

GENERAL LAND OFFICE • ORIGINAL FIELD NOTES

BOOK NUMBER

669

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52

Joseph H. Fairfield

T. 33-35 N.
R. 46 W.

T. *33* N. R. *46*
of the Six



FIELD NOTES

OF

and Reconnoitring
THE SUBDIVISION LINES OF

Township *33* North, Range *46* West.

of the Sixth Principal Meridian.

BY

Joseph H. Fairfield Deputy Surveyor.

Under his Contract of *June 6th*, 18 *82*

Survey Commenced *August 17th* 18 *82*.

Survey Completed *August 21st* 18 *82*.

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Township 33 North Range 46 West

of the 6th Principal Meridian.

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Retractions
Township 33 North Range 46 West

of the 6th Principal Meridian.

Chains Before proceeding to subdivide this Township I set my compass at the ^{Standard} corner to Township 33 North Ranges 45 and 46 West, recently built, and carefully tested it, particularly the latitude and reversing apparatus, and found it to be in perfect adjustment. After making a change of 5 minutes in the reading of the latitude arc, by ^{sub} abstracting same from the reading previously given. I also observed for latitude and proved $42^{\circ} 52'$ N. to be correct. Hence draw Westward a blank line on the South boundary of Sec. 36.

Variation $14^{\circ} 30'$ East.

40.00 To a point 3 lks. S. of the 14 sec. cor. A Pine Post 4 ft. long 3 ins. square, properly marked, which I found lying alongside a mound of earth with pits. I reset post redug the pits and rebuilt mound.

80.10 To a point 6 lks. S. of the Standard corner to sections 35 and 36. A Pine Post 4 ft. long 4 ins. square, properly marked, in mound of earth with pits. I redug the pits and rebuilt mound.

SB. of Township 33 North Range 46 W. Meridian.
Retracings
of the 6th Principal

Chains West on a blank line on the South boundary of Sec. 35.

Variation $14^{\circ} 30'$ East.

40.13 To the $\frac{1}{4}$ sec. cor. A Pine Post 4 ft. long 3 ins. square, properly marked, in mound of earth with pits. I redug the pits and rebuilt mound.

80.24 To a point 2 lks. South of the Standard corner to Secs. 34 and 35. A Box Elder Post 4 ft. long 4 ins. square, properly marked, in a mound of earth with pits. I redug the pits and rebuilt mound.

West on a blank line on the S. boundary of Section 34.

Variation $14^{\circ} 30'$ East.

40.06 To a point 5 lks. South of the $\frac{1}{4}$ section corner, A Pine Post 4 ft. long 3 ins. square, properly marked, in mound of earth with pits. I redug the pits and rebuilt mound.

79.90 To a point 10 lks. S. of the Standard corner to Secs. 33 and 34. A Pine Post 4 ft. long 3 ins. square, properly marked, standing in mound of earth with pits. I redug the pits and rebuilt mound.

SB. of Township 33 North Range 46 West Meridian.
Retracings
of the 6th Principal

Chains West on a blank line on the South boundary of Section 35.

Variation $14^{\circ} 30'$ East.

40.00 To a point 2 lks. South of the $\frac{1}{4}$ sec. corner. A Pine Post 4 ft. long 3 ins. square, properly marked. Standing in a mound of earth with pits. I redug the pits, and rebuilt mound.

80.00 To a point 10 lks. South of the Standard corner to Secs. 32 and 33. A Pine Post 4 ft. long 4 ins. square, properly marked, which I found lying alongside a mound of earth with pits. I redug the pits, reset post, and rebuilt mound.

West on a blank line on the South boundary of Section 32.

Variation $14^{\circ} 30'$ East.

40.03 To a point 5 lks. S. of the $\frac{1}{4}$ section corner. A Pine Post 4 ft. long 3 ins. square, properly marked, standing in a mound of earth with pits. I redug the pits and rebuilt mound.

81.16 To a point 10 lks. South of the Standard corner to sections 31 and 32. A Pine Post 4 ft. long 4 ins. square,

Retracings
S.W. of Township 33 North Range 46 West
of the 6th Principal Meridian.

Chain properly marked, standing in a mound of earth with pits. I redug the pits and rebuilt mound.

West on a blank line on the South boundary of Section 31.
Variation $14^{\circ} 30'$ East.

3999 To a point 6 lks. South of the 14 section corner, a Pine Post 3 feet long 3 inches square. properly marked, standing in a mound of earth with pits. I redug the pits, and rebuilt mound.

8002 To a point 7 lks. South of the standard corner to Townships 33 North Ranges 46 and 47 West, recently rebuilt.

Note The corners on this line were nearly all destroyed and the pits were nearly filled.

J. L. Probst Aug. 17th 1882.

Township _____ Range _____ Meridian.

1 Township 33 N. Range 46 W.
of the 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 14° 10' East.

Note - The standard cor. to secs. 35 & 36 is a pine post 4 1/2 ft. long, 4 ins. square, set in mound of earth, with pits N. & W. (which I pedung² & rebuilt mound. From this cor. a pine, 8 ins. diam. bears N. 38° 47' dist. A pine 6 ins. diam. bears N. 56° W. 56' dist.) Trees properly marked.
Descend East slope.

