# General Land Office • Original Field Notes

## Book Number

# 716

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

M. J. Reilly, Deputy Surveyor.

T. 29 North, R. 54 West,

6th Principal Meridian.

# FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 29 N., Range 54 W.,

6th P. Meridian.

BY

M. J. Reilly, Deputy Surveyor.

Under his Contract of Sept. 22, 1881.

Survey Commenced Mar. 13, 1882

Survey Completed Mar. 18, 1882,

*Platted,*

*Copied for Washington,*

*Copied for Register,*

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

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

..... Meridian.

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

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

..... Meridian.

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

..... Meridian.

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

..... Meridian.

Survey made with Burts Patent Improved Solar compass, nearly new, and in first rate order Made by W. & L. E. Gurley of Troy New York, in 1881.

Township 29 North Range 54 West,
(See previous page) 6th Principal Meridian.

A charred stake in mound & pits, with pine stake in E. pit.

Chains From the corner to Sections 35, 36, ~~1 and 2~~ on the South boundary, I run North, between Sections 35 and 36.

Variation 15° 30' East.

Descend

3.00 Cross Running Water Creek, 45 lks. wide, runs S. 30° E. and ascend.

18.00 Top of Ridge, bears E. & W. & descend,

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

67.00 Top of Ridge, bears N. 50° E. & S. 50° W. and descend.

80.00 Set Sand stone, 12 x 10 x 8 ins., 8 ins. in the ground, for Cor. to Secs. 25-26-35-36, marked with 1 notch on S. and E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.



Township 29 N., Range 54 W.
6th P. Meridian.

Chains East, on a random line between Sections 25 and 36.

Variation 16° East.

Ascend gradually

8.00 Top of Ridge, bears N. & S. & descend.

13.00 Cross Ravine, 20 lks. wide, Course S. 10° E. and ascend,

40.00 Set temporary 1/4 Sec. Cor.

48.00 Top of Spur, bears N.W. & S.E. & descend,

61.00 Cross Ravine, 45 lks. wide Course S. 35° E. & ascend,

80.23 Intersect E. B. of Tp., 20 lks. North of cor. to secs. 25-30-31-36 from which corner, I run N. 89° 51' W., on a true line between secs. 25-36.

Va. 16° East.

40.12 Set a Sand stone, 12 x 10 x 8 ins. 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base

80.23 The cor. to secs. 25-26-35-36.

Land mountainous.

Soil 3rd rate

Undergrowth of Bunchgrass.

Township 29 N., Range 54 W., 6th P.M. Meridian.

| Chains | North, between Sections 25 and 26 Variation 16° East. |
|---|---|
| | Ascend |
| 23.00 | Top of Ridge, bears E. & W. & descend, |
| 26.30 | cross Ravine, course S. 60° E. & ascend, |
| 40.00 | Set a Sand Stone, 13x10x8 ins., 9 ins. in the ground, marked 1/4 on W. face, for 1/4 Sec. Cor., dug pits, 18x18x12 ins. E. & W. of Stone 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 51.50 | Top of Spur, bears E. & W., & descend |
| 75.15 | cross Ravine, 30 lks. wide, course S.E. & ascend, |
| 80.00 | Set a Sand Stone, 12x8x6 ins., 8 ins. in the ground, for Cor. to Secs. 23-24-25-26, marked with 2 notches on S. and 1 notch on E. edges, dug pits, 18x18x12 ins. in each Sec., 5½ ft dist., and raised a mound of earth 2 ft. high, 4½ ft. base, |
| | Land mountainous, |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M. Meridian.

| Chains | East, on a random line between Sections 24 and 25. Variation 15° 10' East. |
|---|---|
| | Ascend, |
| 4.00 | Top of Ridge, bears N. & S. & descend, |
| 17.25 | cross low Sag, bears N. 20° E. & S. 20° W., and ascend, |
| 40.00 | Set temporary 1/4 Sec. Cor., |
| 80.07 | Intersect E. B. of Sp., 5 lks. North of Cor. to Secs. 19-24-25-30, from which corner, Trees N. 89° 55' W., on a true line between sections 24-25. Va. 15° ~~25'~~ 10' E. |
| 40.04 | Set a Sand Stone, 12x12x8 ins., 8 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face, and raised a mound of Stone, Pits impracticable. |
| 80.07 | The Cor. to Secs. 23-24-25-26. |
| | Land mountainous, |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass |

Township 29 N., Range 54 W., 6th P. Meridian.

| Chains | North, between Sections 23 and 24. Variation 15°10' East. |
|---|---|
| | Ascend, |
| 8.30 | Top of Ridge, bears E. & W. & descend, |
| 40.00 | Set a Lime Stone, 14x10x8 ins., 10 ins in the ground, for 1/4 Sec. Cor.; marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft high, 3 1/2 ft base, |
| 42.60 | Cross Ravine, 120 lks. wide, Course N. 70° E., and ascend, |
| 71.40 | Cross Wash, 150 lks. wide, Course S. 30° W. |
| 80.00 | Set a Sand Stone, 12x10x6 ins., 8 ins. in the ground, for Cor. to Secs. 13-14-23-24 marked with 3 notches on S. and 1 notch on E. edges, dug pits, 18x18x12 ins. in each Sec. 5 1/2 ft dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. Meridian.

| Chains | East, on a random line between Sections 13 and 24. Variation 15°35' East. |
|---|---|
| | Descend, |
| 1.86 | Cross Wash, 120 lks wide, Course S. & ascend, |
| 29.00 | Top of Ridge, bears N. 20° E. & S. 20° W. and descend, |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 79.75 | Intersect E. B. of Sp.; 33 lks South of Cor. to Secs. 13-18-19-24, from which Cor. Sun S. 89°46' W, on a true line between sections 13-24 15°35' Va. 46° E., |
| 39.88 | Set a Sand Stone 13x10x6 ins. 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins. N. & S. of Stone 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high 3 1/2 ft. base, |
| 79.75 | The Cor. to Secs. 13-14-23-24, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P.M. Meridian.

| Chains | North, between Sections 13 and 14. Variation 15° 35' East. |
|---|---|
| | Over Prairie land, |
| 40.00 | Set a Sand stone, 14x11x8 ins. 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins. E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 72.20 | Cross Ravine, 40 lks. wide, course East and ascend, |
| 80.00 | Set a Sand stone, 12x12x9 ins., 8 ins. in the ground, for Cor. to Secs. 13-14-11-12, 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 2nd and 3rd rate, |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M. Meridian.

| Chains | East, on a random line between Sections 12 and 13. Variation 15° 30' East. |
|---|---|
| 5.20 | Cross Ravine 40 lks. wide, course S. 30 E. |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 52.14 | Cross Ravine, 30 lks. wide, course S. |
| 80.25 | Intersect E. B. of Sh., 9 lks. South of Cor. to Secs. 7-12-13-18, from which Cor., Ozm S. 89° 56' W., on a true line between sections 12-13, Va. 15° 30' E. |
| 40.13 | Set a Sand stone, 10x8x6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 80.25 | The Cor. to Secs. 11-12-13-14, |
| | Land rolling. |
| | Soil 2nd and 3rd rate, |
| | Vegetation, Bunchgrass. |
| | Mar. 13, 1882. |

Township 29 N., Range 54 W., 6th P.M. Meridian.

| Chains | North, between Sections 11 and 12. Variation 15° 30' East. |
|---|---|
| 24.20 | Cross Ravine, 20lks. wide, course E. |
| 40.00 | Set a Sand, 13x10x8 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 74.20 | Cross Ravine, 14lks. wide, course S.10 E. |
| 80.00 | Set a Sand Stone, 12x10x9 ins. 8 ins. in the ground, for Cor. to Secs. 1-2-11-12, marked with 5 notches on S. and 1 notch on E. edges, dug pits, 18x18x12 ins. in each Sec., 5¼ ft. dist., and raised a mound of earth, 2 ft. high, 4½ ft. base, |
| | Land rolling. |
| | Soil 2nd & 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M. Meridian.

| Chains | East, on a random line between Sections 1 and 12. Variation 16° 09' East. |
|---|---|
| | Over rolling land. |
| 15.54 | Cross Ravine, 30lks. wide, course S.70° E. |
| 19.60 | Cross Wash, 20lks. wide, course South. |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 79.81 | Intersect E.B. of Sp., 20lks. North of Cor. to Secs. 1-6-7-12, from which corner, Sun N.89° 54' W., on a true line between sections 1-12, Va. 16° 09' E. |
| 39.91 | Set a Sand Stone, 10x10x6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. & S. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 79.81 | The Cor. to Secs. 1-2-11-12, |
| | Land rolling. |
| | Soil 2nd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. Meridian.

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

Variation 16°09' East.

| Chains | |
|---|---|
| | Over Prairie land, |
| 10.70 | Cross Ravine, 25lks. wide, course S.60° E. |
| 40.00 | Set temporary ¼ Sec. cor. |
| 79.91 | Intersect North Boundary of Tp., 25lks. E. of corner to sections 1-2-35-36, from which cor., Trun S.11° E., on a true line between sections 1-2, Va. 16°09' E. |
| 39.91 | Set a Sand stone 18x8x7ins., 12ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits 18x18x12ins. E. & W. of stone, 5½ft. dist., and raised a mound of earth, 1½ft. high, 3½ft. base. |
| 79.91 | The cor. to secs. 1-2-11-12, |
| | Land rolling. |
| | Soil 2nd and 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. Meridian.

From cor. to secs. ~~2-3~~ 34-35, a chained stake in mound & pits with one stake in E. pit, Trun

North, between Sections 34 and 35.

Variation 15°18' East.

| Chains | |
|---|---|
| | Over Valley, |
| 6.00 | Across Road, bears E. & W. |
| 40.00 | Set Sand stone, 10x8x6ins., 7ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18x18x12ins. E. & W. of stone, 5½ft. dist. and raised a mound of earth, 1½ft. high, 3½ft. base. |
| 80.00 | Set Sand stone, 9x9x7ins. 6ins. in the ground, for Cor. to Secs. 26-27-34-35, marked with one notch on S. and 2 notches on E. edges, dug pits, 18x18x12ins. in each Sec., 5½ft. dist. Sand raised a mound of earth, 2ft. high, 4½ft. base. |
| | Land level. |
| | Soil 2nd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. M. Meridian.

| Chains | East, on a random line between Sections 26 and 35. Variation 16°12' East. |
|---|---|
| | Over Valley, |
| 12.00 | Leave Valley, bears N.W. & S.E. & ascend, |
| 22.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 39.00 | Cross Ravine, 20 lks. wide, Course S. 20° E. and ascend, |
| 40.00 | Set temporary ¼ sec. cor., |
| 71.00 | Top of Spur, bears N. 25° W. & S. 25° E. and descend, |
| 80.08 | Intersect N. & S. line 6 lks. North of Cor. to Secs. 25-26-35-36, from which corner, Sun N. 89° 57' W., on a true line between sections 26-35, Va. 16° 12' E. |
| 40.04 | Set a Sand stone 14 x 10 x 6 ins. 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base. |
| 80.08 | The corner to sections 26 & 27-34-35. |
| | Land level & mountainous (12 chains) — 68.08 chains. |
| | Soil 2nd & 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M. Meridian.

| Chains | North, between Sections 26 and 27. Variation 16°12' East. |
|---|---|
| | Over Valley, |
| 24.00 | Leave Valley, bears N.W. & S.E. & ascend, |
| 32.00 | Top of Hill, bears N.W. & S.E. & descend, |
| 40.00 | Set a Sand stone, 12 x 8 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits 18 x 18 x 12 ins., E. & W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 41.52 | Cross Ravine, 20 lks. wide, Course S. 70° E. and ascend, |
| 67.00 | Top of Hill, bears N.W. & S.E. & descend, |
| 80.00 | Set a Sand stone, 10 x 10 x 8 ins., 7 ins. in the ground, for Cor. to Secs. 22-23-26-27, marked with 2 notches 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. |
| | Land level and rolling. |
| | Soil 2nd & 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. Meridian.

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

Variation 15° East.

| Chains | |
|---|---|
| | Descend, |
| .78 | cross Ravine, 30 lks. wide, course S.E. and ascend, |
| 19.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 31.00 | cross Ravine, 200 lks. wide, course S.40° E. and ascend, |
| 40.00 | Set temporary 1/4 sec. cor. |
| 44.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 79.88 | Intersect N. & S. line, 14 lks. South of cor. to secs. 23-24-25-26, from which cor., Sun S. 89° 54' W., on a true line between sections 23-26, Va. 15° 00' E, |
| 39.94 | Set a Sand Stone, 14 x 10 x 10 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.88 | The cor. to secs. 22-23-26-27, |
| | Land mountainous. |
| | Soil 3rd rate |
| | Vegetation Bunchgrass. |



Township 29 N., Range 54 W., Meridian.

North, between Sections 22 and 23.

Variation 15° East.

| Chains | |
|---|---|
| | Descend |
| .50 | cross Ravine, 30 lks. wide, course S.E. and ascend, |
| 24.00 | Top of Spur, bears N.W. & S.E. and descend, |
| 35.10 | cross Ravine, 20 lks. wide, course S.E. & ascend, |
| 40.00 | Set a Sand Stone, 12 x 10 x 8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, |
| 54.00 | Top of Spur, bears N.W. & S.E. & descend |
| 63.00 | cross Ravine, 20 lks. wide, course S. 50° E. & ascend, |
| 74.00 | Top of Spur, bears N.W. & S.E. & descend. |
| 80.00 | Set a Sand Stone, 12 x 8 x 6 ins., 8 ins. in the ground, for Cor. to Secs. 14-15-22-23, marked with 3 notches on S. and 2 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base. |
| | Land mountainous. |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. M. Meridian.

| Chains | East, on a random line between Sections 14 and 23. Variation 15° 30' East. |
|---|---|
| | Descend |
| 8.54 | Cross Ravine, 30 lks. wide, course S. 40° E. ascend, |
| 12.50 | Top of Spur, bears N.W. & S.E. & descend, |
| 16.00 | Cross Ravine, 50 lks. wide, course S. 35° E. & ascend, |
| 28.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 33.50 | Cross Ravine, 50 lks. wide, course S. 20° E. & ascend, |
| 38.00 | Top of Spur, bears N. & S. & descend, |
| 46.00 | Set temporary 1/4 sec. cor. |
| 56.13 | Cross Ravine, 8 lks. wide, course S. & ascend, |
| 71.00 | Top of Spur, bears N. 20° W. & S. 20° E. & descend, |
| 79.74 | Intersect N. & S. line, 16 lks. North of Cor. to secs. 13-14-23-24 from which Cor. Sun N. 89° 53' W., on a true line between secs. 14-23. |
| | Va. 15° 30' E. |
| 39.87 | Set a Sand Stone 9 x 9 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. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.74 | The cor. to secs. 14-15-22-23. |
| | Land mountainous. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M. Meridian.

| Chains | North, between Sections 14 and 15. Variation 15° 30' East. |
|---|---|
| | Descend, |
| 10.50 | Cross Ravine, 20 lks. wide, course S. 40° E. & ascend, |
| 29.00 | Top of Ridge, bears N.W. & S.E. & descend, |
| 40.00 | Set a Sand Stone, 10 x 10 x 6 ins. 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 80.00 | Set a Sand Stone, 14 x 10 x 4 ins., 9 ins. in the ground, for Cor. to Secs. 10-11-14-15, marked with 4 notches on S. and 2 notches on E. edge, dug pits, 18 x 18 x 12 ins. in each Set. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base. |
| | Land mountainous. |
| | Soil 2nd & 3rd rate, |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. M. Meridian.

| Chains | East, on a random line between Sections 11 and 14. Variation 16° 15' East. |
|---|---|
| | Ascend, |
| 13.00 | Top of Spur, bears N. & S. & descend, |
| 24.00 | Enter Tableland, |
| 40.00 | Set temporary 1/4 sec. cor. |
| 56.00 | Cross Wash, 40 lks. wide, course S.E. |
| 79.93 | Intersect N. & S. line, 18 lks. South of corner to sections 11-12-13-14, from which cor., Sun S 89° 52' W., on a true line between sections 11-14. Va. 15° 30' E. |
| 39.97 | Set a Sand Stone, 12 x 10 x 4 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. N. & S. of Stone 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.93 | The cor. to secs. 10-11-14-15. |
| | Land mountainous 24 chains, balance Tableland. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |
| | Carefully examined the adjustments of my solar compass today, particularly the latitude & reversing apparatus, and found them correct. |
| | Mar. 14, 1882. |



Township 29 N., Range 54 W., 6th P. M. Meridian.

| Chains | North, between Sections 10 and 11. Variation 16° 15' East. |
|---|---|
| | Descend, |
| 18.50 | Cross Wash, 50 lks. wide, course E. and ascend gradually. |
| 40.00 | Set a Sand Stone, 12 x 9 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 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, 12 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 rolling. |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. M. Meridian.

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

Variation 15°15' East.

| Chains | |
|---|---|
| | Over Prairie, |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 70.13 | Cross Ravine, 20 lks. wide, course S.40° E. and ascend, |
| 80.14 | Intersect N. & S. line, 26 lks. South of Cor. to Secs. 1-2-11-12, from which Cy. Sun S.89°49' W., on a true line between sections 2-11. 15°15' Va. 16°09' E. |
| 40.07 | Set a Sand stone, 12 x 10 x 9 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone 5 1/2 ft. dist. & raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 80.14 | The Cor. to Secs. 2-3-10-11, Land rolling, Soil 3rd rate Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M. Meridian.

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

Variation 15°15' East.

| Chains | |
|---|---|
| | Descend gradually over Prairie, |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 43.00 | Cross Ravine, 50 lks. wide, course S.89° E. and ascend, |
| 49.00 | Top of Ridge, bears E. & W. Descend, |
| 80.16 | Intersect N. B. of Sp., 8 lks. E. of Cor. to Secs. 2-3-34-35, from which Cy. Sun S. 3° E., on a true line between sections 2-3. 15°15' Va. 16°30' E. |
| 40.16 | Set a Sand stone, 10 x 8 x 8 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 80.16 | The Cor. to Secs. 2-3-10-11, Land rolling & mountainous 43 chs. 37.16 chs. Soil 3rd rate Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. Meridian.

From cor. to secs. ~~34~~ 33-34 a charred sight in mound & pits, with Pine Stake in E. pit, I run

North, between Sections 33 and 34.

Variation 15° 24' East.

| Chains | |
|---|---|
| | Ascend gradually. |
| 10.00 | Cross Road, bears E. & W. |
| 30.00 | Enter Hills. |
| 39.00 | Top of Spur, bears E. & W. & descend, |
| 40.00 | Set Sand stone, 9 x 5 x 5 ins., 6 ins, in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 53.00 | Cross Ravine, 30 lks. wide, Course S. 20° E. and ascend, |
| 80.00 | Set Sand stone, 9 x 5 x 5 ins. 6 ins, in the ground, for Cor. to Secs. 27-28-33-34, marked with one 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 rolling 30 chains balance mountainous, |
| | Soil 2nd and 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. Meridian.

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

Variation 16° 15' East.

| Chains | |
|---|---|
| | Ascend |
| 6.00 | Top of Spur, bears N. W. & S. E. & descend, |
| 21.12 | Cross Ravine, 13 lks. wide, Course S. 20° E. and ascend, |
| 40.00 | Set temporary 1/4 Sec. cor., |
| 47.00 | Top of Spur, bears N. 30° W. & S. 30° E. and descend, into Valley |
| 79.77 | Intersect N. & S. line, 17 lks. North of cor. to secs. 26-27-34-35, from which cor., I run N. 89° 53' W., on a true line between secs. 27-34, Va. 16° 15' E. |
| 39.89 | Set a Sand stone, 10 x 9 x 5 ins., 7 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins, N. & S. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.77 | The cor. to secs. 27-28-33-34. |
| | Land mountainous. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P.M. Meridian.

Chains — North, between Sections 27 and 28.

Variation 16°15' East.

Ascend,
9.20 Top of Bluff, bears N.50°W. & S.50°E., and descend,
17.50 Cross Ravine, 20lks. wide, course West and ascend,
19.80 Top of Spur, bears E. & W. & descend,
37.00 Cross Ravine, 30lks. wide, course S.87°W. & ascend.
40.00 Set Sand Stone, 11x8x5 ins., 7ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins. E. & W. of stone, 5½ft. dist., and raised a mound of earth, 1½ft. high, 3½ft. base,
44.40 Top of Spur, bears N.W. & S.E. & descend,
49.48 Cross Ravine, 30lks. wide, course S.86°W. and ascend,
70.65 Top of Spur, bears N.30°W. & S.30°E. & descend,
80.00 Set a Sand stone 10x10x9 ins., 7ins. 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 18x18x12 ins. in each Sec. 5½ft. dist. and raised a mound of earth 2ft. high, 4½ft. base, Land mountainous, Soil 3rd rate. Vegetation, Bunchgrass.



Township 29 N., Range 54 W., 6th P.M. Meridian.

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

Variation 15°30' East.

Descend,
4.30 Cross Ravine, 20lks. wide, course S.60°E., and ascend,
16.00 Top of Spur, bears N.W. & S.E. & descend,
28.00 Cross Ravine, 30lks. wide, course S.30°E. & ascend,
33.40 Top of Spur, bears N. & S. & descend,
40.00 Set temporary 1/4 sec. cor.
80.20 Intersect N. & S. line, 9lks. South of cor. to secs. 22-23-26-27, from which cor. Sun S.89°56'W., on a true line between sections 22-27,
Va. 15°30' E.
40.10 Set a Sand Stone, 11x8x5 ins., 7ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins. N. & S. of stone, 5½ft. dist., and raised a mound of earth, 1½ft. high, 3½ft. base,
80.20 The cor. to secs. 21-22-27-28, Land mountainous, Soil 3rd rate Vegetation, Bunchgrass.

Township 29 N., Range 54 W., 6th P. M., Meridian.

North, between Sections 21 and 22.

Variation 15° 30' East.

| Chains | |
|---|---|
| | Descend |
| 6.00 | Cross Ravine, 30 lks. wide, Course S. 60° E., and ascend, |
| 40.00 | Set a Sand stone, 13 x 9 x 6 ins., 9 ins., in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 58.60 | Top of Spur, bears N.W. & S.E. & descend, |
| 80.00 | Set a Sand stone, 11 x 9 x 8 ins., 7 ins. in the ground, for Cor. to Secs. 15-16-21-22, marked with 3 notches on S. and E. edges, dug pits, 18 x 18 x 12 ins., in each Sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M., Meridian.

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

Variation 15° East.

| Chains | |
|---|---|
| | Descend |
| 10.10 | Cross Ravine, 60 lks. wide, Course S. 25° E., and ascend, |
| 14.00 | Top of Spur, bears N. 35° W. & S. 35° E. and descend, |
| 31.00 | Cross Ravine, 30 lks. wide, Course S. 30° E. & ascend |
| 35.00 | Top of Spur, bears N. 20° W. & S. 20° E. & descend, |
| 40.00 | Set temporary 1/4 sec. cor., |
| 63.00 | Cross Ravine, Course S. 35° E. & ascend, |
| 71.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 80.24 | Intersect N. & S. line, 24 lks. North of cor. to secs. 14-15-22-23, from which cor. Drum, N. 89° 50' W., on a true line between sections 15-22, Va. 15° 80' E., |
| 40.12 | Set a Sand stone, 12 x 8 x 5 ins. 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base |
| 80.24 | The cor. to secs. 15-16-21-22, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P., Meridian.

| Chains | North, between Sections 15 and 16. Variation 15° East. |
|---|---|
| | Ascend, |
| 2.50 | Top of Spur, bears N.10°W. & S.10°E. and descend, |
| 40.00 | Set a Sand Stone, 12×8×6 ins. 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins. E. & W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 43.00 | Cross Ravine, 30 lks. wide, Course S.30°W. and ascend, |
| 59.60 | Top of Spur, bears E. & W. & descend, |
| 70.55 | Cross Road to Robinson, bears N.E. & S.W. |
| 80.00 | Set a Sand Stone, 10×9×5 ins. 7 ins. in the ground, for Cor. to Secs. 9-10-15-16. marked with 4 notches on S. and 3 notches on E. edges, dug pits, 18×18×12 ins. in each Sec. 5½ ft. dist., and raised a mound of earth, 2 ft. high 4½ ft. base, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P., Meridian.

| Chanis | East, on a random line between Sections 10 and 15. Variation 15° East. |
|---|---|
| | Descend, |
| 6.80 | Cross Ravine, 30 lks. wide, Course S.40°W. |
| 14.00 | Cross Road, bears N.30°E. & S.30°W. |
| 40.00 | Set temporary 1/4 Sec. cor. |
| 68.00 | Cross Ravine, 20 lks. wide, Course S.20°E. |
| 79.83 | Intersect N. & S. line, 29 lks. South of cor. to secs. 10-11-14-15, from which cor., I run S.89°48'W., on a true line between sections 10-15. Va. ~~16°15'~~ 5°00' E. |
| 39.92 | Set a Sand Stone, 12×8×6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins. N. & S. of stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 79.83 | The cor. to secs. 9-10-15-16. |
| | Land rolling, |
| | Soil 2nd & 3rd rate. |
| | Vegetation, Bunchgrass. |
| | Mar. 15, 1882. |

Township 29 N., Range 54 W., 6th P. M. Meridian.

North, between Sections 9 and 10.

Variation 15° East.

| Chains | |
|---|---|
| | Descend, |
| 20.00 | Cross Wash, 20 lks. wide, course W. & ascend, |
| 40.00 | Set a Sand Stone, 12 x 6 x 5 ins. 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins, E. & W. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 62.00 | Top of Spur, bears E. & W. & descend, |
| 80.00 | Set a Sand Stone, 18 x 7 x 5 ins., 12 ins. in the ground, for Cor. to Secs. 3-4-9-10, marked with 5 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land mountainous. |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M. Meridian.

East, on a random line between Sections 3 and 10.

Variation 16° East.

| Chains | |
|---|---|
| | Ascend, |
| 6.00 | Top of Spur, bears N.W. & S.E. & descend |
| 16.05 | Cross Wash, 30 lks. wide, course N. 20° W. and ascend. |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 68.00 | Cross Road for Robinson, bears N. 60° E. and S. 60° W. |
| 79.70 | Intersect N. & S. line, 15 lks. South of Cor. to Secs. 2-3-10-11, from which corner, Azm S. 89° 54' W., on a true line between sections 3 & 10, Va. 15° 15' East, |
| 39.85 | Set a Sand Stone, 12 x 8 x 6 ins. 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.70 | The Cor. to Secs. 3-4-9-10, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Descend, |
| 3.00 | cross Wash, 12lks. wide, course N.10° E. and ascend, |
| 40.00 | Set temporary 1/4 sec. cor., |
| 44.00 | Top of Spur, bears E. & W. & descend, |
| 66.40 | cross Ravine, 30lks. wide, course S.60° W. and ascend, |
| 80.29 | Intersect N. B. of Sp., 15lks. West of Cor. to Secs. 3-4-33-34, from which corner, Sun, S.6' W. on a true line between sections 3-4. Va. 16° 80' E. |
| 40.29 | Set a Sand stone, 19 x 7 x 5 ins., 14 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5 1/2 ft. dist and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base. |
| 80.29 | The Cor. to Secs. 3-4-9-10, Sand mountainous, Soil 3rd rate. Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. Meridian.

