. East of
state line. On S. boundary of this
Tp. I find the closing Cor post set in
mound of stone and I Return it to Survey
General's office of Neb. as an evidence of
this blunder. ~~A~~ A set of ~~clo~~sing Sec. Cor.
has been set along this erroneous line.
Long after these Surveys in Wyoming
had been made the true State boundary
was found and retraced and the old Cors.
were rebuilt and a new Sett of Closing Cors.
were set along the State boundary and
the old ones set in Neb. were not destroyed.
When the 8th standard parallel was
run the Deputy's that run it did
not find the true State line but run
his line 41.95 chs. over into Wyoming and
closed out to a Sec. Cor. plainly Marked
and called it the 123. mile post but failed
to give the marks on the post although
they were plainly to be seen. thens
there is 2. erroneous lines one 32.81 chs. E. of
the true line and the other 41.95 chs. W of
the true line adding the 2. errors puts

Fairfield is crazy again.
The Neb-Wyoming line was retraced
from the N.W. cor monument South to the 123rd
M.P. before the closing corner of the 8th standard
the [illegible] S-[illegible] was found [illegible] [illegible] in [illegible] of marked
[illegible] when [illegible] Wyo Parallel [illegible] [illegible] same line [illegible]

Here stops! All the rest don't belong here in Gen. Descr.

the Erroneous lines 74.76 chs. apart I
found the Most of the erroneous
corners set on this erroneous line
in Neb. in Tps. 31. 32. 33. 34 and 35. and
I destroyed them. I have consumed
10 days time in ferreting out and
destroying this erroneous line and I
ask that an appropriation of
$150.00 be made to me to pay
expences for said work all of
which I am justly entitled to.

Geo. W. Fairfield is an arch liar as
retracements of his surveys in later years
have proven

U.S. Surveyor General's Office
Plattsmouth Nebraska

The foregoing field notes of the subdivisional survey of Tp. 32 N. R 5 W of 6th P M in Nebraska, executed by George W Fairfield U.S. Deputy Surveyor under his Contract No 13. dated September 14. 1882 during the month of July 1883. having been critically examined, the necessary corrections and explanations made, the said field notes and the survey they describe are hereby approved

W. Stephenson
Surveyor General

General Land Office • Original Field Notes

Book Number

734

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.