- 36.00 Bottom of ravine, descends N.W. & ascend.
- 40.00 Set a sandstone 17x9x5 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. 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, alongside. From which a pine, 6 ins. diam. bears S. 85° W. 12 lks. dist. marked 1/4 S. B.T.
- 42.00 Top of spur from E. and descend.
- 53.00 Bottom of canon descends W. & ascend.
- 63.00 Top of divide, bears N.W. & S.E.
- 64.50 Wagon road, bears N.W. & S.E.
- 75.00 Descend N. slope.
- 80.00 Set a sandstone, 22x9x3 ins. 15 ins. in the ground, for cor. to secs. 25, 26, 35 & 36, marked with one notch on S. & E. edges, & raised a mound of stone, alongside. From which, a pine 14 ins. diam. bears N. 45° W. 8 lks. dist. marked T. 33. R. 46 S. 26 P. 1.
- 68.00 lks. Land, mountainous, Soil, 3rd rate.
- 120.00 lks. flat. Vegetation, grass. Sparse pine timber.
- 80 chains, mountainous.

2 Township 33 N. Range 46 W.
of the 6th Principal Meridian.

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

Variation 14° 30' East.

- Descend.
- 13.00 Bottom of ravine, descends N.W. & ascend.
- 27.00 Top of spur from S. & descend.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 42.00 Bottom of ravine, descends N.E. & ascend.
- 49.50 Wagon road, bears N.E. & S.W.
- 65.00 Top of spur from S. & descend.
- 80.50 Intersect E. boundary of Tp. 50 lks. S. of cor. to secs. 25, 30, 31, & 36. Thence I run S. 89° 39' W. on a true line between secs. 25 & 36 with same variation.
- 40.25 Set a sandstone, 20x6x4 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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, alongside.
- 80.50 The cor. to secs. 25, 26, 35 & 36. Land, mountainous. Soil, 3rd rate. Vegetation, grass. Sparse pine timber.
- 80.50 chains, mountainous.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 25 and 26 Variation 14° 20' East.

Descend. 24.00 Bottom of cañon, descends N.W. & ascend. 28.00 Top of spur, from S.E. and descend. 31.00 Bottom of cañon, descends N.W. & ascend. 38.00 Top of spur from S.E. and descend. 40.00 Set a pitch pine post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for 4 sec. cor. marked 1/4 S. on W. face, dug pits 18x18x12 ins. N & S. of post, 5 1/2 ft. dist., and raised a mound of earth 1/2 ft. high, 3 1/2 ft. base, around post. 42.00 Bottom of cañon, descends W. and ascend. 68.00 Top of spur, from S.E. and descend. 75.00 Bottom of ravine, descends N.W. & ascend. 80.00 Set a sandstone, 13x12x4 ins., 8 ins. in the ground, for cor. to secs. 23, 24, 25 & 26, marked with 2 notches on S. & 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, alongside. Land, mountainous. Soil, 3rd rate. Vegetation, grass. Sparse pine timber. 80 chains mountainous.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains East, on a random line between Sections 24 and 25. Variation 14° 30' East.

Ascend. 17.00 Top of ridge, bears N.W. & S.E. & descend. 33.00 Bottom of cañon, descends N.W. & ascend. 40.00 Set stone for temporary 4 sec. cor. 49.00 Top of ridge, bears N.W. & S.E. 56.00 Descend N.E. slope. 80.75 Intersect C. boundary of Tp. 22 lks. S of cor. to secs. 19, 24, 25 & 30. Thence run S 89° 51' W. on a true line between secs. 24 & 25 with same va. 40.37 Set a sandstone 16x9x8 ins., 10 ins. in the ground, for 4 sec. cor. marked 1/4 on N. 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, alongside. From which a pine 7 ins. diam. bears S. 45° W. 34 lks. dist. marked 1/4 S.B.T. 80.75 The cor. to secs. 23, 24, 25 & 26. Land, 73.75 lks mountainous and 7.00 lks flat. Soil, 3rd rate. Vegetation, grass. Sparse pine timber. 80.75 chains mountainous.

Township

33 N

Range

46 W

of the 6th Principal Meridian.

Chains

North, between Sections 23 and 24.

Variation 14° 20' East.

Ascend.

16.00 Top of ridge, bears N.W. & S.E. & descends.

34.00 Bottom of cañon descends N.W. ^{ascend.}

40.00 Set a sandstone, 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. 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, alongside. From which a pine, 14 ins. diam. bears S. 70 W. 6 lks. dist. marked 1/4 S.B.T. A pine 12 ins. diam. bears S. 45 E. 16 lks. dist. marked 1/4 S.B.T.

64.00 Top of ridge, bears N.W. & S.E.

74.00 Old wood road bears N.W. & S.E.

80.00 Set a sandstone, 18 x 10 x 6 ins. 12 ins. deep, for cor. to secs. 13, 14, 23 & 24, marked with 3 notches on S. & 1 notch on E. edges, ^{and} raised a mound of stone, pits impracticable. From which a pine 20 ins. diam. bears S. 45 N. 44 lks. dist. marked T. 33. R. 46. S. 23. B.T.

A pine 8 ins. diam. bears S. 70 W. 16 lks. dist. marked 1/4 S.B.T.

Land ^{mountainous} Soil, 3rd rate. Vegetation, grass, sparse pine timber.

Rolling ^{mountainous}. 16. Chs. before.