From Cor. to secs. ~~4-5~~ 32-33, a charred stake in mound of pits, with Sun, S. 1/4 stake in C. pit, Sun,

North, between Sections 32 and 33.

Variation 15° 20' East.

| Chains | |
|---|---|
| | Descend gradually, |
| 6.10 | cross Road bears N.70° W. & S.70° E. |
| 40.00 | Set Sand Stone, 14 x 12 x 10 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base. |
| 79.50 | cross Ravine, 30lks. wide, course S.40° E. and ascend. |
| 80.00 | Set Lime Stone, 14 x 12 x 8 ins., 9 ins. in the ground, for Cor. to Secs. 28-29-32-33, marked with one 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 rolling, Soil 2nd rate. Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. Meridian.

| Chains | East, on a random line between Sections 28 and 33. Variation 16°09' East. |
|---|---|
| | Ascend gradually, |
| 17.00 | Top of Ridge, bears N. & S. & descend, |
| 38.50 | Cross Ravine, 60 lks. wide, Course S. 20° W. and ascend, |
| 40.00 | Set temporary 1/4 sec. cor. |
| 48.00 | Top of Spur, bears N. & S. & descend, |
| 62.14 | Cross Ravine, 22 lks. wide, Course S. 25° E. and ascend, |
| 79.71 | Intersect N. & S. line, 24 lks. South of cor. to secs. 27-28-33-34, from which corner, Run S. 89° 50' W., on a true line between secs. 28-33, Va. 16° 09' E. |
| 39.86 | Set a Cement stone, 18×14×10 ins., 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on N. face, dug pits 18×18×12 ins., N. & S. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.71 | The corner to sections 28-29-32-33, |
| | Land mountainous, |
| | Soil 3rd rate. |



Township 29 N., Range 54 W., 6th P. Meridian.

| Chains | North, between Sections 28 and 29. Variation 16°09' East. |
|---|---|
| | Ascend, |
| 40.00 | Set a Sand stone 12×12×10 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins. E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 43.00 | Top of Spur, bears N. 20° W. & S. 20° E. and descend, |
| 48.60 | Cross Ravine, 30 lks. wide, Course S. 50° E. |
| 56.00 | Cross Ravine, 20 lks. wide, Course E. & ascend, |
| 80.00 | Set a Sand stone, 20×18×8 ins., 15 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, 18×18×12 ins. in each Sec. 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land mountainous. |
| | Soil 3rd rate. |

Township 29 N., Range 54 W., 6th P.M., Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Ascend |
| 13.20 | Top of Ridge, bears N. & S. & descend, |
| 29.80 | cross Ravine, 40 lks. wide, course S. & ascend, |
| 35.30 | Top of Spur, bears N. 15° 30' E. & descend, |
| 40.00 | Set temporary 1/4 sec. cor., |
| 49.20 | cross Ravine, 20 lks. wide, course South and ascend gradually, |
| 73.40 | Top of Spur, bears N.W. & S.E. & descend, |
| 79.80 | Intersect N. & S. line, 6 lks. North of cor. to Secs. 21-27-22-28, from which corner, I run N. 89° 57' W., on a true line between sections 21 & 28. Va. ~~15° 30'~~ 16° E. |
| 39.90 | Set a Sand stone 13 x 9 x 4 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face dug pits 18 x 18 x 12 ins., N. & S. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.80 | The cor. to Secs. 20-21-28-29. |
| | Land mountainous. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M., Meridian.

North, between Sections 20 and 21.

Variation 16° East.

| Chains | |
|---|---|
| | Ascend, |
| 32.00 | Top of Spur, bears N. 30° W. & S. 30° E. and descend, |
| 40.00 | Set a Sand Stone 12 x 10 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 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. |
| 44.00 | cross Ravine, 12 lks. wide, course S. 50° W. and ascend, |
| 62.48 | cross Road, bears N.E. & S.W., |
| 80.00 | Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for Cor. to Secs. 16-17-20-21, marked with 3 notches on S. and 4 notches on E. edges, dug pits, 18 x 18 x 12 ins., in each Sec. 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land mountainous. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P., Meridian.

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

Variation 15°15' East.

Descend,
2.00 Cross Ravine, 125 lks. wide, Course S.W. and ascend,
22.45 Cross Road to Fort Robinson, bears N.E. and S.W.
34.50 Top of Spur, bears N. & S. & descend,
40.00 Set temporary 1/4 sec. cor.,
41.00 Cross Ravine, 50 lks. wide, Course S. & ascend.
75.00 Top of Spur, bears N. & S. & descend,
79.96 Intersect N. & S. line, 18 lks. South of cor. to secs., 15-16-21-22, from which cor. Iron S. 89°52' W., on a true line between sections 16-21,
Va. 15°15' E.
39.98 Set a Sand stone, 9 x 9 x 5 ins., 6 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base,
79.96 The cor. to secs. 16-17-20-21,
Land mountainous,
Soil 3rd rate,
Vegetation, Bunchgrass.



Township 29 N., Range 54 W., 6th P., Meridian.

Chains — North, between Sections 16 and 17.

Variation 15°15' East.

Ascend,
12.00 Top of Spur, bears E. & W. & descend,
39.00 Cross Ravine, 250 lks. wide, Course N.W. & ascend,
40.00 Set a Sand stone, 14 x 10 x 8 ins., 9 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base,
50.00 Top of Spur, bears N.W. & S.E. & descend,
55.50 Cross Ravine, 20 lks. wide Course N.W. & ascend,
70.00 Top of Spur, bears N.W. & S.E. & descend,
74.00 Enter Flat, bears N.W. & S.E.
80.00 Set a Sand stone, 12 x 10 x 10 ins., 8 ins. in the ground, for Cor. to Secs. 8-9-16-17, 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 a mound of earth, 2 ft. high, 4 1/2 ft. base,
Land mountainous,
Soil 3rd rate,
Vegetation Bunchgrass.

I carefully examined the adjustments of Mitchell Compass today particularly the latitude and reversing apparatus, and found them correct.
Mar. 16, 1882.

Township 29 N., Range 54 W., 6th P., Meridian.

| Chains | East, on a random line between Sections 9 and 16. Variation 15°15' East. |
|---|---|
| | Over Flat. |
| 30.00 | Leave same, bears N. & S. & ascend, |
| 36.00 | Top of Spur, bears N. & S. & descend, |
| 40.00 | Set temporary 1/4 Sec. cor. |
| 50.00 | Cross Ravine, 20 lks. wide, Course South and ascend, |
| 64.80 | Top of Spur, bears N. & S. & descend, |
| 80.09 | Intersect N. & S. line, 21 lks. North of cor. to secs. 9-10-15-16, from which cor., Trun N. 89°51' W., on a true line between sections 9-16, Va. 15°55' E. |
| 40.05 | Set a Sand stone, 8x8x6 ins., 5 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. & S. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 80.09 | The cor. to secs. 8-9-16-17. |
| | Land mountainous. — 50.09 Chains. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P., Meridian.

| Chains | North, between Sections 8 and 9. Variation 15°15' East. |
|---|---|
| | Over Flat, |
| 25.00 | Cross Wash, 20 lks. wide, Course W. |
| 40.00 | Set a Sand Stone, 12x10x8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high 3 1/2 ft. base, |
| 40.10 | Cross Wash, 8 lks. wide, Course S. 32° W., |
| 64.00 | Cross Wash, 200 lks. wide, in bend Course S.W. and S.E., |
| 80.00 | Set a Sand stone, 14x12x10 ins., 9 ins. in the ground, for Cor. to Secs. 4-5-8-9, marked with 5 notches on S. and 4 notches on E. edges, dug pits, 18x18x12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land level, |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P.M., Meridian.

East, on a random line between Sections 4 and 9.

Variation 16° East.

| Chains | |
|---|---|
| | Over Flat, |
| 6.00 | cross Wash, 20lks. wide, course S.25°W., leave Flat and ascend, |
| 40.00 | Set temporary ¼ sec. cor., |
| 58.00 | Top of Spur, bears N. & S. & descend, |
| 68.40 | cross Wash, 25lks. wide, course N., |
| 79.74 | Intersect N. & S. line, 23lks. North of cor. to secs. 3-4-9-10, from which corner, Drum N.89°50'W., on a true line between secs. 4-9. Va. 16° E. |
| 39.87 | Set a Sand Stone, 8x8x5 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18x18x12 ins. N. & S. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 79.74 | The cor. to secs. 4-5-8-9, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M., Meridian.

North, on a random line between Sections 4 and 5.

Variation 16° East.

| Chains | |
|---|---|
| | Over Flat, |
| 24.00 | Leave same, bears E. & W. & ascend, |
| 40.00 | Set temporary ¼ Sec. Cor., |
| 55.50 | Top of Ridge, bears E. & W. & descend, |
| 80.13 | Intersect N.B. of Sh., 26lks. East of cor. to secs. 4-5-32-33, from which corner, Drum S.11'E., on a true line between sections 4-5. Va. 16° E. |
| 40.13 | Set a Sand Stone, 8x8x4 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18x18x12 ins. E. & W. of Stone, 5½ ft. dist., and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 80.13 | The cor. to secs. 4-5-8-9, |
| | Land level & mountainous (24.00 chs. Balance) |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., (6th P.) Meridian.

From cor. to secs. ~~5-6~~ 31-32 a charred stake in mound & pits, with Pine stake in E. pit, Trun,

North, between Sections 31 and 32.

Variation 15° 30' East.

| Chains | |
|---|---|
| | Descend gradually, |
| 9.06 | Cross Ravine, 30 lks. wide, Course S. 30° E. |
| 20.23 | Cross Wash, 60 lks. wide, Course S. 20° E. |
| 40.00 | Set Sand Stone, 12 x 8 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of Stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base. |
| 52.00 | Cross Ravine, 30 lks. wide, Course S. 10° E. |
| 80.00 | Set Sand stone, 12 x 9 x 8 ins., 8 ins. in the ground, for Cor. to Secs. 29-30-31-32, marked with one 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 rolling. |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., (6th P.) Meridian.

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

Variation 16° 30' East.

| Chains | |
|---|---|
| | Ascend, |
| 4.52 | Cross Road to Fort Robinson, bears N. 20° E. and S. 20° W. |
| 6.50 | Top of Spur, bears N. 20° E. & S. 20° W. and descend, |
| 10.15 | Cross Wash, 30 lks. wide, Course S. 25° W. and ascend, |
| 30.00 | Top of Spur, bears N. E. & S. W. & descend, |
| 40.00 | Set temporary 1/4 sec. cor, |
| 44.77 | Cross Ravine, 11 lks. wide, Course S. 50° W. and ascend, |
| 50.00 | Top of Spur, bears N. E. & S. W. & descend, |
| 53.50 | Cross Ravine, 30 lks. wide, Course S. 10° W. |
| 79.60 | Cross Wash, 30 lks. wide, Course S. 20° E. |
| 80.15 | Intersect N. & S. line, 23 lks. South of cor. to secs. 28-29-32-33, from which cor., Trun S. 89° 50' W., on a true line between sections 29-32, Va. 16° ~~09~~ 30' E. |
| 40.08 | Set a Sand stone 11 x 8 x 6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 12 x 12 ins., N. & S. of Stone, 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, |
| 80.15 | The cor. to sections 29-30-31-32 |
| | Land mountainous. Soil 3rd rate, |
| | Vegetation Bunchgrass. |

Township 29 N., Range 54 W., 6th P. M. Meridian.

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

Variation 16° 30′ East.

| Chains | |
|---|---|
| | Descend, |
| 1.10 | Cross Ravine, 30 lks. wide, course S. 10° E., |
| | and ascend, |
| 12.00 | Top of Spur, bears N. 10° W. & S. 10° E. & descend, |
| 23.00 | Cross Wash, 60 lks. wide, course S. 15° E., |
| | and ascend, |
| 40.00 | Set temporary 1/4 Sec. Cor., |
| 46.00 | Top of Spur, bears N. 30° W. & S. 30° E. |
| | and descend, |
| 53.22 | Cross Ravine, 18 lks. wide, course S. 35° E., |
| 68.78 | Cross Ravine, 20 lks. wide, course S. 28° E. |
| | and ascend, |
| 79.77 | Intersect West Boundary of Tp., 16 lks. |
| | North of Cor. to Secs. 25-30-31-36, from |
| | which Cor. I run N. 89° 53′ E., on a true |
| | line between sections 30-31, |
| | Va. 16° ~~09~~ 30′ E., |
| 39.77 | Set a Sand stone, 10 x 7 x 5 ins., 7 ins. |
| | in the ground, for 1/4 Sec. Cor., marked |
| | 1/4 on W. face, dug pits, 18 x 18 x 12 ins. |
| | N. & S. of stone, 5 1/2 ft. dist, and raised |
| | a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.77 | The Cor. to Secs. 29-30-31-32. |
| | Land mountainous. Soil 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M. Meridian.

North, between Sections 29 and 30.

Variation 16° 30′ East.

| Chains | |
|---|---|
| | Descend, |
| 17.00 | Cross Ravine, 12 lks. wide, course S. 10° W. |
| | and ascend, |
| 26.00 | Top of Spur, bears N. E. & W. & descend, |
| 26.40 | Cross Ravine, 30 lks. wide, course S. 30° W. & ascend, |
| 30.00 | Top of Spur bears N. 20° E. & S. 20° W. & descend, |
| 40.00 | Set a Sand stone, 10 x 8 x 6 ins., 7 ins. in |
| | the ground, for 1/4 Sec. Cor., marked 1/4 |
| | on W. face, dug pits, 18 x 18 x 12 ins. |
| | E. & W. of stone, 5 1/2 ft. dist, and raised |
| | a mound of earth, 1 1/2 ft. high, 3 1/2 ft. |
| | base, in low Sag and ascend, |
| 49.00 | Top of Spur, bears E. & W. & descend, |
| 50.40 | Cross Ravine, 30 lks. wide, course S. 50° E. & ascend, |
| 55.00 | Top of Spur, bears N. 20° W. & S. 20° E. & descend, |
| 60.00 | Cross Ravine, 10 lks. wide, course S. 60° E. & ascend, |
| 70.50 | Top of Spur, bears E. & W. & descend, |
| 80.00 | Set a Sand Stone, 12 x 8 x 6 ins., 8 ins. in |
| | the ground, for Cor. to Secs. 19-20-29-30, |
| | marked with 2 notches on S. and 5 |
| | notches on E. edges, and raised a |
| | mound of stone. Pits impracticable |
| | Land mountainous. Soil 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P.M., Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Descend, |
| 15.00 | Cross Ravine, 30lks. wide, course S.20°W. & ascend, |
| 25.40 | Top of Spur, bears N.40°E. & S.10°W. & descend, |
| 35.53 | Cross Road to Fort Robinson, bears N.E. & S.W. |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 53.00 | Cross Wash, 45lks. wide, Course S.20°E. |
| 68.00 | Cross Wash, 30lks. wide, Course S. & ascend, |
| 79.59 | Intersect N. & S. line, 20lks. North of Cor. to secs. 20-21-28-29, from which Cor., I run N.89°51'W., on a true line between secs. 20-29, Va. 16°E. |
| 39.95 | Set a Sand Stone, 10x6x5 ins. 7ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18x18x12 ins. N. & S. of Stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 79.59 | The Cor. to secs. 19-20-29-30, Land mountainous. Soil 3rd rate. Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M., Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Descend, |
| .96 | Cross Wash, 20lks. wide, course N.20°E. and ascend, |
| 5.00 | Top of Spur, bears N. & S. & descend, |
| 16.00 | Cross Ravine, 30lks. wide, course N.60°E. and ascend, |
| 40.00 | Set temporary 1/4 sec. cor. |
| 50.00 | Top of Spur, bears N. & S. & descend, |
| 79.35 | Intersect West Boundary of Tp., 24lks. South of Cor. to secs. 19-24-25-30, from which Cor., I run S.89°50'E., on a true line between sections 19-30, Va. 16°E. |
| 39.35 | Set a Sand Stone, 16x11x5 ins. 11ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face and raised a mound of Stone. Pits impracticable. |
| 79.35 | The Cor. to secs. 19-20-29-30, Land mountainous. Soil 3rd rate. Vegetation, Bunchgrass. |

Oct. 17, 1882.

Township 29 N., Range 54 W., 6th P., Meridian.

| Chains | North, between Sections 19 and 20. Variation 16° East. |
|---|---|
| | Descend, |
| 2.63 | Cross Ravine, 60lks. wide, Course N 80° E. and ascend, |
| 13.00 | Top of Spur, bears N. 40° W. & S. 40° E. & descend, |
| 19.40 | Cross Ravine, 30lks. wide, Course N 70° E. & ascend, |
| 40.00 | Set a Sand stone, 10×9×6 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18×18×12 ins., E. & W. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base |
| 69.00 | Top of Spur, bears N. W. & S. E. & descend, |
| 80.00 | Set a Sand stone, 12×8×5 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, 18×18×12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land mountainous, |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P., Meridian.

| Chains | East, on a random line between Sections 17 and 20. Variation 15° 30' East. |
|---|---|
| | Descend, |
| 18.35 | Cross Wash, 50lks. wide, Course S. 10° E. and ascend, |
| 40.00 | Set temporary 1/4 sec. cor., |
| 43.00 | Top of Spur, bears N. & S. & descend, |
| 79.79 | Intersect N. & S. line, 28lks. South of cor. to secs. 16-17-20-21, from which cor., Trun S. 89° 48' W., on a true line between sections 17-20, Va. 15° ~~45'~~ 30' E. |
| 39.90 | Set a Sand stone, 12×6×5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18×18×12 ins., N. & S. of stone, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.79 | The cor. to secs. 17-18-19-20, |
| | Land mountainous, |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. M., Meridian.

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

Variation 15° 30' East.

| Chains | |
|---|---|
| | Ascend, |
| 7.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 21.13 | Cross Wash, 20 lks. wide, course S. 20° E. & ascend, |
| 27.00 | Top of Spur, bears N.W. & S.E. & descend, |
| 37.10 | Cross Wash, 30 lks. wide course S. & ascend, |
| 40.00 | Set temporary 1/4 Sec. Cor., |
| 79.16 | Intersect W. B. of Tp., 8 lks. South of Cor. to Secs. 13-18-19-24, from which Cy., Trun S. 89° 57' E., on a true line between sections 18-19. Va. ~~16° 09'~~ 15° 30' E., |
| 39.16 | Set a Sand stone 9 x 7 x 14 ins., 6 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face dug pits, 18 x 18 x 12 ins., N. & S. of stone, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.16 | The Cor. to Secs. 17-18-19-20. |
| | Land mountainous, |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. M., Meridian.

North, between Sections 17 and 18.

Variation 15° 30' East.

| Chains | |
|---|---|
| | Descend, |
| 14.70 | Cross Ravine, 60 lks. wide, course S. 60° E., |
| 40.00 | Set a Sand stone, 10 x 7 x 5 ins., 7 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, |
| 51.00 | Cross Ravine, 30 lks. wide, course S. 40° E., and ascend, |
| 74.00 | Top of Spur, bears N. 20° W. & S. 20° E. and descend, |
| 80.00 | Set a Sand stone, 11 x 7 x 5 ins., 7 ins. in the ground, for Cor. to Secs. 7-8-17-18, marked with 4 notches on S. and 5 notches on E. edges, dug pits, 18 x 18 x 12 ins., in each Sec. 5 1/2 ft. dist, and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, |
| | Land mountainous, |
| | Soil 3rd rate |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P. Meridian.

| Chains | East, on a random line between Sections 8 and 17. Variation 16° East. |
|---|---|
| | Descend, |
| 4.30 | Cross Wash, 60lks. wide, course East, |
| 10.70 | Cross Wash, 20lks. wide, course S. 20° W. and ascend, |
| 14.00 | Top of Spur, bears N. 10° E. & S. 10° W. and descend, |
| 40.00 | Set temporary 1/4 Sec. Cor., |
| 48.00 | Cypler Flat, bears N. & S., |
| 53.00 | Cross Ravine, 80lks. wide, course S. 20° W. |
| 80.17 | Intersect N. & S. line 34lks. North of Cor. to Secs. 8-9-16-17, from which Cor. Sun N. 89° 45' W., on a true line between Secs. 8-17. Va. ~~15° 45'~~ 16° 00' E., |
| 40.09 | Set a Sand stone, 14x8x4ins., 9ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12ins. N. & S. of stone, 5½ft. dist. and raised a mound of earth 1½ft. high, 3½ft. base, |
| 80.17 | The Cor. to Secs. 7-8-17-18, Land mountainous. 48.00 chains, Balance flat. Soil 3rd rate, Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P. Meridian.

| Chains | West, on a random line between Sections 7 and 18. Variation 16° East. |
|---|---|
| | Ascend, |
| 3.50 | Top of Spur, bears N. 20° W. & S. 20° E. and descend |
| 13.40 | Cross Ravine, 12lks. wide, course S. 30° E. & ascend. |
| 22.60 | Top of Spur, bears N. 10° W. & S. 10° E. & descend, |
| 34.20 | Cross Ravine, 50lks. wide, course S. 40° E. & ascend. |
| 40.00 | Set temporary 1/4 Sec. Cor., |
| 79.07 | Intersect West Boundary of Tp. 18lks. North of Cor. to Secs. 7-12-13-18, from which Cor. Sun N. 89° 52' E., on a true line between Sections 7-18. Va. 16° 00' E., |
| 39.07 | Set a Sand stone, 12x8x6ins., 8ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12ins. N. & S. of stone, 5½ft. dist., and raised a mound of earth, 1½ft. high, 3½ft. base, |
| 79.07 | The Cor. to Secs. 7-8-17-18, Land mountainous, Soil 3rd rate, Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P., Meridian.

North, between Sections 7 and 8

Variation 16° East.

| Chains | |
|---|---|
| | Descend, |
| 30.00 | Cross Ravine, 6 lks. wide, course S.30° E., and ascend, |
| 40.00 | Set a Sand stone, 16 x 10 x 11 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins. E. & W. of Stone 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 74.50 | Top of Spur, bears E. & W. & descend, |
| 80.00 | Set a Sand stone, 12 x 7 x 6 ins., 8 ins. in the ground, for Cor. to Secs. 5-6-7-8, marked with 5 notches on S. and E. edges, dug pits, 18 x 18 x 12 ins., in each Sec. 5 1/2 ft. dist, and raised a mound of earth, 2 ft. high, 4 1/2 ft. base. |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P., Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Ascend gradually, |
| 6.00 | Top of Spur, bears N. & S. and descend, |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 42.00 | Cross Wash, 10 lks. wide, course S.10° E., thence across Flat, |
| 79.90 | Intersect N. & S. line, 28 lks. South of Cor. to Secs. 4-5-8-9, from which Cor. Pum, S.89° 48' W., on a true line between Secs. 5-8. |
| | Va. 16° E. |
| 39.95 | Set Sand stone, 12 x 10 x 4 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of Stone 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, |
| 79.90 | The Cor. to Secs. 5-6-7-8, |
| | Land mountainous. |
| | Soil 3rd rate. |
| | Vegetation, Bunchgrass. |

Township 29 N., Range 54 W., 6th P.M., Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Descend, |
| 9.00 | Cross Ravine, 50 lks. wide, course S. & ascend, |
| 14.00 | Top of Spur, bears N. & S. & descend |
| 16.00 | Cross Ravine, 20 lks. wide, course S. & ascend. |
| 40.00 | Set temporary ¼ Sec. Cor., |
| 58.00 | Top of Spur, bears N. & S. & descend, |
| 64.86 | Cross Ravine, 20 lks. wide, course S. 15° E., and ascend |
| 78.85 | Intersect W. B. of Tp., 12 lks. North of cor. to secs. 1-6-7-12, from which cp., Drum N. 89° 55' E., on a true line between sections 6-7. |
| | Va. 16° E., |
| 38.85 | Set a Sand stone 12 x 10 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins. N. & S. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 78.85 | The cor. to secs. 5-6-7-8, |
| | Land mountainous. |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |



Township 29 N., Range 54 W., 6th P.M., Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Ascend, |
| 4.00 | Top of Spur, bears N. 10° W. & S. 10° E. and descend, |
| 22.50 | Cross Ravine, 100 lks. wide, course W. & ascend, |
| 40.00 | Set temporary ¼ sec. cor., |
| 61.00 | Top of Spur, bears N. W. & S. E. & descend, |
| 79.86 | Intersect N. B. of Tp., 25 lks. South (East) of cor. to secs., 5-6-31-32, from which cp., Drum S. 12° E., on a true line between sections 5-6, |
| | Va. 16° 00' E., |
| 39.86 | Set a Sand stone, 12 x 9 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone, 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, |
| 79.86 | The cor. to secs. 5-6-7-8, |
| | Land mountainous, |
| | Soil 3rd rate, |
| | Vegetation, Bunchgrass. |
| | I carefully examined the adjustments of my solar compass today, particularly the latitude reversing apparatus & found them correct. Mar. 18, 1882. |

## GENERAL DESCRIPTION.

The land in this Tp., is mountainous with soil, mostly 3rd rate,
It is covered with vegetation of Bunchgrass - affording for a considerable portion of the Tp., abundant grazing facilities
The road to Fort Robinson passes through the Tp.,

U. S. Surveyor-General's Office.

Plattsmouth Neb.

August 31st 1882

The foregoing Field Notes of the surveys of Subdivision lines of Th. No. 29 N. R. 54 W. of 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. S. Smith

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

M. F. Reilly Deputy Surveyor.

**T.** 30 **N. R.** 54 **W.**

Sixth Principal Meridian.

# FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 30 North, Range 54 West.

Sixth Principal Meridian.

BY

M. F. Reilly Deputy Surveyor.

Under his Contract of Sept. 22. 1881.

Survey Commenced Nov. 29th 1881.

Survey Completed Dec 5th 1881.

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

..... Meridian.

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

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

..... Meridian.

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

..... Meridian.

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

..... Meridian.

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

Township 30 N. Range 54 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 16° 9' East. |
|---|---|
| | Ascend. |
| 7.00 | Top of Spur, bears N.W. & S.E. & descend. |
| 40.00 | Set a sand stone 12x10x4 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18x18x12 ins. E. & W. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 80.00 | Set a sand stone 16x10x8 ins. 6 ins. in the ground for Cor. to Secs. 25-26-35-36. marked with 1 notch on S. & 1 notch on E. edges, dug pits 18x18x12 ins. in each Sec., 5 1/2 ft. dist. & raised a mound of earth 2 ft. high, 4 1/2 ft. base. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth Pine and Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 25 and 36. Variation 15° 48' East. |
|---|---|
| | Over rolling ground. |
| 3.00 | Cross Gulch, 40 lks. wide, Course S.E. |
| 31.60 | Cross Gulch, 21 lks. wide, Course South. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 44.92 | Cross Road, bears N. & S. |
| 79.79 | Intersect E.B. of Tp. 31 lks. North of cor. to secs. 30-31-25-36 from which corner I run N. 89° 47' W. on a true line, between sections 25-36. |
| | Variation 15° 48/60' East. |
| 39.89 | Set a sand stone 12x10x6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face dug pits, 18x18x12 ins. N. & S. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 79.79 | The corner to Sections 25-26-35-36. |
| | Land rolling. |
| | Soil 2d. & 3d. rate. |
| | Timber & undergrowth Pine and Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal. Meridian.

| Chains | North, between Sections 25 and 26 |
|---|---|
| | Variation 15° 48' East. |
| | Over rolling ground. |
| 17.50 | Cross Gulch 40 lks. wide, Course N. E. and ascend. |
| 40.00 | Set a sand stone 14 x 9 x 7 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. |
| 57.25 | Cross Gulch 20 lks. wide Course S. 20° W. |
| 60.91 | Cross Road, bears E. & W. |
| 80.00 | Set a sand stone 14 x 10 x 10 ins. 10 ins. in the ground for Cor. to Sec. 23-24-25-26 marked with 2 notches on S. and 1 notch on E. edge and raised a mound of stone 6 ft. at base 4 ft. high. Pits impracticable. |
| | Land rolling. |
| | Soil 2d. & 3d. rate. |
| | Timber and undergrowth of Pine and Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal. Meridian.

| Chains | East, on a random line between Sections 24 and 25. |
|---|---|
| | Variation 16° East. |
| | Ascend. |
| 7.50 | Top of divide between White River and Running Water bears S. 70° E. & N. 70° W. and descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 43.00 | Cross Gulch 20 lks. wide, Course N. 40° E. and ascend. |
| 77.88 | Cross Road, bears N. & S. |
| 79.68 | Intersect E. B. of Tp. 16 lks. North of cor. to sec. 24-25-19-30 from which corner Run N. 89° 53' W. on a true line, between sections 24-25. |
| | Variation 16° East. |
| 39.84 | 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., 1/4 S. 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. |
| 79.68 | The corner to Sections 23-24-25-26. |
| | Land rolling |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine and Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | North, between Sections 23 and 24. Variation 16° East. |
|---|---|
| | Ascend. |
| 17.50 | Top of divide between Waters and White Rivers bears S. 70° E. & N. 70° W. and descend. |
| 28.43 | Cross Gulch 20 lks. wide, Course N. 20° W. & ascend. |
| 30.50 | Top of Spur, bears E. & W. and descend. |
| 34.30 | Cross Gulch, 20 lks. wide, Course N. 20° E. & ascend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 24 ins in the ground, for 1/4 Sec. Cor, marked 1/4 S. on W. face; from which |
| | A pine 14 in. dia bears N. 12 1/2° E. 29 lks. dist. marked 1/4 S. B. T. |
| | A Pine 6 in. dia. bears S. 27° W. 83 lks dist. marked 1/4 S. B. T. |
| 44.00 | Top of Spur bears N. W. & S. E. & descend. |
| 59.50 | Cross Gulch, 25 lks. wide, Course N. W. & ascend. |
| 67.50 | Top of Spur, bears N. W. & S. E. and descend. |
| 78.00 | Cross Gulch, 22 lks. wide, Course N. 50° W. & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground for Cor. to Secs. 13-14-23-24 marked T. 30 N. S. 13 on N. E., R. 54 W., S. 24 on S. E., S. 23 on S. W. & S. 14 on N. W. faces, with 3 notches on S. & 1 notch on E. edges. from which |
| | A Pine, 5 in. dia bears S. 12 3/4° E. 80 lks. dist., marked T. 30 N. R. 54 W. S. 24 B. T. |
| | A Pine, 7 in dia, bears S. 66° W. 217 lks. dist. marked T. 30 N. R., 54 W. S., 23 B. T. |
| | A Pine 4 in. dia bears N. 1 1/2° E. 283 lks. dist., marked T. 30 N. R. 54 W. S., 13 B. T. |
| | A Pine 6 in. dia bears N. 46 1/4° W. 247 lks. dist. marked T. 30 N. R. 54 W. S., 14 B. T. |
| | Sand mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | East, on a random line between Sections 13 and 24. Variation 16° East. |
|---|---|
| | Ascend. |
| 4.50 | Top of Spur, bears N. W. & S. E. & descend. |
| 12.44 | Cross Gulch 30 lks. wide, Course N. 40° W. & ascend. |
| 23.00 | Top of Spur, bears N. 30° W. & S. 30° E. & descend. |
| 28.35 | Cross Gulch, 30 lks. wide, Course N. 20° W. & ascend. |
| 34.50 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 43.00 | Cross Gulch, 25 lks. wide Course North & ascend. |
| 49.00 | Top of Spur, bears N. & S. & descend. |
| 55.43 | Cross Gulch, 35 lks. wide Course North & ascend. |
| 69.00 | Top of Spur, bears N. E. & S. W. & descend. |
| 76.80 | Cross Road bears N. & S. |
| 79.89 | Intersect E. B. of Tp. 24 lks. South of cor. to secs. 18-19-13-24 from which corner, I run S. 89° 50' W on a true line between Sections 13-24. |
| | Variation 16° East. |
| 39.95 | Set a sand stone 16 x 14 x 8 ins., 10 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on N. face, & raised a mound of stone. Pits impracticable from which |
| | A Pine, 7 in. dia. bears S. 20 1/4° E. 14 lks. dist., marked 1/4 S. B. T. |
| | A Pine, 10 in. dia. bears N. 44 3/4° W. 29 lks. dist. marked 1/4 S. B. T. |
| 79.89 | The corner to sections 13-14-23-24. |
| | Sand mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 13 and 14. Variation 16° East. |
|---|---|
| | Ascend |
| 4.50 | Top of Spur, bears S.E. & N.W. and descend. |
| 26.00 | Cross Gulch 30 lks. wide, Course N. 60° W. and ascend |
| 37.00 | Cross Gulch, 20 lks. wide, Course N. 20° W. |
| 39.00 | Top of Spur bears E. & W. and descend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on S. on W. face, in low Sag and ascend from which A Pine 11 in. dia. bears N. 10° E. 43 lks. dist. marked 1/4 S.B.T. A Pine 14 in. dia. bears S. 22 1/4 W. 49 lks. dist. marked 1/4 S.B.T. |
| 47.00 | Top of Spur bears N.E. & S.W. and descend. |
| 54.00 | Cross Gulch, 30 lks. wide Course N. 30° E. and ascend. |
| 67.00 | Top of Spur, bears E. & W. and descend. |
| 73.00 | Cross Gulch, 35 lks. wide, Course East. and ascend. |
| 80.00 | Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 11-12-13-14 marked T. 30 N.S. 12. on N.E., R. 54 W., S. 13 on S.E., S 14 on S.W. and S. 11 on N.W. face 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 around post, from which A Pine 9 in. dia. bears S. 8 1/2° E. 23 lks. dist. marked T. 30 N. R. 54 W. S., 14 B.T. A Pine 12 in. dia. bears N. 43° W. 92 lks. dist. marked T. 30 N. R. 54 W. S., 11 B.T. |
| | Land mountainous |
| | Soil 3d. rate. Timber and undergrowth of Pine and Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 12 and 13. Variation 15° 40' East. |
|---|---|
| | Descend. |
| 13.20 | Cross Gulch, 40 lks. wide, Course N. 30° E. and ascend. |
| 22.40 | Top of Spur, bears N.E. & S.W. and descend. |
| 38.46 | Cross Gulch 40 lks. wide, Course N.E. and ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 43.50 | Top of Spur bears N.E. & S.W. and descend. |
| 52.00 | Cross Gulch 40 lks. wide Course N.E. and ascend. |
| 64.00 | Top of Spur, bears N.E. & S.W. and descend. |
| 74.30 | Cross Road, bears N. 10° W. & S. 10° E. |
| 78.00 | Cross Gulch 50 lks. wide, Course N. 10° E. and ascend. |
| 79.80 | Intersect E.B. of Tp. 41 lks South of cor. to secs. 12-13-7-18 from which corner, I run S. 89° 42' W. on a true line between sections 12-13. Variation ~~16°~~ 15° 40' East. |
| 39.90 | Set a sand stone 13x11x8 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. and S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 79.80 | The corner to sections 11-12-13-14. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

North, between Sections 11 and 12.

Variation 15° 40' East.

| Chains | |
|---|---|
| | Ascend. |
| 13.50 | Top of Spur, bears N. 80° E. & S. 80° W. & descend. |
| 23.30 | Cross Gulch 30 lks. wide, course N. 65° E. & ascend. |
| 34.00 | Top of Spur, bears N. 65° E. & S. 65° W. & descend. |
| 40.00 | Set a sand stone 14x12x8 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18x18x12 ins. E. & W. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3 ft. base. |
| 58.00 | Cross Gulch, 40 lks. wide, course N. 40° E. & ascend. |
| 66.50 | Top of Spur bears N. E. & S. W. & descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 34 ins. in the ground, for Cor. to Secs. 1-2-11-12 marked T. 30 N. S. 1 on N. E., R. 54 W. S. 12 on S. E., S. 11 on S. W. & S. 2 on N. W. faces with 4 notches on S. & 1 notch on E. edges. From which |
| | A Pine 14 in. dia. bears N. 21° E. 216 lks. dist., marked T. 30 N. R. 54 W. S. 1 B. T. |
| | A Pine 10 in. dia. bears S. 80° W. 244 lks. dist. marked T. 30 N. R. 54 W. S. 11 B. T. |
| | A Pine 5 in. dia. bears N. 8° W. 184 lks. dist. marked T. 30 N. R. 54 W. S. 2 B. T. |
| | Land mountainous. Soil 2d. & 3d. rate. Timber & undergrowth of Pine and Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.



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

Variation 15° 45' East.

| Chains | |
|---|---|
| | Ascend. |
| 11.00 | Top of Spur, bears N. E. & S. W. & descend. |
| 24.00 | Cross Gulch, 30 lks. wide, course N. 30° E. & ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 44.00 | Top of Spur, bears N. E. & S. W. & descend. |
| 58.00 | Cross Gulch, 40 lks. wide, course N. 40° E. & ascend. |
| 79.77 | Intersect E. B. of Tp. 29 lks. North of Cor. to Secs. 6-7-1-12 from which corner, run N. 89° 48' W. on a true line between Sections 1-12. |
| | Variation 14° 48' East. |
| 39.89 | Set a sand stone 14x8x6 ins., 16 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face dug pits 18x18x12 ins. N. & S. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base, from which |
| | A Pine 8 in. dia. bears S. 42° E. 316 lks. dist., marked 1/4 S. B. T. |
| 79.77 | The corner to sections 1-2-11-12. |
| | Land mountainous. Soil 3d. rate. Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, on a random line between Sections 1 and 2. Variation 15° 45' East. |
|---|---|
| | Descend. |
| 12.00 | Cross Gulch, 10 lks. wide, Course West & ascend. |
| 22.00 | Top of Spur, bears E. & W. & descend. |
| 36.46 | Cross Gulch, 20 lks. wide, Course West & ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 51.00 | Top of Spur, bears N. 70° W. & S. 70° E. & descend. |
| 70.86 | Cross White River 40 lks. wide, Course S. 80° E. & ascend. |
| 79.80 | Intersect N. B. of Sp. 16 lks. West of cor. to secs 1-2-35-36 from which corner, run S. 7' W. in a true line between sections 1-2. |
| | Variation 16° East. |
| 39.80 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18x18x12 ins., E. & W. of post 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post, from which |
| | A Pine 12 ins. dia. bears N. 41° E. 86 lks. dist. marked 1/4 S. B. T. |
| | A Pine 4 in. dia. bears S. 23° W. 70 lks. dist. marked 1/4 S. B. T. |
| 79.80 | The corner to sections 1-2-11-12. |
| | Land mountainous. Soil 3d. rate. Timber & undergrowth of Pine & Bunchgrass. Nov. 29. 1881. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 34 and 35. Variation 16° 30' East. |
|---|---|
| | Descend. |
| 7.50 | Cross Gulch, 80 lks. wide, Course S. 85° E. & ascend. |
| 16.00 | Top of Spur, bears E. & W. & descend. |
| 25.78 | Cross Gulch, 76 lks. wide, Course East & ascend. |
| 40.00 | Set a sand stone 14x10x7 ins. 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 43.50 | Cross Spur Sag & ascend. |
| 58.40 | Top of Spur, bears E. & W. & descend. |
| 78.00 | Dried Flat, bears E. & W. |
| 80.00 | Set a sand stone 12x8x6 ins., 8 ins. in the ground, for Cor. to Secs. 26-27-35-34 marked with 1 notch on S. & 2 notches on E. edge, dug pits, 18x18x12 ins. in each Sec., 5 1/2 ft. dist. & raised a mound of earth 2 ft. high, 4 1/2 ft. base. |
| | Land mountainous. Soil 3d. rate. Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 26 and 35. Variation 15° 30' East. |
|---|---|
| | Over level land. |
| 12.55 | Leave Flat bears N. & S. and ascend. |
| 20.40 | Top of Spur, bears N. & S. and descend. |
| 35.00 | Cross Low Sag and ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 54.00 | Top of Spur, bears N. & S. and descend. |
| 80.26 | Intersect N. & S. line, 12 lks. North of cor. to secs. 25-26-35-36 from which corner bears N. 89° 55' W. on a true line between sections 26-35. Variation 15° 30' East. |
| 40.13 | Set a sand stone 16 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. N. & S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.26 | The corner to Sections 26-27-34-35 |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine and Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 26 and 27. Variation 15° 30' East. |
|---|---|
| | Over level land. |
| 7.00 | Leave Flat bears N. W. & S. E. and ascend. |
| 10.00 | Top of Spur bears E. & W. and descend. |
| 15.20 | Cross Gulch 35 lks. wide, Course S. 80° E. and ascend. |
| 39.24 | Cross road, bears N. 30° E. & S. 30° W. |
| 40.00 | Set a sand stone 14 x 9 x 7 ins., 10 ins. in the ground for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 53.25 | Top of Spur bears E. & W. and descend. |
| 80.00 | Set a sand stone 16 x 14 x 12 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, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine and Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 23 and 26. Variation 15° 45' East. |
|---|---|
| | Ascend. |
| 32.60 | Top of Spur, bears N. + S. and descend. |
| 39.70 | Cross low Sag and ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 80.10 | Intersect N. + S. line, 16 lks. South of cor. to secs. 23-24-25-26 from which corner, I run S. 89° 53' W. on a true line between sections 23-26. Variation 15° 45' East. |
| 40.05 | Set a sand stone 16 x 7 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 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 80.10 | The corner to sections 22-23-26-27. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine + Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 22 and 23. Variation 15° 45' East. |
|---|---|
| | Over rolling land. |
| 32.00 | Top of divide between White River and Running Water, bears E. + W. and descend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground for 1/4 Sec. Cor., marked 1/4 S. on face; from which |
| | A Pine 6 in. dia. bears S. 65° E. 185 lks. dist. marked 1/4 S. B. T. |
| | A Pine 8 in. dia. bears N. 10° W. 420 lks. dist. marked 1/4 S. B. T. |
| 47.15 | Cross Gulch, 80 lks. wide, Course N. 30° E. and ascend. |
| 71.00 | Top of Spur bears E. + W. and descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square 12 ins. in the ground, for Cor. to Secs. 14-15-22-23 marked T. 30 N. S. 14 on N. E., R. 54 W., S. 23 on S. E., S. 22 on S. W. and S. 15 on N. W. faces with 3 notches on S. and 2 notches on E. edges; dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post, from which |
| | Pine 18 in. dia. bears S. 80° E. 43 lks. dist. marked T. 30 N. R. 54 W. S. 23 B. T. |
| | Pine 10 in. dia. bears S. 30° W. 58 lks. dist. marked T. 30 N. R. 54 W. S., 22 B. T. |
| | Pine 6 in. dia bears N. 65° E. 80 lks. dist. marked T. 30 N. R. 54 W. S., 14 B. T. |
| | Pine 20 in. dia. bears N. 43° W. 152 lks. dist. marked T. 30 N. R. 54 W. S., 15 B. T. |
| | Land rolling. Soil 2d. + 3d. rate. |
| | Timber and undergrowth of Pine + Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

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

Variation 16° 10' East.

| Chains | |
|---|---|
| | Descend. |
| 5.70 | Cross Gulch, 60 lks. wide, Course North & ascend. |
| 13.60 | Top of Spur, bears N. + S. & descend. |
| 24.00 | Cross Low Sag & ascend. |
| 39.60 | Top of Spur, bears N. 30° E. + S. 30° W. & descend. |
| 40.00 | Set temporary ¼ Sec. Cor. |
| 49.82 | Cross Gulch, 30 lks. wide, Course N. 15° W. & ascend. |
| 61.00 | Top of Spur bears N. 20° W. + S. 20° E. & descend. |
| 74.82 | Cross Gulch, 25 lks. wide, Course N. 30° W. & ascend. |
| 79.68 | Intersect N. + S. line 32 lks. North of Cor. to Secs. 13-14-23-24 from which corner I run N. 89° 46' W. on a true line between Sections 14-23. Variation 16° East. |
| 39.84. | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor. marked ¼/14 S. on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of post 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base around post. |
| 79.68 | The corner to sections 14-15-22-23. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

North, between Sections 14 and 15.

Variation 16° 10' East.

| Chains | |
|---|---|
| | Ascend. |
| 7.20 | Top of Spur, bears E. + W. & descend. |
| 17.35 | Cross Gulch, 100 lks. wide Course N. 80° E. & ascend. |
| 40.00 | Set a sand stone 18 x 16 x 8 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, & raised a mound of stone. Pits impracticable on |
| | Top of Spur bears N. E. + S. W. & descend. |
| 75.15 | Cross Gulch, 30 lks. wide, Course N. 10° E. & ascend. |
| 78.80 | Top of Spur bears N. 30° E. + S. 30° W. & descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 10-11-14-15 marked T. 30 N. S. 11, on N. E. R. 54 W., S. 14 on S. E., S. 15 on S. W. & S. 10 on N. W. faces with 4 notches on S. & 2 notches on E. sides. dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., & raised a mound of earth 2 ft. high, 4½ ft. base around post. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal. Meridian.

| Chains | East, on a random line between Sections 11 and 14. Variation 16° 15' East. |
|---|---|
| | Ascend. |
| 9.70 | Top of Spur, bears N. & S. and descend. |
| 32.40 | Cross Gulch, 75 lks. wide, Course North & ascend. |
| 38.65 | Top of Spur, bears N. & S. and descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 57.00 | Cross Gulch, 100 lks. wide, Course South & ascend. |
| 65.00 | Top of Spur, bears N. & S. and descend. |
| 80.08 | Intersect N. & S. line, 12 lks. South of cor. to secs. 11-12-13-14 from which corner Spun S. 89° 55' W. on a true line between sections 11-14. |
| | Variation ~~15°~~ 16° 15' East. |
| 40.04 | Set a post 3 ft. long 3 ins. diam. 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 S. on N. face dug pits 18 x 18 x 12 ins. N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 80.08 | The corner to sections 10-11-14-15. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal. Meridian.

| Chains | North, between Sections 10 and 11. Variation 16° 15' East. |
|---|---|
| | Descend. |
| 12.85 | Cross Gulch, 100 lks. wide, Course East & ascend. |
| 18.00 | Top of Spur, bears E. & W. and descend. |
| 29.20 | Cross Gulch, 40 lks. wide, Course N. 70° E. & ascend. |
| 34.00 | Top of Spur, bears E. & W. and descend. |
| 40.00 | Set a post 3 ft. long 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on W. face dug pits 18 x 18 x 12 ins. E. and W. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 57.20 | Cross Gulch, 30 lks. wide, Course N. 39° E. & ascend. |
| 60.10 | Top of Spur, bears E. & W. and descend. |
| 69.90 | Cross Gulch, 15 lks. wide, Course East & ascend. |
| 74.00 | Top of Spur, bears E. & W. and descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 2-3-10-11 marked T. 30 N. R. 54 W. S. 11 on S. E. S. 10 on S. W. and S. 3 on N. W. faces with 5 notches in S. and 2 notches on E. edge; dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post from which |
| | Pine 16 in. dia. bears N. 30° W. 44 lks. dist. marked T. 30 R. 54 W. S. 3 B. T. |
| | Pine 6 in. dia. bears S. 75 W. 64 lks. dist. marked T. 30 R. 54 W. S. 10 B. T. |
| | Pine 20 in. dia. bears S. 10° E. 116 lks. dist. marked T. 30 R. 54 W. S., 11 B. T. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | East, on a random line between Sections 2 and 11. Variation 15° 40' East. |
|---|---|
| | Descend. |
| 3.60 | Cross Gulch, 75 lks. wide, Course North & ascend |
| 10.30 | Top of Spur, bears N. & S. & descend. |
| 13.20 | Cross Gulch, 130 lks. wide, Course North & ascend. |
| 18.75 | Top of Spur, bears N. & S. & descend |
| 25.00 | Cross Gulch, 30 lks. wide, Course North & ascend. |
| 34.00 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 79.88 | Intersect N. & S. line 34 lks. South of cor. to secs. 1-2-11-12 from which corner, I run S. 89° 45' W. on a true line between sections 2-11. |
| | Variation 15° 45' East. |
| 39.94 | Set a sand stone, 12x8x4 ins., 8 ins. in the ground, In 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18x18x12 ins., N. & S. of stone 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 79.88 | The corner to sections 2-3-10-11. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | North, on a random line between Sections 2 and 3. Variation 15° 40' East. |
|---|---|
| | Descend. |
| 11.45 | Cross Gulch, 30 lks. wide, Course West & ascend. |
| 19.30 | Top of Spur, bears E. & W. & descend. |
| 23.60 | Cross Gulch, 120 lks. wide, Course N. 30° W. |
| 37.80 | Enter Flat, bears N. 40° W. & S. 40° E. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 57.00 | Cross Brook 8 lks. wide, Course N. 20° E. & ascend. |
| 61.00 | Top of Spur, bears E. & W. & descend. |
| 80.12 | Intersect N. & S. of Sp. 27 lks. West of cor. to secs. 2-3-34-35 from which corner, I run S. 12' W. on a true line between sections 2-3. |
| | Variation 15° 46' East. |
| 40.12 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, In 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits 18x18x12 ins., E. & W. of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 80.12 | The corner to sections 2-3-10-11 |
| | Land mountainous |
| | Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |

I carefully examined the adjustments of my solar compass today, particularly the latitude & reversing apparatus, & found them correct. Nov. 30. 1881.

Township 30 N. Range 54 W.

6th Principal. Meridian.

North, between Sections 33 and 34.

Variation 16° 30' East.

| Chains | |
|---|---|
| | Ascend. |
| 23.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 30.00 | Cross Gulch, 60 lks. wide, Course S 30° E. & ascend. |
| 40.00 | Set a sand stone 20 x 8 x 5 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base |
| 43.00 | Top of Spur bears N.E. & S.W. & descend. |
| 67.00 | Cross Gulch 30 lks. wide, Course S 45° E. & ascend. |
| 78.00 | Top of Ridge bears E. & W. & descend. |
| 80.00 | Set a sand stone 18 x 12 x 6 ins. 12 ins. in the ground for Cor. to Secs. 27-28-33-34 marked with 1 notch on S. & 3 notches on E. edges, dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist., & raised a mound of earth 2 ft. high, 4 1/2 ft. base |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

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

Variation 16° 25' East.

| Chains | |
|---|---|
| | Descend. |
| 12.50 | Cross Gulch, 90 lks. wide, Course N 55° E. & descend. |
| 15.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 25.00 | Cross Gulch, 60 lks. wide, Course S 30° E. & ascend. |
| 37.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 79.90 | Intersect N. & S. line, 36 lks. North of cor. to secs. 26-27-34-35 from which corner, Drun N. 89° 45' W. on a true line between sections 27 & 34. |
| | Variation ~~15°~~ 16° 25' 30' East. |
| 39.95 | Set a sand stone 18 x 16 x 13 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., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 79.90 | The corner to Sections 27-28-33-34. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal. Meridian.

North, between Sections 27 and 28.