Township

33 N

Range

46 W

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

9.00 Descend N.E. slope.

30.00 Foot of ridge bears N.W. & S.E.

34.00 Creek, 2 lks. wide, runs N.W.

40.00 Set stake for temporary 1/4 sec. cor.

45.00 Bottom of ravine, descends N.W. ^{ascend.}

68.00 Top of ridge, bears N.W. & S.E. ^{and} descends.

80.25 Intersect E. boundary of Tp. 42 lks. S. of cor. to secs. 13, 18, 19 & 24. Thence I run S. 89° 42' W. on a true line between secs. 13 & 24 with same variation.

40.12 Set a pine post, 4 ft. long, 4 ins. square with charred stake, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. E. & 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.

80.25 The cor. to secs. 13, 14, 23 & 24. Land ^{mountainous} Soil, 3rd rate. Vegetation, grass, sparse pine timber.

80.25 chs. mountainous.

7 Township 33 N. Range 46 W.
of the 6th Principal Meridian.

Chains North, between Sections 13 and 14.
Variation 14° 30' East.

- 40.00 Set a pine post 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W. face, dug pits 18x18x12 ins. N. & S. of stone, 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth, $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, around post.
- 47.00 Wash, 50 lks. wide, descends East.
- 63.00 Bottom of ravine, descends N.W. & ascends.
- 80.00 Set a pitch pine post, 5 ft. long, 5 ins. square, with charred stake, 12 ins. in the ground, for cor. to secs. 11, 12, 13 & 14 marked T. 33 S. 12 on N.E. - R. 46 S. 13 on S.E. - S. 14 on S.W. & S. 11 on N.W. faces with 4 notches on S. & 1 notch on E. edges, dug pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, around post.
Land, broken.
Soil, 2^d rate.
Vegetation, grass. Sparse pine timber.

8 Township 33 N. Range 46 W.
of the 6th Principal Meridian.

Chains East, on a random line between Sections 12 and 13.
Variation 14° 30' East.

- Ascend.
- 12.00 Top of ridge, bears N.W. & S.E. & descends.
- 31.00 Bottom of ravine, descends N.W. & ascends.
- 40.00 Set post for temporary $\frac{1}{4}$ sec. cor.
- 70.00 Top of spur from N.E. & descends.
- 76.00 Bottom of canon, descends S.W. & ascends.
- 80.60 Intersect E. boundary of T. 30 lks. N. of cor. to secs. 7, 12, 13 & 18. Thence I run N. 89° 47' W. on a true line between secs. 12 & 13 with same variation.
- 40.30 Set a pine post 5 ft. long 4 ins. square with charred stake, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on N. face, dug pits 18x18x12 ins. E. & W. of post, 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, around post.
- 80.60 The cor. to secs. 11, 12, 13 & 14.
Land, mountainous.
Soil, 3^d rate.
Vegetation, grass. Sparse pine timber.
80.60 chs. mountainous.

9 Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 11 and 12.

Variation 14° 20' East.

Ascend over West slope.
 24.00 Creek, 4 lks. wide, runs N.W. & ascends.
 31.00 Old road, bears N.W. & S.E.
 40.00 Set a pine post, 4 ft. long, 4 ins. square with charred stake, 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face; dug pits 18x18x12 ins. N. & S. of stake, 5 1/2 ft. dist., and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base around post.
 62.00 Top of spur from S.E. and descend.
 70.00 Bottom of cañon, descends N.W.
 80.00 Set a pine post, 4 ft. long, 4 ins. square with charred stake, 12 ins. in the ground for cor. to secs. 1, 2, 11 & 12, marked T. 33, S. 1 on N.E. R. 46, S. 12 on S.E. - S. 11 on S.W. and S. 2 on N.W. faces, with 5 notches on S. & 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. Land, mountainous & broken. Soil, 3^d rate. Vegetation, grass. Sparse pine timber.
 65 chs. mountainous & broken.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

10

Chains

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

Variation 14° 30' East.

Ascend.
 15.00 Old road, bears N.W. & S.E.
 40.00 Set stone for temporary 1/4 sec. cor.
 70.00 Top of divide, bears N. & S.
 79.93 Intersect E. boundary of Tp. 30 lks. N. of cor. to secs. 1, 6, 7 & 12. Thence run N. 89° 47' W. on a true line between secs. 1 & 12 with same variation.
 39.96 Set a sandstone 22x12x6 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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, alongside.
 79.93 The cor. to secs. 1, 2, 11 & 12. Land, rolling. Soil, 3^d rate. Vegetation, grass. Sparse pine timber.
 Note I carefully examined the adjustment of my solar compass today, particularly the latitude and reversing apparatus, and found it correct. I also observed for latitude and obtained 42° 52' N.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, on a random line between Sections 1 and 2. Variation 14° 20' East.

Descend.

25 Old road, N.W. & S.E.

5.00 Bottom of ravine, descends W. & ascend

28.50 Top of spur from E. & descend

29.00 Camp Sheridan & Pine Ridge road bears E. & W.

40.00 Set stone for temporary 1/4 sec. cor.

51.00 Bottom of ravine, descends W. & ascend

70.00 Top of spur from East and descend

77.00 Bottom of canon, descends W. ascend, and leave sparse pine timber, bears E. & W.

79.16 Intersect N. boundary of Twp. 23 N. E. of cor. to secs. 1, 2, 35 & 36. Thence I run S. 10° E. on a true line between secs. 1 & 2 with same variation

39.16 Set a sandstone, 22 x 12 x 6 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. N. & S. of stone, 5 1/2 ft. dist., raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside

79.16 The cor. to secs. 1, 2, 11, & 12 70.00 chs 79.16 chs Sand, mountainous & broken, Soil, 3rd rate Vegetation, grass. Sparse pine timber, 70 chains mountainous & broken

J. H. Fairfield Aug. 18th 1882

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 34 and 35. Variation 14° 20' East.