Variation 16° 25' East.

| Chains | |
|---|---|
| | Over rolling land. |
| 7.00 | Cross Road bears N.E. & S.W. |
| 15.00 | Top of Divide between White River and Running Water bears N.E. & S.W. & descend. |
| 31.00 | Cross slow sag and ascend. |
| 40.00 | Set a sandstone 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 5½ ft. dist. and raised a mound of earth ½ ft. high, 3½ ft. base. |
| 49.00 | Enter Pine timber bears E. & W. |
| 50.00 | Top of Spur bears E. & W. & descend. |
| 77.00 | Cross low sag & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 21-22-27-28 marked T. 30 N. S. 22 on N.E. R. 54 W. S. 27 on S.E. S. 28 on S.W. and S. 21 on N.W. faces with 2 notches on S. & 3 notches E. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5½ ft. dist. & raised a mound of earth 20 ft. high, 4½ ft. base around post from which A Pine 6 in. dia. bears S. 20° E. 318 lks. dist. marked T. 30 N. R. 54 W. S. 27 B.T. |
| | Land mountainous. Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

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

Variation 15° 36' East.

| Chains | |
|---|---|
| | Descend. |
| 8.00 | Cross Gulch 95 lks. wide, Course N. 10° E. and ascend. |
| 17.00 | Top of Spur, bears N. & S. and descend. |
| 23.32 | Cross Gulch, 60 lks. wide, Course N. 10° E. & ascend |
| 27.00 | Top of Spur bears N. & S. and descend. |
| 33.90 | Cross Gulch, 80 lks. wide, Course N. 20° W. & ascend. |
| 38.00 | Top of Spur bears N. & S. and descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 46.20 | Cross Gulch, 10 lks. wide, Course N. 20° W. & ascend. |
| 53.90 | Top of Ridge between White River & Running Water bears N. & S. and descend. |
| 79.96 | Intersect N. & S. line, 8 lks. North of Cor. to Secs. 22-23-26-27 from which corner, I run N. 89° 57' W. on a true line between sections 22-27. |
| | Variation 15° ~~45'~~ 36' East. |
| 39.98 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins., N. & S. of post 5½ ft. dist. & raised a mound of earth ½ ft. high, 3½ ft. base around post. |
| 79.96 | The corner to sections 21-22-27-28. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | North, between Sections 21 and 22. Variation 15° 36' East. |
|---|---|
| | Ascend. |
| 15.50 | Top of Spur, bears N. 20° E. & S. 20° W. & descend. |
| 23.00 | Cross Gulch, 90 lks. wide, Course N. 28° E. & ascend. |
| 34.00 | Top of Spur, bears E. & W. and descend. |
| 37.00 | Cross Gulch, 60 lks. wide, Course N. 80° E. & ascend. |
| 40.00 | Set a post, 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. From which A Pine 20 in. dia. bears N. 30° W. 310 lks. dist. marked 1/4 S. B. T. |
| 41.60 | Top of Spur, bears N. 10° E. & S. 10° W. & descend |
| 44.10 | Cross Gulch, 100 lks. wide, Course East & ascend |
| 50.60 | A Pine, 30 in. dia. |
| 56.00 | Top of Spur bears E. & W. and descend. |
| 58.00 | Cross Gulch, 90 lks. wide, Course N. 30° E. & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 15-16-21-22 marked T. 30 N. R. 15 on N. E. R. 54 W. S. 22 on S. E., S. 21 on S. W. & S. 16 on N. W. face, with 3 notches on S. & 3 notches on E. edges. dug pits, 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post. From which A Pine 20 in. dia. bears N. 65° E. 125 lks. dist. marked T. 30 R. 54 W. S. 15 B. T. A Pine 18 in. dia. bears S. 74° E. 190 lks. dist. marked T. 30 N. R. 54 W. S. 22 B. T. Land mountainous. Soil 3d. rate. Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | East, on a random line between Sections 15 and 22. Variation 16° 20' East. |
|---|---|
| | Descend. |
| 6.00 | Cross low Sag & ascend. |
| 14.00 | Top of Spur, bears N. & S. & descend. |
| 23.32 | Cross Gulch, 100 lks. wide, Course North & ascend. |
| 31.00 | Top of Spur bears N. & S. and descend. |
| 34.80 | Cross Gulch, 85 lks. wide, Course N. 10° W. & ascend. |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 52.00 | Top of Spur bears N. & S. & descend. |
| 64.00 | Cross Gulch, 50 lks. wide, Course North & ascend. |
| 79.81 | Intersect N. & S. line 14 lks. South of Cor. to Secs. 14-15-22-23 from which corner, run S. 89° 54' W. on a true line between Sections 15-22. Variation 16° 20' East. |
| 39.91 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins., N. & S. of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. From which A Pine 20 in. dia. bears N. 33° W. 86 lks. dist., marked 1/4 S. B. T. A Pine 5 in. dia. bears S. 20° E. 33 lks. dist. marked 1/4 S. B. T. |
| 79.81 | The corner to sections 15-16-21-22. Land mountainous. Soil 3d. rate. Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | North, between Sections 15 and 16. Variation 16° 20′ East. |
|---|---|
| | Descend. |
| 6.00 | Cross low Sag and ascend. |
| 22.00 | Top of Spur, bears S. W. & N. E. and descend. |
| 27.25 | A Pine 2 in. dia. |
| 28.70 | Cross Gulch, 90 lks. wide, Course N. 27° E. & ascend |
| 38.50 | Top of Spur, bears E. & W. & descend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of post 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base around post. from which A. Pine 6 in. dia. bears N. 80° E. 294 lks. dist. marked 1/4 S. B. T. |
| 52.30 | Cross Gulch 50 lks. wide, Course N. 30° W. & ascend. |
| 60.50 | Top of Spur, bears S. E. & N. W. & descend. |
| 72.50 | Cross Creek, 50 lks. wide, Course N. 35° E. & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground for Cor. to Secs. 9-10-15-16. marked T. 30 N. S. 10, on N. E. R. 54 W. S. 15 on S. E., S. 16 on S. W. & S. 9 on N. W. faces with 4 notches on S. & 3 notches on E. edges; dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base around post. from which A. Pine 8 in. dia. bears S. 33° W. 125 lks. dist. marked T. 30 N. R. 54 W. S. 16 B. T. |
| | Land mountainous. Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | East, on a random line between Sections 10 and 15. Variation 16° East. |
|---|---|
| | Descend. |
| 10.30 | Cross Creek, 50 lks. wide, Course N. 10° E. & ascend. |
| 30.00 | Top of Ridge, bears S. E. & N. W. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 46.20 | Cross Gulch, 46 lks. wide, Course N. 10° W. & ascend. |
| 80.16 | Intersect N. & S. line, 9 lks. South of cor. to secs. 10-11-14-15 from which corner Run S. 89° 56′ W. on a true line between sections 10-15. |
| | Variation 16° 08′ East. |
| 40.08 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of post 6½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base around post. from which A. Pine in. dia. bears N. 25° W. 80 lks. dist. marked 1/4 S. B. T. A. Pine 10 in. dia. bears S. 70° E. 24 lks. dist. marked 1/4 S. B. T. |
| 80.16 | The corner to sections 9-10-15-16. |
| | Land mountainous. |
| | Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | North, between Sections 9 and 10. Variation 16° East. |
|---|---|
| | Ascend. |
| 1.00 | Top of Spur, bears N.E. & S.W. and descend. |
| 10.00 | Cross Gulch, 60 lks. wide, Course N. 45° E. & ascend. |
| 21.00 | Top of Spur bears N.W. & S.E. and descend. |
| 37.00 | Cross Gulch, 90 lks. wide, Course East. and ascend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base around post. from which |
| | A Yellow Pine 30 in. dia. bears N. 17° W. 88 lks. dist. marked 1/4 S. B. T. |
| 43.00 | Top of Spur, bears E. & W. and descend. |
| 57.00 | Cross Gulch, 100 lks. wide, Course East & ascend. |
| 67.00 | Top of Spur, bears E. & W. and descend. |
| 79.00 | Cross Gulch, 90 lks. wide, Course N. 53° E. & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square 12 ins. in the ground, for Cor. to Secs. 3-4-9-10. marked T. 30 N. S. 3, on N.E., R. 54 W. S. 10 on S.E. S. 9 on S.W. & S. 4 on N.W. face, with 5 notches on S. & 3 notches on E. edges; dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. & raised a mound of earth 2 ft. high 4½ ft. base around post. from which |
| | A Pine 14 in. dia. bears N. 75° W. 100 lks. dist. marked T. 30 N. R. 54 W. S. 4 B. T. |
| | A Pine 18 in. dia. bears S. 80° E. 37 lks. dist. marked T. 30 N. R. 54 W. S. 10 B. T. |
| | A Pine 12 in. dia. bears S. 70° W. 123 lks. dist. marked T. 30 N. R. 54 W. S. 9 B. T. |
| | Land mountainous. Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | East, on a random line between Sections 3 and 10. Variation 15° 30' East. |
|---|---|
| | Descend. |
| 10.00 | Cross Gulch, 120 lks. wide, Course N. 65° E. & ascend. |
| 20.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 27.00 | Cross Gulch, 20 lks. wide, Course N. 35° E. & ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 42.00 | Top of Spur bears N. 15° E. & S. 15° W. & descend. |
| 49.00 | Cross Creek, 100 lks. wide, Course S. 15° E. & ascend. |
| 79.92 | Intersect N. & S. line, 14 lks. South of cor. to secs. 2-3-10-11 from which corner, run S. 89° 54' W. on a true line between sections 3-10. Variation 15° 40' East. |
| 39.96 | Set a sand stone 16 x 12 x 8 ins., 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on S. face, dug pits, 18 x 18 x 12 ins. N. & S. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.92 | The corner to sections 3-4-9-10. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |
| | I carefully examined the adjustments of my solar compass today, particularly the latitude & reversing apparatus, & found them correct. Dec. 1. 1881. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

| Chains | North, on a random line between Sections 3 and 4. Variation 15° 30' East. |
|---|---|
| | Ascend. |
| 2.00 | Top of Spur bears N.85° E. & S.85° W. & descend. |
| 7.00 | Cross Gulch, 90 lks. wide, Course N.80° E. & ascend. |
| 13.50 | Top of Spur bears E. & W. & descend. |
| 37.50 | Cross Gulch 90 lks. wide, Course N.80° E. & ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 48.00 | Top of Spur bears N.30° W. & S.30° E. & descend |
| 53.00 | Cross low Sag & ascend. |
| 58.00 | Top of Spur, bears N.20° W. & S.20° E. & descend. |
| 77.00 | Cross Gulch 20 lks. wide, Course N.30° W. & ascend. |
| 80.28 | Intersect N.B. of Tp. 32 lks. West of Cor. to secs. 3-4-33-34 from which corner, I run S.14 W. on a true line, between sections 3-4. |
| | Variation 15° 30' East. |
| 40.28 | Set a post 3 ft. long 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S on W. face, dug pits 18x18x12 ins., E. & W. of post 5½ ft. dist., & raised a mound of earth 1½ ft. high 3½ ft. base around post. From which |
| | A Yellow Pine 8 in. dia. bears N.20° E. 23 lks. dist. marked 1/4 S. B. T. |
| | A Yellow Pine 6 in. dia. bears N.40° W. 80 lks. dist. marked 1/4 S. B. T. |
| 80.28 | The corner to sections 3-4-9-10 |
| | Land mountainous. Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.



| Chains | North, between Sections 32 and 33. Variation 16° 30' East. |
|---|---|
| | Ascend. |
| 19.00 | Top of Spur, bears E. & W. & descend. |
| 28.00 | Cross Gulch, 30 lks. wide, Course West & ascend. |
| 40.00 | Set a sand stone 16x14x9 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of stone 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 65.00 | Top of Ridge between White River and Running Water bears E. & W. & descend. |
| 69.00 | Cross Roads, bears E. & W. |
| 75.00 | Enter Pine timber bears E. & W. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 28-29-32-33 marked T.30 N. S. 28 on N. E., R 54 W. S. 33 on S. E., S. 32 on S. W. & S. 29 on N. W. faces, with 1 notch on S. & 4 notches on E. edges; dug pits, 18x18x12 ins. in each Sec. 5½ ft. dist., & raised a mound of earth 2 ft. high, 4½ ft. base around post. From which |
| | A Pine 10 in. dia. bears N. 13½° W. 224 lks. dist. marked T.30 N.R. 54 W, S. 29 B.T. |
| | Land mountainous. Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal Meridian.

| Chains | East, on a random line between Sections 28 and 33. Variation 16° 30' East. |
|---|---|
| | Descend. |
| 13.10 | Cross Gulch, 14 lks. wide, Course North & ascend. |
| 26.00 | Top of Bluff bears N. & S. & descend. |
| 36.00 | Cross Gulch, 35 lks. wide, Course N. 50° W. & ascend |
| 40.00 | Set temporary 1/4 sec. cor |
| 58.00 | Top of divide between White River and Running Water bears N. E. & S. W. & descend. |
| 62.84 | Cross Road, bears N. E. & S. W. |
| 79.68 | Intersect N. & S. line, 21 lks. South of cor. to sec. 27-28-33-34 from which corner, I run S. 89° 51' W. in a true line between sections 28-33 Variation 16° ~~25~~ 30' East. |
| 39.84 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on N. face dug pits 18 x 18 x 12 ins., N. & S. of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 79.68 | The corner to sections 28-29-32-33. |
| | Land hilly |
| | Soil 2d. & 3d. rate. |
| | Timber & undergrowth of Pine and Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal Meridian.

| Chains | North, between Sections 28 and 29. Variation 16° 30' East. |
|---|---|
| | Descend. |
| 13.73 | A Yellow Pine 10 in. dia. |
| 22.00 | Cross Gulch, 250 lks. wide, Course N. 15° W. & descend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 24 ins in the ground for 1/4 Sec. Cor., marked 1/4 S. on W. face from which, A Pine 7 in. dia. N. 22 1/2° W. 26 lks. dist. marked 1/4 S. B. T. A. Pine 11 in. dia. S. 42 3/4° E. 173 lks. dist. marked 1/4 S. B. T. |
| 43.00 | Top of Spur, bears N. W. & S. E. & descend. |
| 52.00 | Cross Gulch, 200 lks. wide, Course N. 15° E. & ascend. |
| 57.00 | Cross Gulch 200 lks. wide Course N. W. |
| 60.00 | Top of Spur, bears E. & W. & descend. |
| 67.00 | Cross Gulch, 200 lks. wide, Course West. & ascend. |
| 71.00 | Top of Spur, bears E. & W. & descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 20-21-28-29. marked T. 30 N. S. 21, on N. E., R. 54 W, S. 28 on S. E., S. 29 on S. W. & S. 20 on N. W. face, with 2 notches on S. & 4 notches on E. edge; dug pits, 18 x 18 x 12 ins. in each Sec, 5 1/2 ft. dist & raised a mound of earth 2 ft. high, 4 1/2 ft. base around post. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.

6th Principal. Meridian.

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

Variation 15° 45' East.

| Chains | |
|---|---|
| | Ascend. |
| 7.00 | Top of Spur bears N. W. & S. E. & descend. |
| 17.00 | Cross Gulch, 30 lks. wide, Course N. 15° E. & ascend. |
| 36.00 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 53.20 | Cross Gulch, 30 lks. wide, Course N. 30° E. & ascend. |
| 68.00 | Top of Spur, bears N. E. & S. W. & descend. |
| 79.91 | Intersect N. & S. line, 34 lks South of Cor. to secs. 21-22-27-28 from which corner, I run S. 89° 45' W. on a true line between Sections 21-28. Variation 15° 45' East. |
| 39.96 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins., N. & S. of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 79.91 | The corner to sections 20-21-28-29. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.

6th Principal. Meridian.

North, between Sections 20 and 21.

Variation 15° 45' East.

| Chains | |
|---|---|
| | Ascend. |
| 9.00 | Top of Spur, bears N. W. & S. E. and descend. |
| 23.00 | Cross Gulch, 24 lks. wide, Course N. 30° E. & ascend. |
| 26.00 | Top of Spur, bears E. & W. and descend. |
| 39.00 | Cross Gulch, 30 lks. wide, Course N. 10° E. & ascend. |
| 40.00 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits 18 x 18 x 12 ins., E. and W. of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| | A Pine 10 in. dia. bears S. 5° E. 44 lks. dist. from which marked 1/4 S. B. T. |
| 50.30 | Top of Spur, bears N. E. & S. W. & descend. |
| 72.00 | Cross Gulch, 15 lks. wide, Course N. E. & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 16-17-20-21. marked T. 30 N. S. 16 on N. E., R. 54 W. S. 21 on S. E., S. 20 on S. W. & S. 17 in N. W. faces with 3 notches on S. & 4 notches on E. edges: from which |
| | A Pine 14 in. dia. bears S. 28° E. 104 lks. dist. marked T. 30 N. R. 54 W. S. 21 B. T. |
| | A Pine 10 in. dia. bears S. 34° W. 19 lks. dist. marked T. 30 N. R. 54 W. S. 20 B. T. |
| | A Pine 8 in. dia. bears N. 52 1/2° W. 30 lks. dist. marked T. 30 N. R. 54 W. S. 17 B. T. |
| | A Pine 6 in. dia. bears N. 36 1/2° E. 108 lks. dist. marked T. 30 N. R. 54 W. S. 16 B. T. |
| | Land mountainous. Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal. Meridian.

East, on a random line between Sections 16 and 21.
Variation 15° 35' East.

| Chains | |
|---|---|
| | Descend. |
| 11.00 | Cross Gulch, 30 lks. wide, Course N. E. & ascend. |
| 20.00 | Top of Spur, bears N. E. & S. W. & descend. |
| 29.00 | Cross Gulch, 30 lks. wide, Course N. 20 E. & ascend |
| 40.00 | Set temporary 1/4 sec. cor. |
| 52.00 | Top of Spur bears N. E. & S. W. & descend. |
| 80.26 | Intersect N. & S. line, 12 lks., South of cor. to secs. 15-16-21-22 from which corner, I run S. 89° 55' W. on a true line between sections 16-21 |
| | Variation 15° 35' East. |
| 40.13 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Co., marked 1/4 S. on N. face, dug pits 18 x 18 x 12 ins., N. & S. of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. from which |
| | N. Pine 10 in. dia. S. 20° E. 93 lks. dist. marked 1/4 S. B. T. |
| | N. Pine 47 in. dia. bears N. 19° W. 47 lks. dist. marked 1/4 S. B. T. |
| 80.26 | The corner to sections 16-17-21-22. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal. Meridian.

North, between Sections 16 and 17.
Variation 15° 35' East.

| Chains | |
|---|---|
| | Ascend |
| 5.50 | Top of Spur, bears N. E. & S. W. & descend. |
| 17.00 | Cross Low Sag and ascend. |
| 40.00 | Set a sand stone, 18 x 16 x 6 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face dug pits 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base. |
| 45.00 | Top of hill bears E. & W. & descend. |
| 55.70 | Head of Ravine, Course East. & ascend. |
| 65.00 | Top of Spur, bears N. 20° E. & S. 20° W. & descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 8-9-16-17. marked T. 30 N. S. 9 on N. E., R. 54 W., S. 16 on S. E., S. 17 on S. W. & S. 8 on N. W. face, with 4 notches on S. & 4 notches on E. edges dug pits, 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist., & raised a mound of earth 2 ft. high, 4 1/2 ft. base around post. from which |
| | N. Pine 10 in. dia. bears N. 45° W. 19 lks. dist. marked T. 30 N. R. 54 W., S., 8 B. T. |
| | N. Pine 12 in. dia. bears N. 84° E. 63 lks. dist. marked T. 30 N. R. 54 W., S., 9 B. T. |
| | N. Pine 14 in dia. bears S. 46° E. 133 lks. dist. marked T. 30 N. R. 54 W., S., 16 B. T. |
| | Land mountainous |
| | Soil 3d. rate |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 9 and 16. Variation 15° 30' East. |
|---|---|
| | Ascend. |
| 3.00 | Top of Spur, bears N. & S. and descend. |
| 17.00 | Cross Gulch, 60 lks. wide, Course N. 10° E. & ascend. |
| 30.50 | Top of Spur, bears N. & S. and descend. |
| 36.10 | A. Yellow Pine 14 in. dia. |
| 40.00 | Set temporary ¼ sec. cor. |
| 43.00 | Cross Gulch, 30 lks. wide, Course S. 30° E. & ascend. |
| 48.00 | Top of Spur, bears N. 20° W. & S. 20° E. & descend. |
| 70.00 | Cross Gulch, 90 lks. wide Course N. 35° E. & ascend. |
| 79.00 | Top of Spur, bears N. E. & S. W. & descend |
| 79.83 | Intersect N. & S. line, 18 lks. South. of Cor. to Secs. 9-10-15-16 from which corner, I run S. 89° 52' W. on a true line between sections 9-16. Variation 15° 30' East. |
| 39.92 | Set a post 3 ft. long 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of post, 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base around post. from which |
| | A. Pine 14 in. dia. S. 63° E. 18 lks. dist. marked ¼ S. B. T. |
| | A. Pine 10 in. dia. S. 70° W. 71 lks. dist. marked ¼ S. B. T. |
| 79.83 | The corner to sections 8-9-16-17. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 8 and 9. Variation 15° 30' East. |
|---|---|
| | Descend. |
| 2.00 | Cross Gulch 30 lks. wide, Course N. 30° E. & ascend. |
| 6.50 | Top of Spur, bears N. 20° E. & S. 20° W. & descend |
| 11.00 | Cross Gulch 20 lks. wide, Course East. & ascend. |
| 16.00 | Top of Spur, bears E. & W. & descend. |
| 40.00 | Set a sand stone 14 x 10 x 10 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face and raised a mound of stone. Pits impracticable. |
| 44.60 | Cross low Sag & ascend. |
| 70.00 | Top of Spur, bears E. & W. & descend. |
| 80.00 | Set a post 4 ft. long 4 ins square, 12 ins. in the ground, for Cor. to Secs. 4-5-8-9. marked T. 30 N. S. 4 on N. E., R. 54 W. S. 9 on S. E. S. 8 on S. W. & S. 5 on N. W. face, with 5 notches on S. & 4 notches on E. edges: dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base around post. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 4 and 9. Variation 15° 45' East. |
|---|---|
| | Ascend. |
| 17.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 30.10 | Cross Gulch, 30 lks. wide, Course N. 40° E. & ascend. |
| 34.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 37.00 | Cross Gulch, 8 lks. wide Course S. 20° E. & ascend. |
| 39.50 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 41.00 | Cross Gulch, 26 lks. wide, Course N.E. & ascend |
| 50.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 55.43 | Cross Gulch, 20 lks. wide, Course S. 25° E. & ascend. |
| 80.04 | Intersect N. & S. line, 10 lks. North of cor. to secs. 3-4-9-10 from which corner, Drum N. 89° 56' W. on a true line between sections 4-9. |
| | Variation 15° ~~30~~ 45' East. |
| 40.02 | Set a post 3 ft. long 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face and raised a mound of stone 1½ ft. high 3½ ft. base around post. Pits impracticable. From which A Pine 8 in. dia. bears S. 89¼° E. 43 lks. dist. marked 1/4 S. B. T. A Pine 10 in. dia. bears N. 30° W. 61 lks. dist. marked 1/4 S. B. T. |
| 80.04 | The corner to sections 4-5-8-9. Land mountainous. Soil 3d. rate Timber & undergrowth of Pine & Bunch grass. Dec. 2. 1881. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, on a random line between Sections 4 and 5. Variation 15° 45' East. |
|---|---|
| | Descend. |
| 4.34 | Cross Gulch 20 lks. wide, Course East & ascend. |
| 11.50 | Top of Spur, bears N. 70° E. & S. 70° W. & descend. |
| 23.41 | Cross Gulch, 30 lks. wide, Course N.E. & ascend. |
| 29.50 | Top of Spur, bears N.E. & S.W. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 44.33 | Cross Gulch, 30 lks. wide, Course N. 85° E. & ascend |
| 48.00 | Top of Spur bears N.E. & S.W. & descend. |
| 53.36 | Cross Gulch, 30 lks. wide, Course N. 30° E. & ascend. |
| 77.50 | Top of Spur, bears N. 20° E. & S. 20° W. and descend. |
| 78.50 | Cross Gulch 100 lks. wide, Course N. 20° E. & ascend. |
| 80.34 | Intersect N. B. of Sh. 22 lks. West of cor. to secs. 4-5-32-33 from which corner, Drum S. 9' W. on a true line between sections 4-5. |
| | Variation ~~15~~ 12° 45' East. |
| 40.34 | Set a sand stone 18x11x6 ins., 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face. dug pits 18x18x12 ins., E. & W. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high 3½ ft. base. From which A Pine 20 in. dia. bears N. 30° E. 143 lks. dist marked 1/4 S. B. T. A Pine 7 in. dia. bears S. 20½° W. 83 lks. dist. marked 1/4 S. B. T. |
| 80.34. | The corner to sections 4-5-8-9. Land mountainous. Soil 3d. rate Timber & undergrowth of Pine & Bunch grass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

North, between Sections 31 and 32.

Variation 16° 18' East.

| Chains | |
|---|---|
| | Ascend. |
| 10.20 | Top of Spur, bears E. & W. & descend. |
| 15.60 | Cross Low Sag & ascend. |
| 32.30 | Top of Spur, bears S. 30° E. & N. 30° W. & descend. |
| 40.00 | Set a sand stone 14 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. & W. of stone 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 62.35 | Cross Gulch, 16 lks. wide, Course S. 30° E. & ascend. |
| 68.50 | Top of Spur, bears N. 60° W. & S. 60° E. & descend. |
| 80.00 | Set a sand stone 18 x 14 x 6 ins. 12 ins. in the ground for Cor. to Secs. 29-30-31-32 marked with 1 notch on S. & 5 notches on E. edges. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Ascend. |
| 3.40 | Top of Spur, bears N. & S. & continue ascend. |
| 26.60 | Top of divide between White River and Running Water bears N. W. & S. E. & descend. |
| 40.00 | Set temporary ¼ sec. cor |
| 47.80 | Cross Road bears, S. 85° E. & N. 85° W. |
| 52.00 | Cross Low Sag & ascend. |
| 58.00 | Top of Spur, bears N. & S. & descend |
| 69.10 | Cross Gulch, 20 lks. wide, Course North & ascend. |
| 80.22 | Intersect N. & S. line, 15 lks North of cor. to secs. 28-29-32-33 from which corner, I run N. 89° 54' W. on a true line between sections 29-32. |
| | Variation 16° 30' East. |
| 40.11 | Set a sand stone 12 x 8 x 6 ins., 8 ins in the ground, for ¼ Sec. Cor. marked ¼ on N. face, dug pits 18 x 18 x 12 ins., N. & S. of stone, 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.22 | The corner to sections 29-30-31-32. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

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

Variation 16° East.

| Chains | |
|---|---|
| | Descend. |
| 12.85 | Cross Gulch, 25 lks. wide, Course South & ascend. |
| 19.50 | Top of Spur, bears N. & S. & descend. |
| 35.60 | Enter Flat bears N. & S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 53.00 | Cross Gulch, 20 lks. wide, Course S. 10° E. & ascend. |
| 78.91 | Intersect W. B. of Tp. 45 lks. South of cor. to secs. 30-31-25-36 from no such corner, Run S. 89° 41' E. on a true line between sections 30-31. Variation 16° 05' East. |
| 38.91 | Set a sand stone 11 x 8 x 6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins, N. & S. of stone, 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 78.91 | The corner to sections 29-30-31-32 |

Land mountainous.
Soil 2d. & 3d. rate.
Timber & undergrowth of Pine & Bunchgrass.



Township 30 N. Range 54 W.
6th Principal Meridian.

North, between Sections 29 and 30.

Variation 16° East.

| Chains | |
|---|---|
| | Over rolling land. |
| 7.25 | Top of divide between White River & Running Water bears E. & W. & descend. |
| 10.18 | Cross Road, bears E. & W. |
| 20.45 | Cross Gulch, 20 lks. wide, Course N. 80° E. & ascend. |
| 26.00 | Top of Spur, bears E. & W. & descend. |
| 38.90 | Cross Gulch, 15 lks. wide, Course N. 85° E. & ascend. |
| 40.00 | A. Pine 6 in diam., which I mark ¼ S. on W. face, for ¼ Sec. Cor.; from which A. Pine 4 in. diam. bears N. 70° W. 17 lks. dist. marked ¼ S. B. T. A. Pine 6 in. diam. bears S. 50° E. 22 lks dist. marked ¼ S. B. T. |
| 52.15 | Top of Spur, bears E. & W. & descend. |
| 78.45 | Cross Gulch, 25 lks. wide, Course East & ascend. |
| 80.00 | Set a sand stone 12 x 10 x 6 ins. 8 ins. in the ground for Cor. to Secs. 19-20-29-30 marked with 2 notches on S. & 5 notches on E. edges dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base. |

Land mountainous.
Soil 3d. rate.
Timber & undergrowth of Pine & Bunchgrass.

Township 30 N. Range 54 W.
6th Principal. Meridian.

East, on a random line between Sections 20 and 29.
Variation 15° 45' East.

| Chains | |
|---|---|
| | Ascend. |
| 6.00 | Top of Spur, bears N. & S. and descend. |
| 13.20 | Cross low Sag, and ascend. |
| 27.30 | Top of Spur, bears N. & S. and descend. |
| 40.00 | Set temporary 1/4 Sec. Cor. |
| 52.00 | Cross Gulch, 120 lks. wide, Course North, and ascend |
| 79.72 | Intersect N. & S. line, 20 lks. South of Cor. to secs. 20-21-28-29 from which corner, Run S. 89° 51' W. on a true line between sections 20-29. |
| | Variation 15° 45' East. |
| 39.86 | Set a sand stone 14x9x7 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. |
| 79.72 | The corner to sections 19-20-29-30 |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal. Meridian.

West, on a random line between Sections 19 and 30.
Variation 15° 45' East.

| Chains | |
|---|---|
| | Ascend. |
| 7.30 | Top of Spur, bears N. & S. and descend. |
| 12.50 | Cross Gulch, 25 lks. wide, Course S. 80° E. and ascend. |
| 22.00 | Top of Spur, bears N. & S. and descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 56.00 | Cross Road, bears N. & S. |
| 72.00 | Cross Gulch, 6 lks. wide, Course N. 20° E. and ascend |
| 79.10 | Intersect W. B. of Tp. 23 lks. South of Cor. to secs. 24-25-19-30 from which corner, Run S. 89° 56' E. on a true line between sections 19-30. |
| | Variation 15° 45' East. |
| 39.10 | Set a sand stone 14x8x8 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. |
| 79.10 | The corner to sections 19-20-29-30 |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber and undergrowth of Pine and Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 19 and 20. Variation 15° 45' East. |
|---|---|
| | Ascend. |
| 8.50 | Top of Spur, bears E. & W. & descend. |
| 25.54 | Cross Gulch, 40 lks. wide, Course N. 50° E. & ascend. |
| 32.60 | Top of Spur, bears E. & W. & descend. |
| 40.00 | Set a sand stone 14x7x5 ins., 10 ins in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18x18x12 ins., E. & W. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base. |
| 51.00 | Cross Gulch, 30 lks. wide, Course N. 40° E. & ascend. |
| 55.60 | Top of Spur bears N. 30° E. & S. 30° W. & descend. |
| 61.70 | Cross Gulch, 30 lks. wide, Course N. 70° E. & ascend |
| 78.45 | Top of Spur, bears E. & W. & descend. |
| 80.00 | Set a sand stone 12x10x8 ins. 8 ins. in the ground for Cor. to Secs. 17-18-19-20 marked with 3 notches on S. & 5 notches on E. edges, dug pits 18x18x12 ins in each Sec. 5 1/2 ft. dist. & raised a mound of earth 2 ft. high, 4 1/2 ft. base. Land mountainous. Soil 3d. rate. Vegetation Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | East, on a random line between Sections 17 and 20. Variation 16° East. |
|---|---|
| | Descend. |
| 12.65 | Cross Gulch, 30 lks. wide, Course S. 20° E. & ascend. |
| 15.80 | Top of Spur, bears N. & S. & descend. |
| 19.25 | Cross Gulch, 25 lks. wide, Course South & ascend |
| 35.00 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 53.86 | Cross Gulch, 15 lks. wide, Course S. 30° E. & ascend. |
| 66.00 | Top of Spur, bears S.W. & N.E. & descend. |
| 79.88 | Intersect N. & S. line, 10 lks. South of cor. to Secs 16-17-20-21 from which corner Run S. 89° 56' W. on a true line between sections 17-20 |
| | Variation ~~15°~~ 16° ~~35'~~ 50' East. |
| 39.94 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face, dug pits 18x18x12 ins., N. & S. of post, 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 79.88 | The corner to sections 17-18-19-20. Land mountainous. Soil 3d. rate. Vegetation Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | West, on a random line between Sections 18 and 19, Variation 16° East. |
|---|---|
| | Ascend. |
| 3.60 | Top of Spur, bears S. 40° E. & N. 40° W. & descend. |
| 12.75 | Cross low Sag & ascend. |
| 24.90 | Cross Gulch 20 lks. wide, Course North |
| 29.50 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 76.50 | Cross Gulch, 40 lks. wide, Course N. 60° E. & ascend. |
| 79.06 | Intersect W. B. of Tp. 30 lk. North of cor. to secs. 18-19-13-24 from which corner, I run N. 89° 47' E. on a true line, between sections 18—19. |
| | Variation ~~15° 54'~~ 16° 00' East. |
| 39.06 | Set a sand stone 10x9x6 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18x18x12 ins., N. & S. of stone 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.06 | The corner to sections 17-18-19-20 |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Vegetation Bunchgrass. |
| | Dec. 3. 1881. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, between Sections 17 and 18. Variation 16° East. |
|---|---|
| | Ascend. |
| 13.75 | Top of Spur, bears E. & W. & descend. |
| 24.00 | Enter Flat bears E. & W. |
| 35.00 | Leave Flat bears E. & W. and ascend. |
| 40.00 | Set a sand stone 12x10x5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18x18x12 ins. E. & W. of stone 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 43.65 | Top of Spur, bears E. & W. & descend. |
| 75.00 | Cross Gulch, 12 lks. wide Course West. & ascend. |
| 76.50 | Top of Spur bears E. & W. & descend. |
| 79.45 | Cross Gulch, 20 lks. wide, Course N. 70° W. & ascend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square 12 ins. in the ground, for Cor. to Secs. 7-8-17-18 marked T. 30 N. S. for N. E., R. 54 W, S. 17 on S. E. S. 18 on S. W. & S. 7 on N. W. faces, with 4 notches on S. & 5 notches on E. edges; dug pits, 18x18x12 ins. on each Sec., 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base around post. |
| | Land mountainous. Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal. Meridian

East, on a random line between Sections 8 and 17.
Variation 15° 35' East.

| Chains | |
|---|---|
| | Descend. |
| 10.45 | Cross Gulch 25 lks. wide, Course N. 60° W. & ascend. |
| 29.65 | Top of Spur, bears N. 30° W. & S. 30° E. & descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 48.00 | Cross Gulch, 12 lks. wide, Course N. 30° E. & ascend. |
| 64.00 | Top of Spur, bears N.E. & S.W. & descend. |
| 73.64 | Cross Gulch, 20 lks. wide, Course N.E. & ascend. |
| 80.08 | Intersect N. & S. line, 32 lks. North of Cor. to secs. 8-9-16-17 from which corner I run N. 89° 46' W. on a true line between sections 8-17. Variation 15° 35' East. |
| 40.04 | Set a sand stone 16 x 13 x 8 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits 18 x 18 x 12 ins., N. & S. of stone 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base |
| 80.08 | The corner to sections 7-8-17-18. |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Vegetation Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal. Meridian.

West, on a random line between Sections 7 and 18.
Variation 15° 35' East.

| Chains | |
|---|---|
| | Descend. |
| 5.35 | Cross Gulch, 40 lks. wide, Course N. 25° W. & ascend. |
| 15.00 | Top of Spur, bears N. & S. & descend. |
| 27.60 | Cross Gulch, 28 lks. wide, Course North & ascend. |
| 35.75 | Top of Spur, bears N. 20° W. & S. 20° E. & descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 59.90 | Cross Gulch 90 lks. wide, Course N. 15° E. & ascend. |
| 64.00 | Top of Spur, bears N. & S. and descend. |
| 69.90 | Cross Gulch, 120 lks. wide, Course N. 10° E. & ascend. |
| 75.54 | Cross Gulch, 200 lks. wide, Course North. |
| 77.00 | Top of Spur bears N. & S. & descend. |
| 78.69 | Intersect W. B. of Tp. 19 lks. North of Cor. to secs. 12-13-7-18 from which corner, I run N. 89° 52' E. on a true line between sections 7-18. Variation 15° 35' East. |
| 38.69 | Set a sand stone 16 x 9 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 14 x 12 ins. N. & S. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base |
| 78.69 | The corner to sections 7-8-17-18. |
| | Land mountainous. |
| | Soil 3d. rate |
| | Vegetation Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal. Meridian

| Chains | North, between Sections 7 and 8 |
|---|---|
| | Variation 15° 35' East. |
| | Ascend. |
| 13.60 | Top of Spur, bears E. & W. and descend. |
| 24.50 | Cross low Sag and ascend. |
| 29.75 | Top of Spur bears E. & W. and descend. |
| 40.00 | Set a lime stone 22 x 18 x 14 ins., 15 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits, 18 x 18 x 12 ins., E. & W. of stone 5 ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base, in low Sag & ascend. |
| 48.65 | Top of Spur, bears E. & W. & descend. |
| 80.00 | Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground for Cor. to Sec. 5-6-7-8. marked T. 30 N. R. 54 W, S. 5 on N. E., S. 8 on S. E., S. 7 on S. W. & S. 6 on N. W. face, with 5 notches on S. & 5 notches on E. edges. dug pits, 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., & raised a mound of earth 2 ft. high, 4½ ft. base around post. From which |
| | A. Pine 8 in. dia. bears S. 70° W. 170 lks. dist. marked T. 30 N. R. 54 W, S. 7 B.T. |
| | A. Pine 6 in. dia. bears S. 60° E. 130 lks. dist. marked T. 30 N. R. 54 W, S. 8 B.T. |
| | A. Pine 24 in. dia. bears N. 75° E. 238 lks. dist. marked T. 30 N. R. 54 W, S. 5 B.T. |
| | A. Pine 35 in. dia. bears N. 85° W. 216 lks. dist. marked T. 30 N. R. 54 W, S. 6 B.T. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal. Meridian.

| Chains | East, on a random line between Sections 5 and 8. |
|---|---|
| | Variation 16° 06' East. |
| | Descend. |
| 2.85 | Cross Gulch, 40 lks. wide, Course North & ascend. |
| 10.00 | Top of Spur, bears N. & S. & descend. |
| 34.10 | Cross Gulch, 30 lks. wide, Course N. 20° W. & ascend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 53.00 | Top of Spur, bears N. & S. & descend. |
| 70.16 | Cross Gulch, 10 lks. wide, Course N. 30° E. & ascend. |
| 79.98 | Intersect N. & S. line, 23 lks. North of cor. to secs. 4-5-8-9 from which corner, Run N. 89° 50' W. on a true line between sections 5-8. |
| | Variation 15° 45' East. |
| 39.99 | Set a sand stone 12 x 8 x 6 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits, 18 x 18 x 12 ins., N. & S. of stone 5½ ft. dist., & raised a mound of earth ½ ft. high, 3½ ft. base. |
| 79.98 | The corner to sections 5-6-7-8 |
| | Land mountainous. |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |

Township 30 N. Range 54 W.
6th Principal Meridian

| Chains | West, on a random line between Sections 6 and 7. Variation 16° 6' East. |
|---|---|
| | Ascend. |
| 2.20 | Top of Spur, bears N. & S. & descend. |
| 20.10 | Cross Gulch, 30 lks. wide, Course North & ascend. |
| 24.70 | Top of Spur, bears N. 20° W. & S. 20° E. & descend. |
| 27.85 | Cross Gulch, 128 lks. wide, Course North & ascend. |
| 31.50 | Top of Spur, bears N. & S. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 48.00 | Cross Gulch, 206 lks. wide, Course North & ascend. |
| 54.00 | Top of Spur bears N. & S. & descend. |
| 63.00 | Cross Gulch 200 lks. wide Course N. 15 E. & ascend. |
| 78.49 | Intersect W. B. of Tp. 13 lks. North of Cor. to sec. 6-7-1-12 from which corner, Drun N. 89° 54' E. on a true line between sections 6-7. Variation 15° 50' East. |
| 38.49 | Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face dug pits 18 x 18 x 12 ins., N. & S. of post 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 78.49 | The corner to sections 5-6-7-8. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine & Bunchgrass. |



Township 30 N. Range 54 W.
6th Principal Meridian.

| Chains | North, on a random line between Sections 5 and 6. Variation 16° 6' East. |
|---|---|
| | Ascend. |
| 9.30 | Top of Spur, bears E. & W. & descend. |
| 16.50 | Cross Gulch, 38 lks. wide, Course N. 30° W. |
| 31.45 | Cross Gulch, 15 lks. wide, Course S. 70° W. & ascend. |
| 38.30 | Top of Spur, bears E. & W. & descend. |
| 40.00 | Set temporary 1/4 sec. cor. |
| 80.12 | Intersect N. B. of Tp. 31 lks. East of Cor. to sec. 5-6-31-32 from which corner, Drun S. 13° E. on a true line between sections 5-6. Variation 16° East. |
| 40.12 | Set a post 3 ft. long, 3 ins diam 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on W. face, dug pits 18 x 18 x 12 ins., E. & W. of post 5 1/2 ft. dist., & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. |
| 80.12 | The corner to sections 5-6-7-8. |
| | Land mountainous |
| | Soil 3d. rate. |
| | Timber & undergrowth of Pine and Bunchgrass. |

I carefully examined the adjustments of my solar compass today, particularly the latitude & reversing apparatus, & found them correct. Dec. 5. 1881.

## GENERAL DESCRIPTION.

The land in this Tp. is generally mountainous.
The soil is 2d. & 3d. rate.
The timber & undergrowth consists of Pine & Bunchgrass.
The land is well adapted to grazing purposes.

U. S. Surveyor-General's Office.

Plattsmouth Neb.
~~Cheyenne~~, ~~Wyoming~~,

August 31st 1882

The foregoing Field Notes of the surveys of

Subdivision lines of Tp.
No. 30 N. R. 54 W. of the

~~6th~~ Principal Base & Meridian in the State of Neb. ~~Territory of Wyoming~~

executed by M. F. Reilly
U. S. Deputy Surveyor, under his contract No. 2 dated

September 22nd 1881

in the Months of Nov. & Dec. 1881
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 Ga. & Neb. ~~Wyoming~~.

Charles Buchanan, Deputy Surveyor.

**T.** 31 **North R.** 54 **West.**

6th Principal Meridian.

# FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 31 North Range 54 West

6th Principal Meridian.

BY

Charles Buchanan, Deputy Surveyor.

Under his Contract of November 11th 1881

Survey Commenced August 31st 1882.

Survey Completed September 7th 1882.

*Platted,*
*Copied for Washington,*
*Copied for Register,*

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

Township 31 North, Range 5 4 West,

6th Principal Meridian.

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

Edward Denny & Co., Stationers & Printers, S. F., Cal.
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Township ..... North ..... Range ..... West

..... 6th Principal Meridian.

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

..... 6th Principal Meridian.

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

..... 6th Principal Meridian.

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

M. 4, *in* 1880.

Township 31 North Range 54 West

(See previous page.) 6th Principal Meridian.

| Chains | From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36. Variation 15° 30′ East. |
|---|---|
| 13.00 | Leave River valley, and ascend. |
| | Enter Pine timbr, bears E. and W. |
| 40.00 | Set a Sand stone 20 x 8 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | from which |
| | A Pine 6 ins. diam. bears N. 75° W., 60 lks. dist. marked ¼ S. B. T. |
| 41.00 | Top of Spur, bears N. E. and S. W. and descend. |
| 63.00 | Cross Ravine, Course. S. W. and ascend. |
| 75.00 | Leave Pine timbr, bears E. and W. |
| 80.00 | Set a Sand stone 28 x 6 x 6 ins. 21 ins. in the ground for Cor. to Secs. 25, 26, 35 and 36, marked with 1 notch on S. and 1 notch on E. edges and raised a mound of stone. Pits impracticable. |
| | 67.00 chs. and 13.00 chs. level. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass and Cactus. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 25 and 36. Variation 15° 20′ East. |
|---|---|
| 5.00 | Top of Ridge, bears N. W. and S. E. and descend. |
| 10.00 | Enter Pine timbr, bears N. and S. |
| 17.00 | Cross Ravine, Course. S. E. and ascend. |
| 26.50 | Top of Spur, bears N. W. and S. E. and descend. |
| 38.00 | Cross Ravine, Course. S. E. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 57.00 | Top of Ridge, bears N. W. and S. E. |
| 60.00 | Descend. E. slope. |
| 68.00 | Cross Ravine, Course. S. and ascend. |
| 70.00 | Cross Road, bears, N. and S. |
| 80.35 | Intersect E. B. of Tp. 25 lks. North of cor. to secs. 25, 30, 31 & 36, from which corner, I run N. 89° 49′ W. on a true line, between sections 25 and 36. |
| | Variation 15° ~~40~~ 20′ East. |
| 40.17 | Set a Sand stone 16 x 8 x 3 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable. |
| | from which |
| | A Pine 5 ins. diam. bears N. 15° E., 56 lks. dist. marked ¼ S. B. T. |
| | A Pine 20 ins. diam. bears S. 25° E., 204 lks. dist. marked ¼ S. B. T. |
| 80.35 | The corner to sections 25, 26, 35 and 36. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass and Cactus. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 25 and 26. Variation 15° 20' East. |
|---|---|
| 7.00 | Top of Ridge, bears N.W. and S.E. and descend. |
| 35.00 | Cross Ravine, Course. S.E. and ascend. |
| 40.00 | Set a Sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 54.00 | Top of Spur, bears N.W. and S.E. and descend. |
| 70.00 | Enter Pine timber bears N.W. and S.E. |
| 78.00 | Cross Ravine, Course. S.E. and ascend. |
| 80.00 | Set a Sand stone 16 x 10 x 4 ins. 11 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 and raised a mound of stone. Pits impracticable. |

A Pine 6 ins. diam. bears N. 50° W. 24 lks. dist. from which marked T. 31 N, R. 54 W, S., 23 B. T.
A Pine 5 ins. diam. bears S. 45° W, 82 lks. dist. marked T. 31 N, R. 54 W, S., 26 B. T.
A Pine 6 ins. diam. bears N. 45° E. 56 lks. dist. marked T. 31 N, R. 54 W, S., 24 B. T.
A Pine 4 ins. diam. bears S. 70° E., 64 lks. dist. marked T. 31 N, R. 54 W, S., 25 B. T.
Land mountainous
Soil 2nd rate.
Timber of Pine.
Vegetation of Bunchgrass and Cactus.



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 24 and 25. Variation 15° 20' East. |
|---|---|
| | Over S.E. slope. |
| 12.00 | Cross Ravine, Course. S.E. and ascend. |
| 16.00 | Top of Spur, bears N. and S. and descend. |
| 23.00 | Cross Ravine, Course. S. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 77.00 | Top of Spur, bears N. and S. and descend. |
| 80.03 | Intersect E. B. of Tp. 54 lks. North of cor. to secs. 19, 24, 25 & 30 from which corner, I run N. 89° 37' W. on a true line, between sections 24 and 25. Variation 15° ~~20'~~ 20' East. |
| 140.01 | Set a Sand stone 20 x 14 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.03 | The corner to sections 23, 24, 25 and 26. |

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

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 23 and 24. Variation 15° 20' East. |
|---|---|
| 8.00 | Top of Spur, bears N.W. and S.E. and descend. |
| 15.00 | Cross Ravine, Course. S.E. and ascend. |
| 40.00 | Set a Sand stone 20 x 10 x 7 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 6 ins. diam. bears S. 87° W., 64 lks. dist. marked ¼ S. B. T. |
| 49.00 | Top of Spur, bears N.E. and S.W. and descend. |
| 50.00 | Lean Pine timber, bears E. and W. |
| 56.00 | Cross Ravine, Course. S.W. and ascend. |
| 80.00 | Set a Sand stone 20 x 7 x 5 ins. 15 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone. Pits impracticable. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 13 and 24. Variation 15° 00' East. |
|---|---|
| 27.00 | Top of Divide, bears N.W. and S.E. |
| 32.00 | Descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 79.93 | Intersect E. B. of Tp. 72 lks. North of cor. to secs. 13, 18, 19 & 24, from which corner, I run N. 89° 29' W. on a true line, between sections 13 & 24. Variation 15° 00' East. |
| 39.96 | Set a Sand stone 30 x 8 x 6 ins., 22 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.93 | The corner to sections 13, 14, 23 and 24. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 13 and 14. Variation 15° 00′ East. |
|---|---|
| 36.00 | Top of Divide, bears N.W. and S.E. |
| 40.00 | Set a Sand stone 20 x 10 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 46.00 | Descend. N. slope. |
| 62.41 | Intersect South boundary of Fort Robinson Wood Reservation, S. 16 Chs. West of Cor. No. 15, which is a Post, marked U. S. M. W. F. R. and |
| | Set a Sand stone 15 x 10 x 3 ins. 12 ins. in the ground for Closing Cor. to Secs. 13 and 14. marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |
| | August 30th 1882. |



Township North Range West

6th Principal Meridian.

| Chains | East, on a random line between Sections 12 and 13. Variation East. |
|---|---|

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

..... 6th Principal Meridian.

| Chains | North, between Sections 11 and 12. |
|---|---|
| | Variation East. |



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

..... 6th Principal Meridian.

| Chains | East, on a random line between Sections 1 and 12. |
|---|---|
| | Variation East. |

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

..... 6th Principal Meridian.

| Chains | North, on a random line between Sections 1 and 2. |
|---|---|
| | Variation East. |



Township 31 North ..... Range 54 West

..... 6th Principal Meridian.

| Chains | North, between Sections 34 and 35. |
|---|---|
| | Variation 15° 30′ East. |
| 5.00 | Enter timber, bears E. and W. |
| 8.50 | Cross Fort Laramie and Fort Robinson road, bears W. and S.E. |
| 10.30 | Cross White River, 30 lks. wide, Course E. |
| 11.00 | Enter Pine timber and ascend. |
| 40.00 | Set a Sand stone 18 x 8 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 42.00 | Top of Spur, bears N.W. and S.E. and descend. |
| 55.00 | Foot of Spur, bears N.W. and S.E. and ascend. |
| 70.00 | Top of Spur, bears E. and W. and descend. |
| 80.00 | Set a Sand stone 15 x 11 x 4 ins. 10 ins. in the ground for Cor. to Secs. 26, 27, 34 and 35, marked with 1 notch on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 26 and 35. Variation 15° 30′ East. |
|---|---|
| 17.00 | Cross Ravine, Course. S. E. and ascend. |
| 35.00 | Top of Spur, bears N. and S. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 43.00 | Foot of Spur, bears S. E. |
| 46.00 | Large Pine timber, bears N. W. and S. E. |
| 79.60 | Intersect N. & S. line, 19 lks. South of cor. to secs. 25, 26, 35 and 36, from which corner, I run S. 89° 53′ W. on a true line between sections 26 and 35. Variation 15° ~~30′~~ East. |
| 39.80 | Set a Sand stone 20 x 10 x 8 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.60 | The corner to sections 26, 27, 34 and 35. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 26 and 27. Variation 15° 30′ East. |
|---|---|
| 7.00 | Foot of Spur, bears E. and W. and ascend. |
| 16.00 | Top of Spur, bears E. and W. and descend. |
| 24.00 | Foot of Spur, bears E. and W. |
| 25.00 | Cross Ravine, Course. S. E. and ascend. |
| 40.00 | Set a Sand stone 20 x 15 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 75.00 | Large Pine timber, bears W. and S. E. and ascend. |
| 80.00 | Set a Sand stone 22 x 15 x 4 ins. 16 ins. in the ground for Cor. to Secs. 22, 23, 26 and 27 marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 23 and 26. Variation 15° 30' East. |
|---|---|
| | Ascend. |
| 30.50 | Top of Ridge, bears N.W. and S.E. |
| 37.00 | Descend. E. slope. |
| 40.00 | Set temporary ¼ sec. cor. |
| 78.00 | Cross Ravine, Course. S.E. Enter Pine timber and ascend. |
| 79.98 | Intersect N. & S. line, 23 lks. North of cor. to secs. 23, 24, 25 and 26 from which corner, I run N. 89° 50' W. on a true line between sections 23 and 26, Variation 15° ~~24'~~ 30' East. |
| 39.99 | Set a Sand stone 20 x 15 x 10 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.98 | The corner to sections 22, 23 26 and 27. Land mountainous Soil 2nd rate. Timber of Pine, Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 22 and 23. Variation 15° 30' East. |
|---|---|
| | Ascend. |
| 40.00 | Set a Sand stone 20 x 12 x 5 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 41.00 | Top of Ridge, bears N.W. and S.E. |
| 44.00 | Descend. N.E. slope. |
| 52.00 | Enter Pine timber, bears N.W. and S.E. |
| 65.00 | Cross Ravine, Course. S.E. and ascend. |
| 80.00 | Set a Sand stone 24 x 20 x 4 ins. 18 ins. in the ground for Cor. to Secs. 14, 15, 22 and 23, marked with 3 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous Soil 2nd rate. Timber of Pine. Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 14 and 23. Variation 15° 30' East. |
|---|---|
| 7.50 | Cross Ravine, Course. S. E. |
| 11.00 | Lean Pine timber, bears N. W. and S. E. |
| 40.00 | Set temporary ¼ sec. cor. |
| 76.00 | Ascend. West slope. |
| 79.90 | Intersect N. & S. line, 15 lks. North of cor. to secs. 13, 14, 23 and 24, from which corner, I run N. 89° 54' W. on a true line between sections 14 and 23, Variation 15° ~~00'~~ 30' East. |
| 39.95 | Set a Sand stone 18 x 10 x 8 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.90 | The corner to sections 14, 15, 22 and 23. Land rolling. Soil 2nd rate Vegetation of Bunchgrass, Timber of Pine. I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. August 31 - 1882. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 14 and 15. Variation 15° 30' East. |
|---|---|
| 8.50 | Cross Ravine, Course. S. E. |
| 13.00 | Lean Pine timber, bears S. E. & W. and ascend. |
| 40.00 | Set a Sand stone 14 x 6 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 40.25 | Top of Divide, bears E. and W. |
| 45.00 | Descend. N. slope. |
| 61.70 | Intersect South boundary of Fort Robinson Wood Reservation, ~~5.75~~ 5.75 chs. West of Cor. No. 13, which is a Post marked W. D. M. W. J. R. and |
| | Set a Sand stone 20 x 7 x 4 ins. 15 ins. in the ground for Closing Cor. to Secs. 14 and 15 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land mountainous and 17.75 chs. flat. |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