Note. The standard cor. to secs. 34 & 35 is a Box Elder post, 4 1/2 ft. long, 4 ins. square, set in mound of earth with pits N., E. & W. which I redug & rebuilt mound. From this cor. a Box elder bears S. 26° E. 11 lks. dist. An Elm, bears S. 86° E. 41 lks. dist. Trees properly marked.

33.00 Bottom of ravine, descends W. & ascend

40.00 Set a sandstone, 14 x 10 x 5 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. N. & S. of stone 5 1/2 ft. dist., raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside

48.00 Top of spur from E. & descend

68.00 Bottom of ravine descends S. W. & ascend

80.00 Set a sandstone 17 x 9 x 5 ins. 10 ins. in the ground, for cor. to secs. 26, 27, 34 & 35, marked with one notch on S. & 2 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, alongside

Land, mountainous & broken, Vegetation, grass. Sparse pine timber, 80 chains mountainous.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

Descend.

3.00 Bottom of ravine, descends S. W. & ascend

11.00 Top of ridge, bears N. W. & S. E.

17.00 Old road, bears N. W. & S. E.

20.00 Descend N. E. slope.

40.00 Set stone for temporary 1/4 sec. cor.

43.00 Bottom of ravine, descends N. W. & ascend

44.00 Wagon Road, bears N. W. & S. E.

58.00 Top of ridge, bears N. W. & S. E. & descend.

70.00 Bottom of cañon descends N. W. & ascend.

80.10 Intersect N. & S. line, at cor. to secs. 25, 26, 35 & 36. Thence I run West on a true line between secs. 26 & 35 with same va.

40.05 Set a sandstone 14 x 7 x 5 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. 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, alongside, from which a pine 24 ins. diam. bears S. 70° W. 27 lbs. dist. marked 1/4 S. B. S.

80.10 The cor. to secs. 26, 27, 34 & 35. Land, mountainous, Soil, 3^d rate. Vegetation, grass, Sparse pine timber.

80.10 chains mountainous.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 26 and 27.

Variation 14° 20' East.

Ascend.

12.00 Top of ridge, bears N. W. & S. E.

29.00 Wagon road, bears N. W. & S. E.

30.00 Descend N. E. slope.

39.00 Bottom of ravine, descends N. W. & ascend.

40.00 Set pine post 4 ft. long, 4 ins. square, with charred stake, 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. 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.

61.00 Top of spur from E. and descend.

76.00 Bottom of ravine, descends N. W. & ascend.

80.00 Set a sandstone, 14 x 12 x 8 ins. 9 ins. in the ground, for cor. to secs. 22, 23, 26 & 27, marked with 2 notches on S. & E. edges, dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, alongside.

6200 chs Land, mountainous & 1800 chs flat Soil, 3^d rate.

Vegetation, grass, Sparse pine timber.

80 chs, mountainous.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains East, on a random line between Sections 23 and 26. Variation 14° 30' East.

Ascend.

15.00 Top of ridge, bears N.E. & S.W.

26.00 Descend N.E. slope.

40.00 Set stone for temporary 1/4 sec. cor.

70.00 Bottom of deep cañon, descends N.W. & ascends

80.25 Intersect N. & S. line. 15 lks. N. of cor. to secs. 23, 24, 25, & 26. Thence run N. 89° 54' W. on a true line between secs. 23 & 26, with same variation.

40.12 Set a sandstone 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. 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, alongside.

80.25 The cor. to secs. 22, 23, 26 & 27. Land ^{69.25} mountainous and 11.00 Ch. flat. Soil, 3rd rate. Vegetation, grass. Sparse pine timber. 80.25 chains. mountainous.



Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 22 and 23. Variation 14° 20' East.

Ascend.

4.00 Top of spur from S.E. & descend.

12.00 Bottom of ravine, descends N. & ascends

29.00 Top of ridge, bears N.W. & S.E. & descends

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

70.50 Bottom of ravine, descends N.W. & ascends

80.00 Set a pine post, 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for cor. to secs. 14, 15, 22 & 23, marked T. 33 S. 14 on N.E. R. 46, S. 23 on S.E. S. 22 on S.W. & S. 15 on N.W. faces, with 3 notches on S. & 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. Land, mountainous. Soil, 3rd rate. Vegetation, grass. Sparse pine timber. 80 chains mountainous.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains East, on a random line between Sections 14 and 23. Variation 14° 30' East.

Ascend. 40.00 Set stone for temporary 1/4 sec. cor. 50.00 Top of divide, bears N.W. and S.E. 78.00 Old wagon road, bears N.W. & S.E. 80.02 Intersect N. & S. line 35 lks. N. of cor. to secs. 13, 14, 23 & 24. Thence I run N. 89° 45' W. on a true line between secs. 14 & 23 with same variation. 40.01 Set a sandstone, 20 x 12 x 7 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

80.02 The cor. to secs. 14, 15, 22 & 23. Land, ^{50.00 Chs.} mountainous, ^{30.02 Chs.} broken. Soil, 3rd rate. Vegetation, grass. Sparse pine timber. 50 chs. mountainous, 30.02 Chs broken.

Note Carefully examined the adjustment of my solar compass today, particularly the latitude and reversing apparatus and found it correct. Also observed for Latitude and obtained 42° 52' N.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 14 and 15. Variation 14° 20' East.

Ascend. 30.00 Top of divide, bears N.W. & S.E. 36.00 Old wagon road bears N.W. & S.E. 40.00 Set a sandstone 14 x 12 x 8 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, dug pits 18 x 18 x 12 ins. N. & S. of stone, 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside. 42.00 Descend N.E. slope.

776.00 Bottom of cañon, descends N.W., ascend and leave sparse pine timber, bears E. & W. 80.00 Set a pine post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground for cor. to secs. 10, 11, 14 & 15, marked T. 33, S. 11 on N.E., R. 46 S. 14 on S.E., S. 15 on E.W. & S. 10 on N.W. faces with 4 notches on S. & 2 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, ground post.

Land, ^{68.00 Chs.} mountainous, ^{12.00 Chs.} flat. Soil, 3rd rate. Vegetation, grass. Sparse pine timber. 80 chains mountainous.

Township

33 N. Range 46 W. of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

39.00 Ascend ridge, bears N.W. & S.E.
 40.00 Top of ridge, bears N.W. & S.E.
 41.00 Set a sandstone for temp. 1/4 sec. cor.
 41.00 Descend E. slope.
 72.00 Creek, 3 lks. wide, runs north, ascend.
 Enter sparse pine timber bears N.S.
 79.80 Intersect N. & S. line, 50 lks. N. of
 cor. to secs. 11, 12, 13 & 14. Thence I run
 N. 89° 39' W. on a true line between
 secs. 11 & 14 with same variation.
 39.90 Set a sandstone 18 x 9 x 5 ins. 12 ins. in
 the ground for 1/4 sec. cor. marked 1/4
 on N. face, dug pits 18 x 18 x 12 ins.
 E. & W. of stone 5 1/2 ft. dist. raised
 a mound of earth 1 1/2 ft. high, 3 1/2 ft.
 base, alongside.
 79.80 The cor. to secs. 10, 11, 14 & 15.
 Land, mountainous & broken.
 Soil, 2^d rate.
 Vegetation, grass.
 79.80 chains mountainous.

Township

33 N. Range 46 W. of the 6th Principal Meridian.

Chains

North, between Sections 10 and 11.

Variation 14° 30' East.

Ascend.
 18.00 Top of ridge, bears N.E. & S.W.
 40.00 Set a pine post 4 ft. long, 6 ins.
 square, with charred stake, 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.
 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.
 80.00 Set a pine post 4 ft. long, 5 ins. square,
 with charred stake 12 ins. in the ground
 for cor. to secs. 2, 3, 10 & 11, marked T. 33
 S. 2 on N.E., R. 46 S. 11 on S.E., S. 10 on S.W.
 & S. 3 on N.W. faces, with 5 notches on
 S. & 2 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.
 Land, rolling. Soil, 2^d rate
 Vegetation, grass. Sparse pine
 timber.

Township

33 N.

Range

46 W.

of the 6th Principal

Meridian.

Chains

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

Variation 14° 30' East.

- 20.00 Ravine, descends North.
- 40.00 Set post for temporary 1/4 sec. cor.
- 50.00 Ravine, descends N. enters sparse pine timber, bears N. & S.
- 55.00 Old road bears N. W. & S. E.
- 79.75 Intersect N. & S. line at cor. to secs. 1, 2.
- 114.12 Thence I run West on a true line between secs. 2 & 11 with same va.
- 39.87 Set a boulder post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face. dug pits 18x18x12 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.
- 79.75 The cor. to secs. 2, 3, 10 & 11.
Land, rolling.
Soil, 2nd rate
Vegetation, grass, sparse pine timber.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- 24.00 Camp Sheridan & Pine Ridge road bears E. & W.
- 34.00 Creek, 4 lbs. wide, runs N. W.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 78.30 Intersect N. boundary of Twp. 37 lbs. W. of cor. to secs. 2, 3, 34 & 35. Thence I run S. 16' W. on a true line between secs. 2 & 3 with same variation.
- 38.30 Set a sandstone 17x11x7 ins., 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. 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 alongside.
- 78.30 The cor. to secs. 2, 3, 10 & 11.
Land, gently rolling.
Soil, 2nd rate.
Vegetation, grass.
J. L. Propst. Aug 18th 1882.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 33 and 34.

Variation 14° 20' East.

Note. The standard cor. to secs. 33 & 34 is a pine post, 4 ft. long, 3 ins. square, set in mound of earth with pits N, E & W which I redug & rebuilt mound.

40.00 Set a sandstone, 18x10x8 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. 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, alongside.

50.00 Descend to slope.

72.00 Foot of ridge, bears N.W. & S.E.

80.00 Set a sandstone 18x12x8 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 18x18x12 ins. in each sec., 5 1/2 ft. dist. & raised a mound of earth 2 ft. high, 4 1/2 ft. base, alongside.