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

..... 6th Principal Meridian.

| Chains | East, on a random line between Sections 11 and 14. |
|---|---|
| | Variation East. |



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

..... 6th Principal Meridian.

| Chains | North, between Sections 10 and 11. |
|---|---|
| | Variation East. |

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

..... 6th Principal Meridian.

| Chains | East, on a random line between Sections 2 and 11. |
|---|---|
| | Variation East. |



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

..... 6th Principal Meridian

| Chains | North, on a random line between Sections 2 and 3. |
|---|---|
| | Variation East. |

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 33 and 34. Variation 15° 45' East. |
|---|---|
| 3.00 | Cross Ravine, Course. N.W. and ascend. |
| 7.00 | Top of Butte, bears E. and W. and descend. |
| 30.00 | Leave Pine timber and enter Grass, bears E. and W. |
| 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., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 42.00 | Cross White River 30 lks. wide, Course E. |
| 45.00 | Leave river bottom and ascend. |
| 46.00 | Cross Fort Laramie and Fort Robinson road, bears E. and W. |
| 71.00 | Cross Creek, 10 lks. wide, Course S.E. and ascend. |
| 80.00 | Set a Sandstone 17 x 10 x 3 ins. 11 ins. in the ground for Cor. to Secs. 27, 28, 33 and 34 marked with 1 notch on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine, undergrowth of Chapparal. |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 27 and 34 Variation 15° 45' East. |
|---|---|
| 22.00 | Top of Spur, bears N. and S. and descend. |
| 36.00 | Cross Ravine, Course. S. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 58.00 | Top of Spur, bears N. and S. and descend. |
| 79.95 | Intersect N. & S. line, 3 lks. South of cor. to secs. 26, 27, 34 & 35, from which corner, I run N. 89° 59' W. on a true line between sections 27 and 34. Variation 15° 45' East. |
| 39.97 | Set a Sandstone 15 x 12 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.95 | The corner to sections 27, 28, 33 and 34. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 27 and 28. Variation 15° 45' East. |
|---|---|
| | Over W. and S.W. slope. |
| 34.00 | Top of Spur, bears N.E. and S.W. and descend. |
| 40.00 | Set a Sandstone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable. |
| | A Pine 8 ins. diam. bears N.55° E., marked ¼ S. B. T. — from which 18 lks. dist. |
| | A Pine 5 ins. diam. bears S.80° W., marked ¼ S. B. T. — 44 lks. dist. |
| 52.00 | Cross Ravine, Course. S.W. and ascend. |
| 75.00 | Top of Spur, bears N.E. and S.W. and descend. |
| 79.25 | Cross Ravine, Course. W. and ascend. |
| 80.00 | Set a Sandstone 22 x 11 x 5 ins. 16 ins. in the ground for Cor. to Secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges and raised a mound of stone. Pits impracticable. |
| | A Pine 12 ins. diam. bears S. 2° W. marked T. 31 N, R. 54 W, S., 28 B. T. — from which 18 lks. dist. |
| | A Pine 9 ins. diam. bears S. 60° E. marked T. 31 N, R. 54 W, S., 27 B. T. — 72 lks. dist. |
| | A Pine 11 ins. diam. bears N. 45° W. marked T. 31 N, R. 54 W, S., 21 B. T. — 70 lks. dist. |
| | A Pine 6 ins. diam. bears N. 55° E. marked T. 31 N, R. 54 W, S., 22 B. T. — 56 lks. dist. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West
6th Principal Meridian.

| Chains | East on a random line between Sections 22 and 27. Variation 15° 45' East. |
|---|---|
| 5.00 | Cross Ravine, Course. S.W. and ascend. |
| 10.00 | Top of Ridge, bears N. and S. and descend. |
| 23.00 | Cross Ravine, Course. S. and ascend. |
| | Large Pine timber bears N. and S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 55.00 | Top of Ridge, bears N. and S. and descend. |
| 80.40 | Intersect N. & S. line, 31 lks. South of cor. to secs. 22, 23, 26 and 27, from which corner, I run S. 89° 47' W. on a true line between sections 22 and 27. Variation 15° ~~30'~~ 45' East. |
| 40.20 | Set a Sandstone 22 x 12 x 3 ins., 17 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. |
| 80.40 | The corner to sections 21, 22, 27 and 28. |
| | Land mountainous. |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 21 and 22. Variation 15° 45' East. |
|---|---|
| 37.00 | Top of Spur, bears N.E. and S.W. and descend. |
| 40.00 | Set a Sand stone 17 x 8 x 3 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 76.00 | Cross Creek, 10 lks. wide, Course S.W. and ascend. |
| 80.00 | Set a Sand stone 28 x 12 x 5 ins. 21 ins. in the ground for Cor. to Secs. 15, 16, 21 and 22, marked with 3 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 15 and 22. Variation 15° 40' East. |
|---|---|
| 6.00 | Cross Creek, 10 lks. wide, Course S.W. and ascend. |
| 20.00 | Lean Pine timber, bears N. and S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 41.00 | Top of Ridge, bears N. and S. and descend. |
| 50.00 | Foot of Ridge, bears N. and S. and ascend. |
| 77.00 | Top of Spur, bears N.W. and S.E. and descend. |
| | Enter Pine timber, bears N. and S. |
| 79.73 | Intersect N. & S. line, 36 lks. South of cor. to secs. 14, 15, 22 & 23, from which corner, I run S. 89° 45' W. on a true line between sections 15 and 22. Variation 15° 40' East. |
| 39.86 | Set a Sand stone 18 x 15 x 3 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.73 | The corner to sections 15, 16, 21 and 22. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |
| | September 1st 1882. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 15 and 16. Variation 15° 40' East. |
|---|---|
| 8.00 | Leave Pine timber, bears E. and W. |
| 40.00 | Set a Sand stone 15 x 12 x 3 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 51.00 | Top of Divide, bears N. 70° W. and S. 60° E. |
| 54.00 | Descend. N. slope. |
| 71.00 | Cross Ravine, Course. N.E. |
| 80.00 | Set a Sand stone 20 x 6 x 5 ins. 15 ins. in the ground for Cor. to Secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |

Land mountainous.

Soil 2nd rate

Vegetation of Bunchgrass.



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a ~~random~~ true line between Sections 10 and 15. Variation 15° 45' East. |
|---|---|
| 10.00 | Enter Pine timber, bears N. and S. |
| 20.00 | Cross Ravine, Course. N.E. and ascend. |
| 33.00 | Top of Spur, bears N.E. and S.W. and descend. |
| 40.00 | Set a Sand stone 17 x 8 x 4 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 53.00 | Cross Ravine, Course. N.E. and ascend. |
| 56.50 | Intersect West boundary of Fort Robinson Wood Reservation, 19.00 chs. N. of Cor. No. 12, which is a Post, marked U. S. M. W. T. R. on N.E. and S.W. Cor. on S.W. faces, and Set a Sand stone 20 x 10 x 6 ins. 15 ins. in the ground for Closing Cor. to fractional Secs. 10 and 15 marked C. C. with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. S. N. and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |

Land mountainous

Soil 2nd rate.

Timber of Pine.

Vegetation of Bunchgrass.

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 9 and 10. Variation 15° 45' East. |
|---|---|
| 40.00 | Set a Sand stone 15 x 8 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. and ascend. |
| 45.00 | Top of Spur, bears S. W. and N. E. and descend. |
| 60.00 | Foot of Spur, bears E. and W. |
| 80.00 | Set a Sand stone 20 x 11 x 7 ins. 15 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |

Land rolling.

Soil 2nd rate

Vegetation of Bunchgrass.



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East on a ~~random~~ true line between Sections 3 and 10. Variation 15° 45' East. |
|---|---|
| 40.00 | Set a Sand stone 15 x 10 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 44.00 | Enter Pine timber, bears N. and S. |
| 55.80 | Intersect West boundary of Fort Robinson Wood Reservation, 3.83 chs. South of Cor. No. 10, which is a Post, marked U. S. M. W. T. R. on E. face, and Set a Sand stone 32 x 10 x 5 ins. 24 ins. in the ground for Closing Cor. to true line Secs. 3 and 10 marked C. C. with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. S. N., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |

Land rolling.

Soil 2nd rate

Vegetation of Bunchgrass.

Timber of Pine.

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, on a random line between Sections 3 and 4. Variation 15° 45' East. |
|---|---|
| 24.00 | Enter Pine timber, bears E. and W. |
| 35.00 | Cross Gulch, 50 lks. wide, Course E. |
| 38.75 | Cross Gulch, 50 lks. wide, Course N.W. |
| 40.00 | Set temporary ¼ sec. cor. |
| 44.50 | Cross Gulch, 50 lks. wide, Course N.E. |
| 79.28 | Intersect N.B. of Tp. 70 lks. West of cor. to secs. 3, 4, 33 & 34, from which corner, I run – S. 30' W. on a true line, between sections 3 and 4. Variation 15° 45' East. |
| 39.28 | Set a Sand stone 20 x 12 x 8 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable. |
| | A Pine 5 ins. diam. bears N. 85° W., 32 lks. dist. marked ¼ S. B. T. |
| | A Pine 5 ins. diam. bears S. 46° E., 34 lks. dist. marked ¼ S. B. T. |
| 79.28 | The corner to sections 3, 4, 9 and 10. |
| | Land broken. |
| | Soil 2nd rate |
| | Vegetation Bunchgrass. |
| | Timber of Pine. |



Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 32 and 33. Variation 15° 45' East. |
|---|---|
| .10 | Cross Ravine, Course. N.E. and ascend. |
| | Enter scattering Pine timber. |
| 9.00 | Top of Spur, bears E. and W. and descend. |
| 11.00 | Leave Pine timber, bears E. and W. |
| 15.00 | Foot of Spur, bears E. and W. |
| 28.00 | Enter Box Elder timber, bears E. and W. |
| 32.25 | Cross road from Fort Robinson to Fort Laramie, bears E. and W. |
| 39.25 | Cross White River, 20 lks. wide, Course E. |
| 40.00 | Set a Sand stone 18 x 10 x 8 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 44.00 | Leave Box Elder and enter Pine timber, bears E. & W. and ascend. |
| 50.00 | Top of Spur, bears E. and W. and descend. |
| 73.00 | Cross Ravine, Course. S.E. |
| 80.00 | Set a Sand stone 20 x 18 x 10 ins. 15 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 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | A Pine 24 ins. diam. bears S. 2° E., 120 lks. dist. marked T. 31 N., R. 54 W., S., 33 B. T. |
| | A Pine 4 ins. diam. bears N. 31° W. 55 lks. dist. marked T. 31 N., R. 54 W., S., 29 B. T. |
| | Land broken. |
| | Soil 3rd rate Timber of Pine and Box Elder. |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 28 and 33. Variation 15° 30′ East. |
|---|---|
| 12.00 | Top of Spur, bears N. and S. and descend. |
| 17.00 | Foot of Spur, bears N. and S. and ascend. |
| 26.00 | Top of Spur, bears N. and S. and descend. |
| 32.00 | Cross Ravine, Course. S. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 62.00 | Top of Spur, bears N.W. and S.E. and descend. |
| 75.00 | Cross dry Creek, course S.E. and ascend. |
| 80.49 | Intersect N. & S. line, 36 lks. South of cor. to secs. 27, 28, 33 & 34, from which corner, I run S. 89° 45′ W. on a true line between sections 28 and 33. Variation 15° ~~45′~~ 30′ East. |
| 40.24 | Set a Sand stone 18 x 15 x 10 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable. from which |
| | A Pine 6 ins. diam. bears S. 55° W., 35 lks. dist. marked ¼ S. B. T. |
| 80.49 | The corner to sections 28, 29, 32 and 33, |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |
| | I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. September 2nd 1882 |



Township 31 North Range 54 West
6th Principal Meridian

| Chains | North, between Sections 28 and 29. Variation 15° 30′ East. |
|---|---|
| 8.00 | Top of Spur, bears N.E. and S.W. and descend. |
| 20.00 | Foot of Spur, bears N.E. and S.W. and ascend. |
| 40.00 | Set a Sand stone 25 x 12 x 4 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 5 ins. diam. bears S. 2° E., 88 lks. dist. marked ¼ S. B. T. |
| | A Pine 28 ins. diam. bears N. 40° W., 50 lks. dist. marked ¼ S. B. T. |
| 55.00 | Top of Spur, bears E. and W. and descend. |
| 60.00 | Foot of Spur, bears E. and W. and ascend. |
| 66.00 | Top of Ridge, bears N.W. and S.E. and descend. |
| 80.00 | Set a Sand stone 24 x 15 x 6 ins. 18 ins. in the ground for Cor. to Secs. 20, 21, 28 and 29, marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. from which |
| | A Pine 14 ins. diam. bears S. 30° E., 70 lks. dist. marked T. 31 N., R. 54 W., S., 28 B. T. |
| | A Pine 14 ins. diam. bears S. 45° W., 47 lks. dist. marked T. 31 N., R. 54 W., S., 29 B. T. |
| | A Pine 12 ins. diam. bears N. 87° W., 97 lks. dist. marked T. 31 N., R. 54 W., S., 20 B. T. |
| | A Pine 16 ins. diam. bears N. 18° E., 57 lks. dist. marked T. 31 N., R. 54 W., S., 21 B. T. |

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

| Chains | East, on a random line between Sections 21 and 28. Variation 15° 30' East. |
|---|---|
| | Descend. |
| 28.00 | Foot of Ridge, in dry Creek, course S.E. and ascend. |
| 39.50 | Top of Spur, bears N. and S. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 43.00 | Foot of Spur, and ascend. |
| 51.00 | Top of Spur, bears N. and S. and descend. |
| 80.74 | Intersect N. & S. line, 19 lks. South of cor. to secs. 21, 22, 27 and 28, from which corner, I run S. 89° 52' W. on a true line between sections 21 and 28. Variation 15° ~~45'~~ 30' East. |
| 40.37 | Set a Sandstone 18 x 10 x 10 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable. |
| 80.74 | The corner to sections 20, 21, 28 and 29. Land mountainous Soil 3rd rate. Timber of Pine, Vegetation of Bunchgrass. |



| Chains | North, between Sections 20 and 21. Variation 15° 30' East. |
|---|---|
| | Descend |
| 16.00 | Cross Ravine, Course. S.E. |
| 30.00 | Cross Ravine, Course. S.W. |
| 40.00 | Set a Sandstone 15 x 8 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. |
| 48.00 | Cross Ravine, Course. S.E. and ascend. |
| 63.00 | Top of Ridge, bears N.W. and S.E. |
| 65.00 | Descend. Leave Pine timber, bears N.E. and S.W. |
| 80.00 | Set a Sandstone 16 x 10 x 6 ins. 11 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. |
| | Land 48.00 chs. mountainous and 32.00 chs. Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 16 and 21. Variation 15° 30' East. |
|---|---|
| 8.00 | Cross Ravine, Course. S.E. and ascend. |
| 8.75 | Enter Pine timber, bears N. and S. |
| 15.00 | Leave Pine timber, bears N. and S. |
| 32.00 | Top of Spur, bears N. and S. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 47.00 | Foot of Spur in drain course S. and ascend. |
| 63.00 | Top of Spur, bears N. and S. and descend. |
| 68.00 | Enter Pine timber, bears N.E. and S. |
| 80.50 | Intersect N. & S. line, 19 lks. North of cor. to secs. 15, 16, 21 and 22, from which corner, I run N. 89° 52' W. on a true line between sections 16 and 21. Variation 15° ~~44'~~ 30' East. |
| 40.25 | Set a Sand stone 18 x 8 x 4 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.50 | The corner to sections 16, 17, 20 and 21. |
| | Land mountainous |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 16 and 17. Variation 15° 30' East. |
|---|---|
| 9.50 | Enter Pine timber, bears N.W. and S.E. |
| 15.50 | Cross Ravine, Course. S.E. |
| 32.00 | Cross Ravine, Course. S.W. |
| 40.00 | Set a Sand stone 30 x 8 x 8 ins., 22 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | from which |
| | A Pine 6 ins. diam. bears S. 60° E., 6 lks. dist. marked ¼ S. B. T. |
| | A Pine 7 ins. diam. bears N. 15° E., 21 lks. dist. marked ¼ S. B. T. |
| 45.50 | Cross Ravine, Course. S.E. and ascend. |
| 47.00 | Leave Pine timber, bears E. and W. |
| 80.00 | Set a Sand stone 18 x 13 x 10 ins. 12 ins. in the ground for Cor. to Secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous 34.50 chs. and 45.50 chains Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 9 and 16. |
|---|---|
| | Variation 15° 30' East. |
| 30.00 | Top of Divide, bears N. 80° W. and S. 80° E. |
| 40.00 | Set temporary ¼ sec. cor. and descend. |
| 80.35 | Intersect N. & S. line, 18 lks. North of cor. to secs. 9, 10, 15 and 16, from which corner, I run N. 89° 52' W. on a true line between sections 9 and 16, |
| | Variation 15° ~~40'~~ 30' East. |
| 40.17 | Set a Sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.35 | The corner to sections 8, 9, 16 and 17. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 8 and 9. |
|---|---|
| | Variation 15° 30' East. |
| 20.00 | Top of Divide, bears N.W. and S.E. |
| 40.00 | Set a Sand stone 15 x 10 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sand stone 20 x 12 x 4 ins. 15 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 and raised a mound of stone. Pits impracticable. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |
| | September 4th 1882. |

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 4 and 9. Variation 15° 30' East. |
|---|---|
| 12.00 | Cross Ravine, Course. N. and ascend. |
| 34.00 | Top of Ridge, bears N. and S. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 45.00 | Enter Pine timber, bears N. and S. |
| 51.00 | Foot of Ridge, bears N. and S. and ascend. |
| 56.00 | Top of Spur, bears N. and S. and descend. |
| 61.75 | Foot of Spur in drain course N. |
| 71.00 | Leave Pine timber, bears N. and S. |
| 80.47 | Intersect N. & S. line, 43 lks. North of cor. to secs. 3, 4, 9 and 10, from which corner, I run N. 89° 42' W. on a true line between sections 4 and 9, Variation 15° ~~45~~ 30' East. |
| 40.23 | Set a Sand stone 16 x 10 x 3 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.47 | The corner to sections 4, 5, 8 and 9. Land 61.75 chs. mountainous and 18.72 chs. rolling. Soil 2nd rate. Timber of Pine. Vegetation of Bunchgrass. |



Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, on a random line between Sections 4 and 5. Variation 15° 30' East. |
|---|---|
| 36.00 | Enter Pine timber, bears W. and S.E. |
| | Cross Ravine, Course. E. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 42.00 | Top of Hill bears E. and W. Leave Pine timber. |
| 79.82 | Intersect N.B. of Tp. 30 lks. West of cor. to secs. 4, 5, 32 and 33, from which corner, I run S. 13' W. on a true line, between sections 4 and 5. Variation 15° 30' East. |
| 39.82 | Set a Sand stone 20 x 12 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable. |
| 79.82 | The corner to sections 4, 5, 8 and 9. Land broken, Soil 3rd rate Vegetation of Bunchgrass. Timber of Pine. |

Township 31 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 31 and 32. |
|---|---|
| | Variation 15° 45' East. |
| 19.00 | Cross Gulch, 25 lks. wide, Course N.E. |
| 25.00 | Cross road from Fort Robinson to Fort Laramie, course N.W. and E. |
| 28.00 | Cross White River, 30 lks. wide, Course E. |
| 40.00 | Set a Sandstone 16 x 8 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sandstone 18 x 14 x 5 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 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |



Township 31 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 29 and 32. |
|---|---|
| | Variation 15° 30' East. |
| 5.00 | Enter Pine timber, bears N. and S. and ascend. |
| 8.00 | Top of Spur, bears N. and S. and descend. |
| 14.00 | Leave Pine timber. |
| | Cross Ravine, Course. S. and ascend. |
| 30.00 | Top of Spur, bears N.W. and S.E. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 55.00 | Enter Pine timber, bears N.W. and S. |
| 63.00 | Cross Ravine, Course. S. and ascend. |
| 80.60 | Intersect N. & S. line, 42 lks. North of cor. to secs. 28, 29, 32 and 33 from which corner, I run N. 89° 42' W. on a true line between sections 29 and 32. Variation 15° 30' East. |
| 40.30 | Set a Sandstone 15 x 12 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.60 | The corner to sections 29, 30, 31 and 32. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 30 and 31. Variation 15° 30′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 79.03 | Intersect W.B. of Tp. 32 lks. North of cor. to secs. 25, 30, 31 & 36, from which corner, I run N. 89° 46′ E. on a true line, between sections 30 and 31, Variation 15° 30′ East. |
| 39.03 | Set a Sand stone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.03 | The corner to sections 29, 30, 31 and 32. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian

| Chains | North, between Sections 29 and 30. Variation 15° 30′ East. |
|---|---|
| | Ascend. |
| 11.00 | Top of Bluff, bears N.W. and S.E. |
| 40.00 | Set a Sand stone 18 x 10 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable. |
| 49.00 | Cross Gulch, 25 lks. wide, Course S.E. |
| 80.00 | Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | A Pine 5 ins. diam. bears N. 52° E., 15 lks. dist. from which marked T. 31 N., R. 54 W., S., 20 B. T. |
| | A Pine 6 ins. diam. bears S. 20° E., 35 lks. dist. marked T. 31 N., R. 54 W., S., 29 B. T. |
| | A Pine 4 ins. diam. bears S. 85° W., 35 lks. dist. marked T. 31 N., R. 54 W., S., 30 B. T. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pines |
| | Sept. 5th 1882. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 20 and 29. Variation 15° 30′ East. |
|---|---|
| 37.00 | Top of Ridge, bears N.W. and S.E. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 50.00 | Foot of Ridge, bears N. and S. and ascend. |
| 68.00 | Top of Ridge, bears N.W. and S.E. and descend. |
| 80.65 | Intersect N. & S. line, 14 lks. North of cor. to secs. 20, 21, 28 & 29, from which corner, I run N. 89° 54′ W. on a true line between sections 20 and 29. Variation 15° 30′ East. |
| 40.32 | Set a Sandstone 18 x 14 x 3 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.65 | The corner to sections 19, 20, 29 and 30. Land rolling. Soil 2nd rate Vegetation of Bunchgrass. Timber of Pine. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 19 and 30. Variation 15° 30′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 48.00 | Cross Gulch, 25 lks. wide, Course S.E. |
| 79.51 | Intersect W.B. of Tp. 30 lks. South of cor. to secs. 19, 24, 25 & 30, from which corner, I run S. 89° 47′ E. on a true line, between sections 19 and 30. Variation 15° 30′ East. |
| 39.51 | Set a Sandstone 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.51 | The corner to sections 19, 20, 29 and 30. Land rolling. Soil 2nd rate Vegetation of Bunchgrass. Timber of Pine. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 19 and 20. Variation 15° 30' East. |
|---|---|
| | Leave Pine timber, bears N.E. and S.W. |
| 40.00 | Set a Sandstone 14 x 12 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 61.00 | Ascend. S. side of Butte. |
| 78.00 | Top of Butte, bears E. and W. and descend. |
| 80.00 | Set a Sandstone 16 x 10 x 8 ins. 11 ins. in the ground for Cor. to Secs. 17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 17 and 20. Variation 15° 30' East. |
|---|---|
| 19.00 | Enter Pine timber, bears N.E. & S. and descend. |
| 36.00 | Foot of Butte, in drain, course S.E. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 42.00 | Leave Pine timber, bears N.W. and S.E. |
| 69.00 | Top of Ridge, bears N.W. and S.E. |
| 80.19 | Intersect N. & S. line, 27 lks. North of cor. to secs. 16, 17, 20 & 21, from which corner, I run N. 89° 48' W. on a true line between sections 17 and 20. Variation 15° 30' East. |
| 40.09 | Set a Sandstone 20 x 12 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.19 | The corner to sections 17, 18, 19 and 20. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 18 and 19. Variation 15° 30′ East. |
|---|---|
| | Descend. |
| 30.00 | Base of Butte, bears N. and S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 80.20 | Intersect WB. of Tp. 48 lks. Butte of cor. to secs. 13, 18, 19 & 24, from which corner, I run S. 89° 39′ E. on a true line, between sections 18 and 19, Variation 15° 30′ East. |
| 40.20 | Set a Sandstone 16 x 10 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.20 | The corner to sections 17, 18, 19 and 20. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 17 and 18. Variation 15° 30′ East. |
|---|---|
| 30.00 | Base of Butte in drain, course E. |
| 40.00 | Set a Sandstone 16 x 6 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 52.00 | Cross Ravine, Course. S. E. |
| 80.00 | Set a Sandstone 18 x 10 x 8 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 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |
| | I carefully examined the adjustments of my solar compass to-day; particularly the latitude and reversing apparatus, and found them correct. Sept. 6th 1882. |

Township 31 North Range 54 West

6th Principal Meridian

| Chains | East, on a random line between Sections 8 and 17. Variation 15° 30′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 57.00 | Cross Ravine, Course. S. E. and ascend. |
| 79.62 | Intersect N. & S. line, 25 lks. North of cor. to secs. 8, 9, 16 and 17, from which corner, I run N. 89° 49′ W. on a true line between sections 8 and 17, Variation 15° 30′ East. |
| 39.81 | Set a Sand stone 22 x 14 x 2 ins., 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.62 | The corner to sections 7, 8, 17 and 18. Land rolling. Soil 2nd rate Vegetation of Bunchgrass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 7 and 18. Variation 15° 30′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 49.00 | Cross Ravine, Course. S. E. |
| 80.54 | Intersect W. B. of Tp. 55 lks. South of cor. to secs. 7, 12, 13 & 18, from which corner, I run S. 89° 36′ E. on a true line, between sections 7 and 18, Variation 15° 30′ East. |
| 40.54 | Set a Sand stone 14 x 10 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable. |
| 80.54 | The corner to sections 7, 8, 17 and 18. Land rolling. Soil 3rd rate Vegetation of Bunchgrass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 7 and 8. Variation 15° 30' East. |
|---|---|
| 9.00 | Cross Wash, 50 lks. wide, Course S.E. and ascend. |
| 21.00 | Top of Bluff, bears N.W. and E. |
| 40.00 | Set a Sand stone 14 x 10 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sand stone 24 x 8 x 8 ins. 18 ins. in the ground for Cor. to Secs. 5, 6, 7 and 8, marked with 5 notch es on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunch grass. |



Township 31 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 5 and 8. Variation 15° 30' East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 79.73 | Intersect N. & S. line, 31 lks. North of cor. to secs. 4, 5, 8 and 9, from which corner, I run N. 89° 47' W. on a true line between sections 5 and 8. Variation 15° 30' East. |
| 39.86 | Set a Sand stone 16 x 10 x 8 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.73 | The corner to sections 5, 6, 7 and 8. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunch grass. |

Township 31 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 6 and 7. Variation 15° 30' East. |
|---|---|
| 11.00 | Descend. Bluff, bears N. and S. |
| 38.00 | Bottom of Bluff, bears N. and S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 80.73 | Intersect W. B. of Tp. 28 lks. South of cor. to secs. 1, 6, 7 & 12, from which corner, I run S. 89° 48' E. on a true line, between sections 6 and 7. Variation 15° 30' East. |
| 40.73 | Set a Sand stone 16 x 9 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.73 | The corner to sections 5, 6, 7 and 8. Land rolling. Soil 3rd rate Vegetation of Bunchgrass. |

Township 31 North Range 54 West



6th Principal Meridian.

| Chains | North, on a random line between Sections 5 and 6. Variation 15° 30' East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 42.50 | Cross Wash, 50 lks. wide, Course N. E. |
| 80.34 | Intersect N.B. of Tp. 47 lks. East of cor. to secs. 5, 6, 31 & 32, from which corner, I run S. 20' E. on a true line, between sections 5 and 6. Variation 15° 30' East. |
| 40.34 | Set a Sand stone 16 x 8 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.34 | The corner to sections 5, 6, 7 and 8. Land rolling. Soil 2nd rate Vegetation of Bunchgrass. Sept. 7th 1882 |

# GENERAL DESCRIPTION.

The land in this Township is generally mountainous and rolling.
The Soil is 2nd and 3rd rate and it is principally valuable for the Pine timber which is found in considerable quantities especially in the East and S. E. part.
There is some land along Soldier Creek and White River, which is capable of cultivation, without irrigation.
The Township is well watered by the above named streams and their tributaries
The road from Fort Robinson to Fort Laramie, crosses the township.
There is a settlement in Secs. 31 and 32.
Bunchgrass is found in all parts of the Tp. and is valuable for grazing purposes.