Land, broken. Soil, 3rd rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

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

Variation 14° 30' East.

29.00 Dry creek bed, descends N.W.

39.00 Old wagon road, bears N.W. & S.E.

40.00 Set stake for temporary 1/4 sec. cor.

49.10 N. & S. line, 20 lbs. S. of cor. to secs. 26, 27, 34 & 35. Thence I run S, 89° 51' W. on a true line between secs. 27 & 34 with same variation.

39.55 Set a box elder post 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, dug pits 18x18x12 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, alongside.

79.10 The cor. to secs. 27, 28, 33 & 34. Land, rolling. Soil, 2nd rate. Vegetation, grass.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains

North, between Sections 27 and 28.

Variation 14° 20' East.

- 36.00 Old wagon road, bears N.W. & S.E.
 - 38.50 Dry creek bed, descends N.W. 20 lbs. N.W.
 - 40.00 Set a sandstone 15 x 8 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dug pits 18 x 18 x 12 ins. N. & S. of stone, 5 1/2 ft. dist. raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
 - 80.00 Set a sandstone, 16 x 14 x 5 ins. 10 ins. in the ground, for cor. to secs. 21, 22, 27 & 28, marked with 2 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, alongside.
- Land, rolling.
Soil, 2nd rate.
Vegetation grass. Sparse pine timber.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- Ascend.
- 17.00 Top of ridge, bears N.W. & S.E.
- 19.50 Wagon road, bears N.W. & S.E.
- 32.00 Top of spur from S. and, descend.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 70.00 Bottom of cañon, descends N.W. down.
- 79.60 Intersect N. & S. line, 30 lbs. N. of cor. to secs. 22, 23, 26 & 27. Thence I run N. 89° 47' W. on a true line between secs. 22 & 27 with same variation.
- 39.80 Set a sandstone 14 x 6 x 5 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. raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base, alongside.
- 79.60 The cor. to secs. 21, 22, 27, & 28. Land, mt. none & broken. Soil, 3rd rate. Vegetation, grass. Sparse pine timber.
- 79.60 chs. mountainous.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains

North, between Sections 21 and 22.

Variation 14° 20' East.

Ascend.

25.00 Top of ridge, bears N.W. & S.E. & descend.

27.00 Wagon road, bears N.W. & S.E.

36.00 Bottom of ravine, descends N.W. & ascend

40.00 Set a pitch pine post 4 ft. long, 4 ins. square, with charred stake 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. 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.

58.00 Top of spring from the E. and descend

80.00 Set a sandstone, 20 x 16 x 6 ins. 15 ins. in the ground, for cor. to secs. 15, 16, 21 & 22 marked with 3 notches on S. & E. edges, dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high 4 1/2 ft. base, alongside.

Land, broken.

Soil, 3rd rate

Vegetation, grass, Pine timber.

Note I carefully examined the adjustments of my solar compass today, particularly the latitude and reversing apparatus & found it correct. I also observed for Latitude and obtained 42° 52' N.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

Descend

13.00 Ravine, descends N.W. & ascend.

37.00 Top of ridge, bears N.W. & S.E. & descend.

40.00 Set stake for temporary 1/4 sec. cor.

73.00 Ravine, descends N.W.

79.46 Intersect N. & S. line 40 lks. N. of cor. to secs. 14, 15, 21 & 23. Thence I run N. 89° 43' W. on a true line between secs. 15 & 22 with same variation

39.73 Set a sandstone 14 x 12 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. E. & W. of stone, 5 1/2 ft. dist., & raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside.

79.46 The cor. to secs 15, 16, 21 & 22, Land, broken, & mountainous. Soil, 3rd rate. Vegetation, grass, Pine timber. 79.46 chs. Mountainous.

Township

33 N

Range

46 W

of the 6th Principal Meridian.

Chains

North, between Sections 15 and 16.

Descend Variation 14° 20' East.

3.00 Ravine, descends N.E.

18.00 Ravine, descends N.W. Leave timber

40.00 Set a pitch pine post, 4 ft. long 4 ins. square, with charred stake, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18x18x12 ins. N. & E. of post, 5 1/2 ft. dist. ^{and} raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.

70.00 Ravine, descends N.W.

80.00 Set a sandstone, 20x16x5 ins. 15 ins. in the ground, for cor. to secs. 9, 10, 15 & 16, marked with 4 notches on S. & 3 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, alongside.

Land, rolling.

Soil, 2^d rate.

Vegetation, grass. Sparse pine timber.

Township

33 N

Range

46 W

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

4.00 Ascend S.W. slope

31.00 Top of ridge, bears N.W. & S.E.

33.00 Old wagon road, bears N.W. & S.E.

40.00 Set stone for temporary 1/4 sec. cor.

45.98 Descend S.E. slope.

79.70 Intersect N. & S. line, 36 lks. N. of cor. to 10, 11, 14 & 15. Thence I run N. 89° 45' W. on a true line between secs. 10 & 15, with same variation.

39.85 Set a sandstone 17x7x4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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, alongside.

79.70 The cor. to secs. 9, 10, 15 & 16.

Land, broken.

Soil, 3^d rate.

Vegetation, grass.

J. H. Fairfield Aug 19th 1882.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 9 and 10.

Variation 14° 20' East.