# U. S. Surveyor General's Office.

Plattsmouth Neb. Feb. 5th 1883

*The foregoing Field Notes of the surveys of*

the Subdivisional lines of fractional Township No 31 North, Range No 14 West of the Principal Base and Meridian

*in the State of* Nebraska *executed by*

Charles Buchanan

*U. S. Deputy Surveyor, under his contract, dated* November 11th 1881, in the Months of May & Sept 1882

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

Geo. S. Smith

*U. S. Surveyor-General for*

Charles Buchanan Deputy Surveyor.

**T.** 32 **North R.** 54 **West.**

6th Principal Meridian.

# FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 32 North Range 54 West

6th Principal Meridian.

BY

Charles Buchanan, Deputy Surveyor.

Under his Contract of November 11th 1881

Survey Commenced May 29th 1882.

Survey Completed June 5th 1882.

*Platted,*
*Copied for Washington,*
*Copied for Register,*

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

Township 32 North, Range 5 W West

6th Principal 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 ..... North ..... Range ..... West

..... 6th Principal Meridian.

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

..... 6th Principal Meridian.

| Chains | |
|---|---|
| | From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36. |
| | Variation East. |



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

..... 6th Principal Meridian.

| Chains | |
|---|---|
| | East, on a random line between Sections 25 and 36. |
| | Variation East. |

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

Township 32 North Range 54 West

(See previous page.)

6th Principal Meridian.

Chains

~~North, between Sections 25 and 26.~~

~~Variation East.~~

From the corner to sections, 24, 25, 19 & 30 on E. B. of H. Irun

West. on a true line between sections 24 & 25.

Va. 15°45' East.

Ascend.

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

40.00 Set a Sand stone 24 x 6 x 5 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

from which

A Pine 5 ins. diam. bears S. 85° E., 10 lks. dist. marked ¼ S. B. T.

49.00 Cross Gulch, 50 lks. wide, Course S. W. and ascend.

80.00 Set a Sand stone 24 x 8 x 6 ins. 18 ins. in the ground for Cor. to Secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

from which

A Pine 3 ins. diam. bears S. 45° W. 8 lks. dist. marked T. 32 N., R. 54 W., S., 26 B. T.

A Pine 4 ins. diam. bears N. 60° W. 26 lks. dist. marked T. 32 N., R. 54 W., S., 23 B. T.

A Pine 2 ins. diam. bears N. 65° E., 44 lks. dist. marked T. 32 N., R. 54 W., S., 24 B. T.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation of Bunchgrass.



Township 32 North Range 54 West

6th Principal Meridian.

Chains

~~East, on a random line between Sections 24 and 25.~~

~~Variation East.~~

South on a true line between sections 25 & 26.

Va. 15° 10' East.

12.20 Enter Fort Robinson Wood Reservation at a point 21. 18 chs. West of Post Number 3, and

Set a Sand stone 14 x 10 x 5 ins. 9 ins. in the ground for Closing Cor. to previous Secs. 25 and 26 marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. N. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. from which A Pine 20 ins. dia., bears N. 2° W., 19 lks. dist., marked T. 32 N., R. 54 W., S. 26 B. T.

A Pine 8 ins. diam. bears S. 70° W., 37 lks. dist. marked T. 32 N., R. 54 W., U. S. M. R. B. T.

Land Rolling.

Soil 3rd rate.

Timber of Pine.

Vegetation of Bunchgrass.

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 23 and 24. Variation 18° 10′ East. |
|---|---|
| 40.00 | Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sand stone 28 x 10 x 6 ins. 21 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone. Pits impracticable. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 13 and 24. Variation 18° 10′ East. |
|---|---|
| 38.00 | Leave timber, bears N.W. and S.E. |
| 40.00 | Set temporary ¼ sec. cor. |
| 56.00 | Ascend. W. slope. |
| 65.00 | Top of Spur, bears N. and S. and descend. |
| 79.83 | Intersect E. B. of Tp. 30 lks. North of cor. to secs. 13, 18, 19 & 24, from which corner, I run N. 89° 47′ W. on a true line, between sections 13 and 24. Variation 18° ~~45′~~ 10′ East. |
| 39.91 | Set a Sandstone 16 x 8 x 4 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.83 | The corner to sections 13, 14, 23 and 24. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 13 and 14. |
|---|---|
| | Variation 15° 10′ East. |
| 40.00 | Set a Sand stone 14 x 10 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 55.00 | Cross Gulch, 50 lks. wide, Course N.E. and ascend. |
| 68.00 | Top of Spur, bears E. and W. and descend. |
| 75.00 | Cross Gulch, 50 lks. wide, Course N.E. and ascend. |
| 80.00 | Set a Sand stone 12 x 10 x 7 ins. 8 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14, marked with 4 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | from which |
| | A Pine 24 ins. diam. bears N. 40° W, 30 lks. dist. |
| | marked T. 32 N, R. 54 W, S., 11 B. T. |
| | A Pine 12 ins. diam. bears N. 70° E, 63 lks. dist. |
| | marked T. 32 N, R. 54 W, S., 12 B. T. |
| | Land 25.00 chs. mountainous and 55.00 chs. Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 12 and 13. |
|---|---|
| | Variation 15° 30′ East. |
| 18.00 | Top of Spur, bears N. and S. and descend. |
| 37.00 | Cross Gulch, 25 lks. wide, Course S.E. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 79.25 | Intersect E. B. of Tp. 20 lks. North of cor. to secs. 7, 12, 13 & 18, from which corner, I run N. 89° 51′ W. on a true line, between sections 12 and 13, |
| | Variation 15° ~~45′~~ 30′ East. |
| 39.62 | Set a Sand stone 18 x 10 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.25 | The corner to sections 11, 12, 13 and 14. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |
| | May 29th 1882. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 11 and 12. Variation 15° 30' East. |
|---|---|
| 7.00 | Top of Spur, bears E. and W. and descend. |
| 15.00 | Cross Ravine, Course. S. W. and ascend. |
| 40.00 | Set a Sandstone 14 x 12 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable, on |
| | Top of Ridge, bears N.E. and S. W. and descend. |
| 64.00 | Cross Cottonwood Creek, 10 lks. wide, Course N.E. and ascend. |
| 80.00 | Set a Sandstone 18 x 8 x 5 ins. 12 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12, marked with 5 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 1 and 12. Variation 15° 30' East. |
|---|---|
| 20.00 | Foot of Ridge, bears N. and S. |
| 38.00 | Leave timber, bears N.W. and S.E. |
| 40.00 | Set temporary ¼ sec. cor. |
| 79.80 | Intersect E. B. of Tp. 51 lks. South of cor. to secs. 1, 6, 7 and 12, from which corner, I run S. 89° 38' W. on a true line, between sections 1 and 12. Variation 15° 30' East. |
| 39.65 | Set a Sandstone 16 x 8 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.80 | The corner to sections 1, 2, 11 and 12. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, on a ~~random~~ true line between Sections 1 and 2. Variation 15° 30' East. |
|---|---|
| 16.00 | Top of Spur, bears E. and W. and descend. |
| 28.00 | Cross Gulch, 25 lks. wide, Course N.E. |
| 40.00 | Set a Sand stone 14 x 8 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable. |
| 83.60 | Intersect the 8th Standard Parallel North at a point 3.70 chs. East. of the Standard Cor. to Tps. 33 N., Rs. 53 and 54 W., at which point I. |

Set a Sand stone 16 x 12 x 4 ins. 11 ins. in the ground for Closing Cor. to Secs. 1 and 2 marked C. C. with 1 notch on E. and 5 notch es on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.

Land broken.

Soil 2nd and 3rd rate

Vegetation of Bunchgrass.

Timber of Pine.



Township North Range West

6th Principal Meridian.

| Chains | North, between Sections 34 and 35. Variation East. |
|---|---|

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

..... 6th Principal Meridian.

| Chains | East, on a random line between Sections 26 and 35. |
|---|---|
| | Variation East. |



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

..... 6th Principal Meridian.

| Chains | From the corner to sections, 23, 24, 25 & 26, 9 mm |
|---|---|
| | West. on a true line between sections 23 & 26 |
| | Variation 15° 10' East. |
| 18.00 | Foot of Spur, bears N. & S. and ascend. |
| 25.00 | Top of Spur, bears N. and S. and descend. |
| 30.00 | Cross Ravine, Course. S. and ascend. |
| 32.00 | Fort Robinson on Hat Creek Telegraph line, bears N.W. and S.E. |
| 36.00 | Crossroad from Ft. Robinson to Hat Cr. bears N.W. & S.E. |
| 40.00 | Set a Dana stone 20 x 14 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 10 ins. diam. bears S. 40° E., 31 lks. dist. marked ¼ S. B. T. |
| | A Pine 8 ins. diam. bears S. 41° W., 40 lks. dist. marked ¼ S. B. T. |
| 48.00 | Cross Creek, 8 lks. wide, Course S.E. |
| 50.50 | Cross Creek, 8 lks. wide, Course N.E. |
| 62.00 | Cross Creek, 8 lks. wide, Course S.E. and ascend. |
| 63.00 | Cross Road, bears, N.W. and S.E. |
| 80.00 | Set a S. and stone 24 x 12 x 8 ins. 18 ins. in the ground for Cor. to Secs. 22, 23, 26 and 27, marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. from which |
| | A Pine 12 ins. diam. bears S. 15° E., 129 lks. dist. marked T. 32 N., R. 54 W., S. 26 B. T. |
| | A Pine 24 ins. diam. bears N. 15° E., 79 lks. dist. marked T. 32 N., R. 54 W., S. 23 B. T. |
| | Land mountainous and 18.00 chs. level |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | South on a ~~random~~ true line between Sections 26 and 27 |
|---|---|
| | Variation 15° 20′ East. |
| | Ascend. |
| 10.00 | Top of Spur, bears E. and W. and descend. |
| 12.40 | Enter Fort Robinson Wood Reservation, |
| | 2.98 chs. West of Post No. 5, and |
| | Set a Sand stone 14 x 10 x 8 ins. 9 ins. in the ground for Closing Cor. to fractional Secs. 26 and 27 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. N. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | from which |
| | A Pine 6 ins. diam. bears S. 39° E., 50 lks. dist. |
| | marked U. S. M. R. B. T. |
| | Land mountainous. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 22 and 23. |
|---|---|
| | Variation 15° 20′ East. |
| 23.00 | Foot of Ridge, bears E. and W. |
| 24.00 | Cross wood road, in dry bed of Soldier |
| | Creek, course N. W. and S. E. and ascend. |
| 34.00 | Top of Spur, bears E. and W. and descend. |
| 40.00 | Set a Sand stone 14 x 8 x 8 ins., 9 |
| | ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. |
| | face, dug pits, 18 x 18 x 12 ins., E. and W. of stone |
| | 5½ ft. dist., and raised a mound of earth 1½ ft. high, |
| | 3½ ft. base. from which |
| | A Pine 24 ins. diam. bears S. 45° E., 95 lks. dist. |
| | marked ¼ S. B. 1. |
| | A Pine 30 ins. diam. bears N. 25° E., 79 lks. dist. |
| | marked ¼ S. B. T. |
| 44.00 | Cross Ravine, Course. S. E., and ascend. |
| 60.00 | Top of Divide, bears N. E. and S. W. |
| 80.00 | Set a Sand stone 24 x 8 x 6 ins. 18 ins. in |
| | the ground for Cor. to Secs. 14, 15, 22 and 23, marked |
| | with 3 notches on S. and 2 notches on E. edges, dug pits |
| | 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a |
| | mound of earth 2 ft. high 4½ ft. base. from which |
| | A Pine 16 ins. diam. bears N. 22° E., 56 lks. dist. |
| | marked T. 32 N. R. 54 W., S., 14 B. T. |
| | A Pine 20 ins. diam. bears N. 35° W., 74 lks. dist. |
| | marked T. 32 N. R. 54 W., S., 15 B. T. |
| | A Pine 20 ins. diam. bears S. 45° W., 68 lks. dist. |
| | marked T. 32 N. R. 54 W., S., 22 B. T. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 14 and 23. Variation 15° 20' East. |
|---|---|
| 2.00 | Leave Pine timber, bears N.W. and S. |
| 6.00 | Fort Robinson and Hat Creek Telegraph line, course N.W. and S.E. |
| 19.50 | Cross road from Fort Robinson to Hat Creek, course N.W. and S.E. |
| 26.00 | Enter Pine timber, bears N. and S. |
| 39.00 | Cross Ravine, Course. S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 80.27 | Intersect N. & S. line, 50 lks. North of cor. to secs. 13, 14, 23 & 24, from which corner, I run N. 89° 39' W. on a true line between sections 14 and 23. Variation 15° 20' East. |
| 40.13 | A Pine 20 ins. diam. which I marked ¼ S. on N. face, for ¼ sec. cor., dug pits, 18 x 18 x 12 ins. N. and S. of tree, 5½ ft. dist. and raised a mound of earth around tree. from which |
| | A Pine 10 ins. diam. bears S. 4° E., 22 lks. dist. marked ¼ S. B. T. |
| | A Pine 20 ins. diam. bears S. 80° E., 28 lks. dist. marked ¼ S. B. T. |
| 80.27 | The corner to sections 14, 15, 22 and 23. Land rolling. Soil 3rd rate Vegetation of Bunchgrass. Timber of Pine. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 14 and 15. Variation 15° 20' East. |
|---|---|
| 1.00 | Cross Ravine, Course. S.W. |
| 2.00 | Leave Pine timber, bears N.W. and S.E. |
| 9.00 | Fort Robinson and Hat Creek Telegraph line, bears N.W. and S.E. |
| 40.00 | Set a Sandstone 30 x 14 x 3 ins., 22 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 40.20 | Cross road from Fort Robinson to Hat Creek, bears N.W. and S.E. |
| 58.00 | Ascend. S. slope of Divide. |
| 75.00 | Top of Divide, between Cottonwood and Soldier Creek, bears E. and W. |
| 80.00 | Set a Sandstone 28 x 10 x 6 ins. 21 ins. in the ground for Cor. to Secs. 10, 11, 14 and 15, marked with 4 notch s on S. and 2 notch s on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. 63.00 and 17.00 chs. mountainous |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 11 and 14. |
|---|---|
| | Variation 15° 20' East. |
| 38.00 | Enter Pine timber, bears N. and S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 50.00 | Descend. E. slope of Divide. |
| 70.00 | Cross Ravine, Course. N. E. and ascend. |
| 80.15 | Intersect N. & S. line, 44 lks. North of cor. to secs. 11, 12, 13 & 14, from which corner, I run N. 89° 41' W. on a true line between sections 11 and 14. |
| | Variation 15° ~~20~~ 30' East. |
| 40.07 | Set a Sand stone 16 x 6 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 10 ins. diam. bears S. 45° E., 10 lks. dist. marked ¼ S. B. T. |
| | A Pine 8 ins. diam. bears S. 45° W., 10 lks. dist. marked ¼ S. B. T. |
| 80.15 | The corner to sections 10, 11, 14 and 15. |
| | Land 30.15 chs. mountainous and 50.00 chs. level |
| | Soil 2nd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |
| | I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. May 30th 1882. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 10 and 11. |
|---|---|
| | Variation 15° 20' East. |
| 30.00 | Enter Pine timber, bears N. W. and S. E. and descend. |
| 40.00 | Set a Sand stone 20 x 10 x 8 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 14 ins. diam. bears W. 39 lks. dist. marked ¼ S. B. T. |
| 43.00 | Enter dense Pine timber, bears E. and W. |
| 46.00 | Cross Canon, ~~lks. wide~~, Course N. E. and ascend. |
| 49.00 | Top of Spur, bears E. and W. and descend. |
| 55.00 | Cross Canon, lks. wide, Course N. W. and ascend. |
| 58.50 | Bottom of Cañon, course N. E. and ascend |
| 70.00 | Top of Spur, bears E. and W. and descend. |
| 80.00 | Set a Sand stone 30 x 16 x 3 ins. 22 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 and raised a mound of stone. Pits impracticable. from which |
| | A Pine 12 ins. diam. bears N. 44° W., 86 lks. dist. marked T. 32 N., R. 54 W., S., 3 B. T. |
| | A Pine 14 ins. diam. bears S. 45° E., 65 lks. dist. marked T. 32 N., R. 54 W., S., 11 B. T. |
| | A Pine 14 ins. diam. bears N. 50° E., 86 lks. dist. marked T. 32 N., R. 54 W., S., 2 B. T. |
| | A Pine 10 ins. diam. bears S. 50° W., 62 lks. dist. marked T. 32 N., R. 54 W., S., 10 B. T. |
| | in bottom of Cañon, bears E. and W. |
| | Land mountainous |
| | Soil 4th rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 2 and 11. Variation 15° 25' East. |
|---|---|
| | Along S. slope of high ridge. |
| 22.00 | Cross Ravine, Course. S. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 79.60 | Intersect N. & S. line, 25 lks. South of cor. to secs. 1, 2, 11 and 12, from which corner, I run S. 89° 48' W. on a true line between sections 2 and 11. Variation 15° 25' East. |
| 39.80 | A Pine 14 ins. diam. which I marked ¼ S. on N. face, for ¼ sec. cor., dug pits, 18 x 18 x 12 ins. N. and S. of tree, 5½ ft. dist. and raised a mound of earth around tree. from which |
| | A Pine 20 ins. diam. bears S. 80° W., 18 lks. dist. marked ¼ S. B. T. |
| | A Pine 16 ins. diam. bears S. 20° E., 16 lks. dist. marked ¼ S. B. T. |
| 79.60 | The corner to sections 2, 3, 10 and 11. |
| | Land mountainous |
| | Soil 4th rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian

| Chains | North, on a ~~random~~ true line between Sections 2 and 3. Variation 15° 25' East. |
|---|---|
| | Ascend. |
| 12.00 | Top of Ridge, bears E. and W. |
| 30.00 | Learn Pine timber, bears N.W. and S.E. |
| 40.00 | Set a Sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 70.00 | Enter Pine timber in head of Canon, course S.E. |
| 88.70 | Intersect the 8th Standard Parallel North at a point 4.76 chs. East. of the Standard Cor. to Secs. 35 and 36. T. 33 N., R. 54 W. at which point I. |
| | Set a Sand stone 16 x 12 x 6 ins. 11 ins. in the ground for Closing Cor. to Secs. 2 and 3 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land rolling. |
| | Soil 4th rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 32 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 33 and 34. Variation 15° 30' East. |
|---|---|
| | Ascend. |
| 10.00 | Top of Spur, bears E. and W. and descend. |
| 18.00 | Cross Ravine, Course. S. W. |
| 20.00 | Leave Pine timber, bears N.E. and W. |
| 40.00 | Set a Sand stone 14 x 10 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sand stone 18 x 12 x 5 ins. 12 ins. in the ground for Cor. to Secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land 62.00 chs. rolling and 18.00 chs. mountainous, |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |



Township 32 North Range 54 West
6th Principal Meridian.

| Chains | East, on a ~~random~~ true line between Sections 27 and 34. Variation 15° 10' East. |
|---|---|
| 40.00 | Set a Sand stone 18 x 18 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 55.15 | Enter Fort Robinson Wood Reservation, 11.75 chs. South of Post Number 7, and |
| | Set a Sand stone 16 x 9 x 7 ins. 11 ins. in the ground for Closing Cor. to Fractional Secs. 27 and 34 marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. S. N., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 27 and 28. Variation 18° 10′ East. |
|---|---|
| 40.00 | Set a Sandstone 14 x 12 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 50.00 | Top of Divide, bears N.W. and S.E. and descend. |
| 80.00 | Set a Sandstone 18 x 6 x 6 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 and raised a mound of stone. Pits impracticable. from which |
| | A Pine 6 ins. diam. bears S. 85° W., 42 lks. dist. marked T. 32 N., R. 54 W., S., 28 B. T. |
| | A Pine 3 ins. diam. bears N. 70° W., 30 lks. dist. marked T. 32 N., R. 54 W., S., 21 B. T. |
| | Land mountainous 30.00 chs. and 50.00 chs. level. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East on a random line between Sections 22 and 27. Variation 18° 10′ East. |
|---|---|
| | Descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 47.00 | Enter Pine timber and |
| | Cross Ravine, Course. N. and ascend. |
| 79.50 | Intersect N. & S. line, 48 lks. North of cor. to secs. 22, 23, 26 & 27, from which corner, I run N. 89° 39′ W. on a true line between sections 22 and 27. Variation 18° 10′ East. |
| 39.75 | Set a Sandstone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.80 | The corner to sections 21, 22, 27 and 28. |
| | Land Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 21 and 22. Variation 15° 10' East. |
|---|---|
| 28.00 | Cross Gulch, 50 lks. wide, Course S.E. and ascend. |
| 34.00 | Top of Spur, bears E. and W. and descend. |
| 40.00 | Set a Sand stone 14 x 7 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 49.00 | Cross Creek, ~~lks. wide~~, Course S.E. and ascend. |
| 61.00 | Top of Spur, bears E. and W. and descend. |
| 77.00 | Cross Ravine, Course. S.E. and ascend. |
| 80.00 | Set a Sand stone 16 x 10 x 8 ins. 11 ins. in the ground for Cor. to Secs. 15, 16, 21 and 22, marked with 3 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |

52.00 lks. and 28.00 lks. Rolling

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation of Bunchgrass.

May 31st 1882.



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 15 and 22. Variation 15° 10' East. |
|---|---|
| 12.00 | Cross Gulch, 25 lks. wide, Course S.E. and ascend. |
| 30.00 | Top of Spur, bears N. and S. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 50.00 | Cross Gulch, 50 lks. wide, Course S.E. and ascend. |
| 79.64 | Intersect N. & S. line, 35 lks. North of cor. to secs. 14, 15, 22 & 23, from which corner, I run N. 89° 45' W. on a true line between sections 15 & 22. Variation 15° 10' East. |
| 39.82 | Set a Sand stone 18 x 7 x 5 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |

from which

A Pine 14 ins. diam. bears S. 70° E., 8 lks. dist. marked ¼ S. B. T.

A Pine 22 ins. diam. bears N. 40° W., 11 lks. dist. marked ¼ S. B. T.

79.64 The corner to sections 15, 16, 21 and 22.

Land mountainous

Soil 3rd rate.

Timber of Pine.

Vegetation of Bunchgrass.