- 7.00 Old road, bears N. W. & S. E.
- 25.44 ^{the S. boundary of} Intersect Camp Sheridan U.S. Military Reservation 14.40 chs N. of mile post No. 2. and at point of intersection set a pine post 5 ft. long, 6 x 4 ins. for closing cor. to fractional secs. 9 & 10 marked C.C. on S., S. 10 on E. & S. 9 on W. faces; dug pits 18 x 18 x 12 ins. S., E. & W. of post. 5 1/2 ft. dist. and raised a mound of earth around post.
- 40.00 Set a sandstone 15 x 7 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 4 on N. face; dug pits 18 x 18 x 12 ins. N. & S. of stone 5 1/2 ft. dist. & raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside.
- 80.00 Set a sandstone 14 x 10 x 5 ins. 9 ins. in the ground, for cor. to secs. 3, 4, 9 & 10 marked with 5 notches 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 alongside. Land, level. Soil, 2^d rate. Vegetation, grass.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 20' East.

- 26.00 Ravine, 100 yds. wide, descends N.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 54.40 Leave Camp Sheridan U.S. Military Reservation.
- 80.20 Intersect N. & S. line, 50 yds. N. of cor. to secs. 2, 3, 10 & 11. Thence I run N. 89° 39' W. on a true line between secs. 3 & 10, same wa. ^{with}
- 25.80 ^{the E. boundary of} Intersect Camp Sheridan Military Reservation 25.40 chs. S. of Mile post No. 5 and at point of intersection, set a pine post 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for closing cor. to fractional secs. 3 & 10 marked C.C. on E. S. 3 on N. & S. 10 on S. faces; dug pits 18 x 18 x 12 ins. S., E. & W. of post. 5 1/2 ft. dist. and raised a mound of earth around post.
- 40.10 Set a sandstone 14 x 12 x 6 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 4 on N. 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, alongside.
- 80.20 The cor. to secs. 3, 4, 9 & 10. Land, rolling. Soil, 2^d rate. Vegetation, grass.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

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

Variation 14° 20' East.

- 16.00 Camp Sheridan, Pine Ridge wagon road bears $N. 81^{\circ} E.$
- 38.95 Leave Camp Sheridan Military Reservation.
- 39.00 Ft. Robinson's Pine Ridge, Telegraph line bears $N. 81^{\circ} E.$
- 40.00 Set post for temporary $\frac{1}{4}$ sec. cor.
- 78.82 Intersect N. boundary of Tp. 21 N. 21 W. of cor. to secs. 3, 4, 33 & 34. Thence I run $S. 9^{\circ} W.$ on a true line between secs. 3 & 4 with same ^{va.}
- 38.82 Set a pine post 4 ft. long, 4 ins. square with charred stake 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W. face, dug pits 18x18x12 ins. N. & S. of post, $5\frac{1}{2}$ ft. dist. ^{and} raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.
- 39.87 Intersect the N. boundary of Reservation ^{and} set pine post 4 ft. long, 4x3 ins. with charred stake 12 ins. in the ground for closing cor. to fractional secs. 3 & 4, marked C.C. on N. S. 3 on E. & S. 4 on W. faces, dug pits 18x18x12 ins. N., E. & W. of post $5\frac{1}{2}$ ft. dist. ^{and} raised a mound of earth. ^{around post.}
- 78.82 The cor. to secs. 3, 4, 9 & 10. Land, level. Soil, 2nd rate. Vegetation, grass.

J. L. Probst Aug 20th 1882.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 32 and 33.

Variation 14° 25' East.

- Note. The ^{Standard} cor. to secs. 32 & 33 is pine post 4 ft. long, 6 ins. square, set in mound of earth, with pits N., E. & W. which I redug ^{and} rebuilt mound. From this cor. a Pine, 15 ins. diam., bears $N. 83^{\circ} E.$ 233 lks. dist. properly marked.
- 40.00 Set a pine post 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on W. face, dug pits 18x18x12 ins. N. & S. of post, $5\frac{1}{2}$ ft. dist. ^{and} raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base, around post.
- 52.00 Dry creek bed, 20 lks. wide, descends N. E.
- 65.00 Bottom of cañon, descends E. ^{and} S. W. slope
- 80.00 Set a sandstone 17x8 1/2 ins. 12 ins. in the ground for cor. to secs. 28, 29, 32 & 33, marked with 1 notch on S. & 4 on E. edges, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. ^{and} raised a mound of earth, 2 ft. high, $4\frac{1}{2}$ ft. base alongside. From which a pine 8 ins. diam., bears $N. 45^{\circ} W.$ 28 lks. dist. marked T. B. R. 46 S. 29 R. 33 R. 46 S. 28. A pine 7 ins. diam., bears $N. 40^{\circ} E.$ 30 l. dist. marked S. 28. Land, broken, Soil, 3rd rate, Vegetation grass. Sparse pine timber.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 40' East.

Ascend.

10.00 Top of spur from N. and descend.

40.00 Set stone for temporary 1/4 sec. cor.

44.00 Creek, 5 lks. wide, runs N.E.

79.60 Intersect N. & S. line 4 lks. N. of cor. to secs. 27, 28, 33 & 34. Hence run N. 89° 58' W. on a true line between secs. 28 & 33 with same variation.

39.80 Set a sandstone 16 x 14 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. E & W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.

79.60 The cor. to secs. 28, 29, 32 & 33. Land, broken, Soil, 2^d rate. Vegetation, grass. Sparse pine timber.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 28 and 29.