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 15 and 16. Variation 15° 10' East. |
|---|---|
| 27.00 | Top of Divide, bears N.W. and S.E. |
| 40.00 | Set a Sandstone 20 x 7 x 5 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.00 | Fort Robinson and Hat Creek Telegraph line, bears N.W. and S.E. |
| 80.00 | Set a Sandstone 26 x 10 x 6 ins. 19 ins. in the ground for Cor. to Secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised mound of earth 2 ft. high 4½ ft. base. |
| | 53.00 Chs 2700 Chs |
| | Land rolling. and mountainous. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 10 and 15. Variation 15° 10' East. |
|---|---|
| 25.00 | Fort Robinson and Hat Creek road, bears N.W. & S.E. |
| 27.00 | Top of Divide, bears N.W. & S.E. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 45.00 | Cross Ravine, Course. N.E. |
| 79.82 | Intersect N. & S. line, 24 lks. North of cor. to secs. 10, 11, 14 and 15, from which corner, I run N.89° 50' W. on a true line between sections 10 and 15. Variation 15° 10' East. |
| 39.91 | Set a Sandstone 24 x 10 x 7 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.82 | The corner to sections 9, 10, 15 and 16. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 9 and 10. Variation 15° 10' East. |
|---|---|
| 5.00 | Cross road from Fort Robinson to Hat Creek, course N.W. and E. |
| 28.00 | Top of Divide, bears N.W. and S.E. ~~and~~ descend. and Enter timber, bears N.E. and W. |
| 40.00 | Set a Sand stone 16 x 8 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 58.00 | Cross Ravine, Course. N.E. and ascend. |
| 80.00 | Set a Sand stone 22 x 12 x 6 ins. 16 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land 52.00 mountainous. and 28.00 lks. Coal. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East on a random line between Sections 3 and 10. Variation 14° 30' East. |
|---|---|
| 24.00 | Cross Gulch, 50 lks. wide, Course N.E. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 65.00 | Bottom of Ridge bears N.W. and S.E. |
| 79.85 | Intersect N. & S. line, 10 lks. South of cor. to secs. 2, 3, 10 and 11, from which corner, I run S. 89° 56' W. on a true line between sections 3 and 10. Variation ~~15°~~ 14° ~~30'~~ East. |
| 39.92 | Set a Sand stone 15 x 8 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.85 | The corner to sections 3, 4, 9 and 10. |
| | Land Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, on a ~~random~~ true line between Sections 3 and 4. Variation 14° 30' East. |
|---|---|
| | Descend. |
| 27.00 | Cross Gulch, 50 lks. wide, Course S.E. and ascend. |
| 40.00 | Set a Sand stone 15 x 8 x 4 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 48.00 | Top of Spur, bears E. and W. and descend. |
| 71.00 | Cross Ravine, Course. W. |
| 83.00 | Intersect the 8th Standard Parallel North at a point 5.59 chs. East. of the Standard Cor. to Secs. 34 and 35. T. 33 N., R. 54 W. at which point I. |
| | Set a Sand stone 20 x 12 x 8 ins. 15 ins. in the ground for Closing Cor. to Secs. 3 and 4 marked C. C. with 3 notches on E. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 32 and 33. Variation 15° 30' East. |
|---|---|
| 35.00 | Enter Pine timber, bears E. and W. |
| 40.00 | Set a Sand stone 20 x 14 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | from which |
| | A Pine 6 ins. diam. bears West, 20 lks. dist. marked ¼ S. B. T. |
| | A Pine 14 ins. diam. bears N. 50° E., 55 lks. dist. marked ¼ S. B. T. |
| 54.50 | Cross Ravine, Course. S.E. |
| 58.00 | Leave Pine timber, bears E. and W. |
| 80.00 | Set a Sand stone 24 x 20 x 4 ins. 18 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 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 132 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 28 and 33. Variation 15° 30′ East. |
|---|---|
| 31.00 | Enter Pine timber, bears N. and S. |
| 33.00 | Cross Ravine, Course. S.E. |
| 40.00 | Set temporary ¼ sec. cor. |
| 45.00 | Leave Pine timber, bears N. and S. |
| 79.53 | Intersect N. & S. line, 40 lks. North of cor. to secs. 27, 28, 33 & 34, from which corner, I run N.89° 43′ W. on a true line between sections 28 & 33. Variation 15° 30′ East. |
| 39.76 | Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | from which |
| | A Pine 10 ins. diam. bears S. 30° W., 50 lks. dist. marked ¼ S. B. T. |
| | A Pine 9 ins. diam. bears S. 28° E., 35 lks. dist. marked ¼ S. B. T. |
| 79.53 | The corner to sections 28, 29, 32 and 33. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |
| | I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. |
| | June 1st 1882. |



Township 32 North Range 54 West

6th Principal Meridian

| Chains | North, between Sections 28 and 29. Variation 15° 30′ East. |
|---|---|
| 40.00 | Set a Sand stone 24 x 10 x 6 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sand stone 36 x 24 x 6 ins. 27 ins. in the ground for Cor. to Secs. 20, 21, 28 and 29, marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 21 and 28. Variation 15° 20′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 60.00 | Descend. N.E. slope of Divide |
| 79.47 | Intersect N. & S. line, 36 lks. North of cor. to secs. 21, 22, 27 & 28, from which corner, I run N. 89° 45′ W. on a true line between sections 21 and 28. Variation 15° 20′ East. |
| 39.73 | Set a Sand stone 24 x 10 x 6 ins., 18 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.47 | The corner to sections 20, 21, 28 and 29. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 20 and 21. Variation 15° 20′ East. |
|---|---|
| 40.00 | Set a Sand stone 26 x 10 x 6 ins., 17 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 67.00 | Enter Pine timber, bears E. and W. |
| 70.50 | Cross Ravine, Course. S.E. |
| 80.00 | Set a Sand stone 16 x 12 x 8 ins. 11 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. |
| | A Pine 12 ins. diam. bears S. 5° W., 16 lks. dist. from which marked T. 32 N, R. 54 W, S., 20 B. T. |
| | A Pine 10 ins. diam. bears N. 44° E., 61 lks. dist. marked T. 32 N, R. 54 W, S., 16 B. T. |
| | Land rolling. |
| | Soil 2nd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 16 and 21. Variation 15° 20′ East. |
|---|---|
| 6.00 | Leave Pine timber, bears N. and S. |
| 36.00 | Cross Ravine, Course. N.E. |
| 40.00 | Set temporary ¼ sec. cor. |
| 41.00 | Cross dry bed of Soldier Creek, course S.E. |
| 55.00 | Cross Ravine, Course. S. and ascend. |
| 72.00 | Cross Ravine, Course. S.E. and ascend. |
| 79.46 | Intersect N. & S. line, 46 lks. North of cor. to secs. 15, 16, 21 and 22, from which corner, I run N. 89° 40′ W. on a true line between sections 16 and 21. Variation 15° 20′ East. |
| 39.73 | Set a Sand stone 16 x 12 x 4 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 8 ins. diam. bears S. 60° W., 40 lks. dist. marked ¼ S. B. T. |
| | A Pine 12 ins. diam. bears S. 70° E., 64 lks. dist. marked ¼ S. B. T. |
| 79.46 | The corner to sections 16, 17, 20 and 21. |
| | Land mountainous 24.46 and 55.00 chs. Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 16 and 17. Variation 15° 20′ East. |
|---|---|
| 12.00 | Leave Pine timber, bears N.W. and S.E. |
| 40.00 | Set a Sand stone 20 x 10 x 6 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 70.00 | Enter Pine timber, bears E. and W. and descend. |
| 80.00 | Set a Sand stone 20 x 10 x 8 ins. 15 ins. in the ground for Cor. to Secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. from which |
| | A Pine 14 ins. diam. bears S. 30° E., 26 lks. dist. marked T. 32 N., R. 54 W., S., 17 B. T. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine. |

Township 32 North Range 54 West 6th Principal Meridian.

| Chains | East, on a random line between Sections 9 and 16. Variation 15° 20' East. |
|---|---|
| | Ascend. |
| 10.00 | Top of Divide, Leave timber, bears N. and S. |
| 40.00 | Set temporary ¼ sec. cor. |
| 47.00 | Head of Ravine, Course S.E. & enter timber. |
| 57.00 | Head of Ravine, Course S.W. & leave timber. |
| 78.00 | Fort Robinson and Hat Creek Telegraph line, bears N.W. and S.E. |
| 79.40 | Intersect N. & S. line, 22 lks. North of cor. to secs. 9, 10, 15 and 16, from which corner, I run N. 89° 51' W. on a true line between sections 9 & 16. Variation 15° 20' East. |
| 39.70 | Set a Sand stone 20 x 10 x 8 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.40 | The corner to sections 8, 9, 16 and 17. Land 2000 lks. mountainous and 59.40 lks. rolling. Soil 3rd rate. Timber of Pine, Vegetation of Bunchgrass. |



Township 32 North Range 54 West 6th Principal Meridian.

| Chains | North, between Sections 8 and 9. Variation 15° 20' East. |
|---|---|
| | Impossible to follow line, as it runs over high Cliffs. Offset East 20.00 chs. to top of Divide, thence N. |
| 23.50 | Cross Ft. Robinson & Hat Creek road, course E. & W. |
| 24.00 | Ft. Robinson & Hat Creek Telegraph line, course N.W. & S.E. |
| 31.00 | Enter brakes & Pine timber, bears N.E. & S.W. |
| | Offset 20 chs. W. to true line thus |
| 40.00 | Set a Sand stone 16 x 10 x 8 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | A Pine 8 ins. diam. bears N. 80° W., marked ¼ S. B. T. — from which 70 lks. dist. |
| | A Pine 12 ins. diam. bears S. 45° W., marked ¼ S. B. T. — 62 lks. dist. |
| 41.00 | Cross Ravine, Course N.W. and ascend, |
| 49.00 | Top of Spur, bears E. and W. and descend. |
| 60.50 | Cross Canon, ~~lks. wide~~, Course N.W. and ascend. |
| 72.00 | Cross Ravine, Course S.W. & N.E. |
| 80.00 | Set a Sand stone 18 x 12 x 6 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 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | A Pine 16 ins. diam. bears S. 16° E., marked T. 32 N., R. 54 W., S. 9 B. T. — from which 67 lks. dist. |
| | A Pine 15 ins. diam. bears S. 29° W., marked T. 32 N., R. 54 W., S. 8 B. T. — 120 lks. dist. |
| | A Pine 12 ins. diam. bears N. 77° W., marked T. 32 N., R. 54 W., S. 5 B. T. — 77 lks. dist. |
| | Land mountainous |
| | Soil 4th rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 4 and 9. Variation 15° 20' East. |
|---|---|
| 2.00 | Cross Ravine, Course. S. W. and ascend. |
| 30.00 | Top of N. W. slope of Divide. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 57.00 | Cross Ravine, Course. N. E. and ascend. |
| 70.00 | Top of Spur, bears N. and S. and descend. |
| 80.15 | Intersect N. & S. line, 20 lks. South of cor. to secs. 3, 4, 9 and 10, from which corner, I run S. 89° 51' W. on a true line between sections 4 and 9. Variation ~~15° 20'~~ East. |
| 40.07 | Set a Sand stone 16 x 14 x 4 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.15 | The corner to sections 4, 5, 8 and 9. Land mountainous Soil 3rd rate. Timber of Pine, Vegetation of Bunchgrass. June 2nd 1882. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, on a ~~random~~ true line between Sections 4 and 5. Variation 15° 20' East. |
|---|---|
| | Ascend. |
| 6.00 | Perpendicular Cliff, 150 ft. high, bears S. |
| 20.00 | Top of Divide, bears E. and W. |
| 35.00 | Descend. steep N. slope. |
| 40.00 | Set a Sand stone 36 x 12 x 12 ins., 27 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. |
| | A Pine 15 ins. diam. bears S. 30° E., from which 16 lks. dist. marked ¼ S. B. T. |
| | A Pine 12 ins. diam. bears West, 22 lks. dist. marked ¼ S. B. T. |
| 44.00 | Cross Canon, ~~lks. wide~~, Course N. W. and ascend. |
| 70.00 | Cross Canon, ~~lks. wide~~, Course N. E. |
| 82.40 | Intersect the 5th Standard Parallel North at a point 6.15 chs. East. of the Standard Cor. to Secs. 33 and 34. T. 33 N. R. 54 W. at which point I. Set a Sand stone 16 x 10 x 4 ins. 11 ins. in the ground for Closing Cor. to Secs. 4 and 5 marked C. C. with 4 notches on E. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. Land mountainous Soil 4th rate. Timber of Pine Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, between Sections 31 and 32. Variation 15° 40' East. |
|---|---|
| 20.00 | Cross Ravine, Course: S. E. and ascend. |
| 40.00 | Set a Sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 55.00 | Top of Divide, bears N.W. and S.E. |
| 80.00 | Set a Sand stone 18 x 12 x 5 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 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 29 and 32. Variation 15° 10' East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 48.00 | Cross Ravine, Course. S. E. |
| 58.00 | Cross Ravine, Course. S. E. |
| 80.32 | Intersect N. & S. line, 19 lks. North of cor. to secs. 28, 29, 32 & 33, from which corner, I run N. 89° 52' W. on a true line between sections 29 and 32. Variation 15° 00' East. |
| 40.16 | Set a Sand stone 16 x 8 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.32 | The corner to sections 29, 30, 31 and 32. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 30 and 31. Variation 15° 10′ East. |
|---|---|
| 38.00 | Top of Divide, between Soldier Creek and Hat Creek, bears E. and W. and descend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 74.00 | Cross Ravine, Course. N. W. |
| 81.25 | Intersect W. B. of Tp. 40 lks. South of cor. to secs. 25, 30, 31 & 32, from which corner, I run S. 89° 43′ E. on a true line, between sections 30 and 31. Variation 15° 10′ East. |
| 41.25 | Set a Sand stone 18 x 14 x 4 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 81.25 | The corner to sections 29, 30, 31 and 32. |

Land rolling.

Soil 3rd rate

Vegetation of Bunch grass.



Township 32 North Range 54 West

6th Principal Meridian

| Chains | North, between Sections 29 and 30. Variation 15° 10′ East. |
|---|---|
| 40.00 | Set a Sand stone 12 x 8 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.00 | Set a Sand stone 26 x 10 x 5 ins. 19 ins. in the ground for Cor. to Secs. 19, 20, 29 and 30, marked with 2 notch es on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |

Land rolling.

Soil 3rd rate

Vegetation of Bunch grass.

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 20 and 29. Variation 14° 20′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 79.95 | Intersect N. & S. line, 24 lks. North of cor. to secs. 20, 21, 28 and 29, from which corner, I run N. 89° 50′ W. on a true line between sections 20 and 29. Variation 14° 20′ East. |
| 39.97 | Set a Sand stone 14 x 8 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.95 | The corner to sections 19, 20, 29 and 30. Land rolling. Soil 3rd rate Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 19 and 30. Variation 14° 20′ East. |
|---|---|
| 40.00 | Set temporary ¼ sec. cor. |
| 70.00 | Top of Divide, bears N. and S. and descend. |
| 81.00 | Intersect W.B. of Tp. 56 lks. South of cor. to secs. 19, 24, 25 & 30, from which corner, I run S. 89° 36′ E. on a true line, between sections 19 and 30. Variation 14° 20′ East. |
| 41.00 | Set a Sand stone 16 x 12 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 81.00 | The corner to sections 19, 20, 29 and 30. Land rolling. Soil 2nd rate Vegetation of Bunchgrass. |

Township 32 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 19 and 20. Variation 14° 20′ East. |
|---|---|
| 15.00 | Enter brakes and Pine timber, bears E. and W. |
| 40.00 | Set a Sandstone 16 x 9 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | from which |
| | A Pine 16 ins. diam. bears S. 60° W., 34 lks. dist. marked ¼ S. B. T. |
| | A Pine 22 ins. diam. bears N. 35° W., 42 lks. dist. marked ¼ S. B. T. |
| 58.00 | Cross Gulch, 50 lks. wide, Course S. E. and ascend. |
| 73.00 | Cross Gulch, 25 lks. wide, Course S. W. and ascend. |
| 77.00 | Top of Spur, bears E. and W. and descend. |
| 80.00 | Set a Sandstone 16 x 11 x 7 ins. 11 ins. in the ground for Cor. to Secs. 17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on E. edges and raised a mound of stone. Pits impracticable. |
| | from which |
| | A Pine 7 ins. diam. bears S. 65° W. 10 lks. dist. marked T. 32 N., R. 54 W., S., 19 B. T. |
| | A Pine 10 ins. diam. bears N. 60° W. 12 lks. dist. marked T. 32 N., R. 54 W., S., 18 B. T. |
| | A Pine 5 ins. diam. bears N. 35° E. 3 lks. dist. marked T. 32 N., R. 54 W., S., 17 B. T. |
| | Land 22.00 lks. mountainous and 58.00 lks. Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West
6th Principal Meridian.

| Chains | East, on a random line between Sections 17 and 20. Variation 14° 30′ East. |
|---|---|
| 5.00 | Cross Ravine, Course. S. E. and ascend. |
| 22.00 | Top of Spur, bears N. and S. and descend. |
| 39.00 | Cross Ravine, Course. S. E. |
| 40.00 | Set temporary ¼ sec. cor. |
| 80.29 | Intersect N. & S. line, 40 lks. North of cor. to secs. 16, 17, 20 & 21, from which corner, I run N. 89° 45′ W. on a true line between sections 17 and 20. Variation 14° 30′ East. |
| 40.14 | 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., W. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.29 | The corner to sections 17, 18, 19 and 20. |
| | Land 39.00 lks. mountainous and 41.29 lks. Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |
| | I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. |
| | June 3rd 1882. |

Township 32 North Range 54 West
6th Principal Meridian.

| Chains | West, on a random line between Sections 18 and 19. Variation 14° 30′ East. |
|---|---|
| | Descend. |
| 22.00 | Cross Creek, 3 lks. wide, Course N.W. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 48.00 | Top of Spur, bears N. and S. and descend. |
| 54.00 | Cross Ravine, Course. N. and ascend. |
| 60.00 | Top of Spur, bears N. and S. and descend. |
| 68.00 | Cross Canon, ~~lks. wide, Course~~ N.W. and ascend. |
| 81.20 | Intersect W. B. of Tp. 46 lks. South of cor. to secs. 13, 18, 19 & 24, from which corner, I run S. 89° 45′ E. on a true line, between sections 18 and 19. Variation 14° 30′ East. |
| 41.20 | Set a Sand stone 16 x 12 x 9 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 8 ins. diam. bears S. 40° W. 46 lks. dist. marked ¼ S. B. T. |
| | A Pine 12 ins. diam. bears N. 76° E. 19 lks. dist. marked ¼ S. B. T. |
| 81.20 | The corner to sections 17, 18, 19 and 20. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 17 and 18. 12 Variation 14° 30′ East. |
|---|---|
| 6.00 | Cross Gulch, 25 lks. wide, Course S.E. and ascend. |
| 22.00 | Top of Spur, bears E. and W. and descend. |
| 40.00 | Set a Sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. from which |
| | A Pine 20 ins. diam. bears N. 65° W., 15 lks. dist. marked ¼ S. B. T. |
| | A Pine 18 ins. diam. bears N. 40° E., 15 lks. dist. marked ¼ S. B. T. |
| 42.00 | Cross Gulch, 50 lks. wide, Course N.E. |
| 64.00 | Cross Creek, 5 lks. wide, Course N.W. |
| 80.00 | Set a Sand stone 20 x 16 x 5 ins. 15 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 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 42.00 lks. and 38.00 Rolling. |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | East, on a random line between Sections 8 and 17. Variation 14° 30' East. |
|---|---|
| 20.00 | Top of Butte, bears N.W. and S.E. and descend. |
| 32.00 | Cross Gulch, 50 lks. wide, Course N.W. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 50.00 | Top of Ridge, bears N. and S. and descend. |
| 80.60 | Intersect N. & S. line, 60 lks. North of cor. to secs. 8, 9, 16 and 17, from which corner, I run N. 89° 34' W. on a true line between sections 8 and 17. Variation 14° 30' East. |
| 40.30 | Set a Sand stone 14 x 12 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| | A Pine 10 ins. diam. bears S. 70° W., 50 lks. dist. marked ¼ S. B. T. |
| | A Pine 12 ins. diam. bears S. 10° E., 50 lks. dist. marked ¼ S. B. T. |
| 80.60 | The corner to sections 7, 8, 17 and 18. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 7 and 18. Variation 14° 30' East. |
|---|---|
| | Descend. |
| 19.50 | Cross Creek, 30 lks. wide, Course N.W. and ascend. |
| 40.00 | Set temporary ¼ sec. cor. |
| 43.00 | Top of Spur, bears N. and S. and descend. |
| 50.00 | Cross Ravine, Course. N.W. and ascend. |
| 60.00 | Top of Spur, bears N. and S. and descend. |
| 73.50 | Cross Creek, 4 lks. wide, Course N.W. and ascend. |
| 78.00 | Top of Spur, bears N. and S. and descend. |
| 81.10 | Intersect W. B. of Tp. 76 lks. South of cor. to secs. 7, 12, 13 & 18, from which corner, I run S. 89° 27' E. on a true line, between sections 7 and 18. Variation 14° 30' East. |
| 41.10 | Set a Sand stone 22 x 10 x 4 ins., 16 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 81.10 | The corner to sections 7, 8, 17 and 18. |
| | Land mountainous |
| | Soil 3rd rate. |
| | Timber of Pine, |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West
6th Principal Meridian.

| Chains | North, between Sections 7 and 8. Variation 14° 30' East. |
|---|---|
| 16.00 | Cross Gulch, 50 lks. wide, Course S.E. and ascend. Leave Pine timber, bears E. and W. |
| 30.00 | Top of Hill bears N.W. and S.E. and descend. |
| 40.00 | Set a Sand stone 14 x 10 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 46.00 | Cross Creek, 25 lks. wide, Course N.W. |
| 68.00 | Cross Creek, 25 lks. wide, Course S.W. |
| 70.00 | Telegraph line, bears N.W. and S.E. |
| 71.00 | Cross Fort Robinson and Hat Creek road, bears N.W. and S.E. |
| 80.00 | Set a Sand stone 24 x 8 x 5 ins. 18 ins. in the ground for Cor. to Secs. 5, 6, 7 and 8 marked with 5 notch on S. and 5 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base. |
| | Land mountainous 46.00 chs. and 34.00 chs. level |
| | Soil 3rd rate. |
| | Timber of Pine. |
| | Vegetation of Bunchgrass. |

Township 32 North Range 54 West
6th Principal Meridian.



| Chains | East, on a random line between Sections 5 and 8. Variation 14° 20' East. |
|---|---|
| 39.00 | Cross Creek, 10 lks. wide, Course N.W. |
| 40.00 | Set temporary ¼ sec. cor. |
| 79.40 | Intersect N. & S. line, 46 lks. North of cor. to secs. 4, 5, 8 and 9, from which corner, I run N. 89° 40' W. on a true line between sections 5 and 8. Variation 14° 20' East. |
| 39.70 | Set a Sand stone 14 x 10 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 79.40 | The corner to sections 5, 6, 7 and 8. |
| | Land rolling. |
| | Soil 3rd rate |
| | Vegetation of Bunchgrass. |
| | Timber of Pine |

Township 32 North Range 54 West

6th Principal Meridian.

| Chains | West, on a random line between Sections 6 and 7. Variation 14° 20' East. |
|---|---|
| 2.00 | Cross Creek; 4 lks. wide, Course S. W. |
| 29.00 | Cross Creek, 3 lks. wide, Course N. W. |
| 40.00 | Set temporary ¼ sec. cor. |
| 44.00 | Telegraph line, bears N. W. and S. E. |
| 46.50 | Cross Fort Robinson and Hat Creek road, bears N. W. and S. E. |
| 55.00 | Cross Wash, 50 lks. wide, Course N. W. |
| 68.00 | Cross Creek, 10 lks. wide, Course N. W. |
| 75.00 | Cross Creek, 10 lks. wide, Course N. E. |
| 80.49 | Intersect W. B. of Tp. 63 lks. South of cor. to secs. 1, 6, 7 & 12, from which corner, I run S. 89° 33' E. on a true line, between sections 6 and 7. Variation 14° 20' East. |
| 40.49 | Set a Sand stone 20 x 16 x 4 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 80.49 | The corner to sections 5, 6, 7 and 8. Land rolling. Soil 3rd rate Vegetation of Bunchgrass. |



Township 32 North Range 54 West

6th Principal Meridian.

| Chains | North, on a ~~random~~ true line between Sections 5 and 6. Variation 14° 20' East. |
|---|---|
| 3.00 | Cross Creek, 10 lks. wide, Course S. W. |
| 40.00 | Set a Sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. |
| 58.00 | Cross Wash, 50 lks. wide, Course N. W. |
| 81.79 | Intersect the 8th Standard Parallel North at a point 7.43 chs. East. of the Standard Cor. to Secs. 32 and 33. T. 33 N., R. 54 W., at which point I. Set a Sand stone 14 x 10 x 8 ins. 9 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notches on E. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base. Land rolling. Soil 3rd rate Vegetation of Bunchgrass. June 5th 1882. |

# GENERAL DESCRIPTION.

The land in this Township is generally rough, broken and mountainous. The soil is 2nd and 3rd rate, producing good bunchgrass.
There is a great deal of valuable timber in the Township, especially in the S. W. part.
The land in the creek valleys is 2nd rate and fit for cultivation.
The Township is well watered by Soldier Creeks and its tributaries.
The wagon road and telegraph line from Fort Robinson to Hat Creek, crosses the Tp. from S.E. and N. W.
Fort Robinson Wood Reservation occupies the S. E. part of the Township.
Nearly all the good timber in the reservation has been cut off.
There is a cabin in Sec. 23.

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Charles La Rue - - - Moundman

Subscribed and sworn to before me this 9th. day of September 1882.
Charles W. Brown
(Seal) Notary Public
Laramie Co. Wyoming Ter.

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Final Oath of Deputy.

I, Charles Buchanan, United States Deputy Surveyor, do solemnly swear, that I have, in my own proper person and with the necessary assistance, well, truly and faithfully executed the retracing Exterior Tp. Lines, 6th Standard Parallel, 6th. Guide Meridian, and the Boundaries of Fort Robinson Military and Food Reservations, and the survey of Exterior and Subdivision lines of Tps. 31 and 32 N. Rs 49-50-51-52-53 and 54 W. of 6th P. M., under my contract with Geo. S. Smith, United States Surveyor-General for Iowa and Nebraska, bearing date, Nov. 11th. 1881; that in making the said survey I have used only such instruments as were approved by the said Surveyor General, exercising due care in the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for adjustment upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public land surveys,

List of Names.

A List of the Names of the individuals employed to assist in opening, measuring or marking the lines and corners described in the foregoing Field Notes of the retracing Exterior Tp. Lines, 4th Standard Parallel, 6th Guide Meridian, the Boundaries of Fort Robinson Military and Wood Reservations & survey of the Exterior and Subdivision lines of Tps. 31 and 32 N. Rs. 49-50-51-52-53 and 54 W. 6th P. M. showing the respective capacities in which they acted.

Nathan Nicholls --- Chainman
Robert Armstrong --- Chainman
Geo. W. Werner --- Axeman
Charles La Rue --- Moundman

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Final Oath of Assistants.

We hereby certify that we assisted Charles Buchanan, Deputy Surveyor in surveying the retracing Exterior Tp. Lines, 4th Standard Parallel, 6th Guide Meridian, the Boundaries of Fort Robinson Military and Wood Reservations & the survey of the Exterior & Subdivision lines of Tps. 31 and 32 N. Rs. 49-50-51-52-53 and 54 W. 6th P. M. and that the survey has been in all respects to the best of our knowledge and belief, well and faithfully surveyed and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Nathan Nicholls --- Chainman
Robert Armstrong --- Chainman
Geo. W. Werner --- Axeman

the surveying manual, and such additional instructions as have been furnished me by or through the Surveyor General relating to the aforesaid survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field notes are the original and correct returns of the said surveys.

Charles Buchman
U.S. Deputy Surv.

Subscribed and sworn to before me this 9th day of September, 1882.

Charles W. Brown
(Seal) Notary Public.
Laramie Co. Wyoming Ter.

U. S. Surveyor General's Office.

Plattsmouth Ne E Feb. 5th 1883

The foregoing Field Notes of the surveys of the Subdivision lines of fractor Township No 32 North, of Range No 54 West, of the Principal Base & Meridian in the State of Nebraska executed by Charles Buchanan U. S. Deputy Surveyor, under his contract No 3, dated November 11th 1881, in the months of May & June 1882 having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

Geo. S. Smith
U. S. Surveyor-General for

# General Land Office • Original Field Notes

## Book Number

# 716

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

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