Variation 14° 20' East.

Ascend.

9.00 Top of bluff bears N.W. & S.E.

40.00 Set a pine post 4 ft. 4 ins. square with charred stake, 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. N. & S. of post 3 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.

72.00 Dry creek bed, 20 lks. wide, descends N.E.

80.00 Set a sandstone, 12 x 6 x 7 ins. 8 ins. deep, for cor. to secs. 20, 21, 28 & 29, marked with 2 notches on S. & 4 notches on E. edges, from which

A pine 5 ins. diam. bears S. 1° E. 8 lks. dist. marked T. 33 R. 46 S. 28 Q. 5.

A pine 6 ins. diam. bears N. 40° E. 19 lks. dist. marked T. 33 R. 46 S. 21 Q. 9.

No other trees within limits. I raised a mound of stone alongside.

Pits impracticable.

Land, broken.

Soil, 3^d rate.

Vegetation, grass Sparse pine timber.

Township

33 N. Range 46 W. of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- 20.00 Ascend N.W. slope.
- 24.00 Dry creek bed, 20 lks. wide, descends N.E.
- 40.00 Set stake for temporary 1/4 sec. cor.
- 42.00 Top of ridge, from S.W. descand.
- 70.00 creek, 6 lks. wide, runs North.
- 79.80 Intersect N. & S. line 20 lks. S of cor. to secs. 21, 22, 27 & 28. Thence I run S. 89° 51' W. on a true line between secs. 21 & 28 with same va.
- 39.90 Set a pine post 4 ft. long, 4 ins. square, with charred stake, 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. E & W. of stake. raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
- 79.80 The cor. to secs. 20, 21, 28 & 29.

Land, broken.

Soil, 3^d rate.

Vegetation, grass, Pine timber.

Note I carefully examined the adjustments of my solar compass today, particularly the latitude and leveling apparatus and found it correct. I also observed for Latitude and obtained 42° 52' N.

Township

33 N. Range 47 W. of the 6th Principal Meridian.

Chains

North, between Sections 20 and 21.

Variation 14° 20' East.

- Ascend.
- 10.00 Top of ridge, bears N.E. & S.W. descand.
- 38.00 Bottom of ravine, descends N.E. & ascand.
- 40.00 Set a sandstone 16 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N & S. of stone, 5 1/2 ft. dist. raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
- 80.00 Set a pine post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for cor. to secs. 16, 17, 20 & 21, marked S. 33 N. 16 on N.E. R. 46. S. 21 on S.E. S. 20 on S.W. & S. 17 on N.W. faces, with 3 notches on S. & 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base, around post.
- Land, broken.
- Soil, 2^d rate.
- Vegetation, grass, Sparse pine timber.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- 17.00 Beaver creek, 7 lks. wide, runs N.E.
 39.50 Wagon road, bears N.E. & S.W.
 40.00 Set post for temporary 1/4 sec. cor.
 65.00 Wagon road, bears N.W. & S.E.
 76.00 Ravine, 150 lks. wide, descends N.E.
 80.30 Intersect N. & S. line, 45 lks. S. of
 cor. to secs. 15, 16, 21 & 22 (Thence run
 S. 89° 41' W. on a true line between
 secs. 16 & 21 with same variation,
 40.15 Set a pine post 4 ft. long, 4 ins. square,
 with charred stake, 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. 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.
 80.30 The cor. to secs. 16, 17, 20 & 21.
 Land, rolling.
 Soil, 2^d rate.
 Vegetation, grass.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 16 and 17.

Variation 14° 20' East.

- 9.00 Ravine, 100 lks. wide, descends N.E.
 40.00 Set a pine post, 4 ft. long, 4 ins. square,
 with charred stake, 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.
 57.00 Old road bears E. & W.
 80.00 Set a sandstone 20 x 12 x 10 ins.
 15 ins. in the ground, for cor. to
 secs. 8, 9, 16 & 17, marked with 4 notches
 on S. & E. edges, dug pits 18 x 18 x 12 ins.
 in each sec. 5 1/2 ft. dist. and raised a
 mound of earth 2 ft. high, 4 1/2 ft.
 base, alongside.
 Land, rolling.
 Soil, 3rd rate.
 Vegetation, grass.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- 9.00 Drain, 15 lks. wide, descends N.E.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 53.50 Beaver creek, 10 lks. wide, runs N.W.
- 64.80 Wagon road, bears N. & S.
- 80.46 Intersect N. & S. line 60 lks S. of cor. to secs. 9, 10, 15 & 16. Thence run S. 89° 34' W. on a true line between secs. 9 & 16 with same variation
- 40.23 Set a sandstone, 16 x 14 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. dig 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, alongside.
- 80.46 The cor. to secs. 8, 9, 16 & 17.
Land, rolling.
Soil, 2 rate.
Vegetation, grass and weeds.
J. L. Poppel. Aug 19th 1882.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 8 and 9.

Variation 14° 15' East.

- 26.31 ^{the S. boundary of} Intersect Camp Sheridan Military Reservation 25.35 chs. E. of Mile post # 13. being the S. W. cor. of said Reservation, and at point of intersection set a sandstone 24 x 20 x 4 ins. 16 ins. in the ground for closing cor. to fractional secs. 8 & 9. marked C.C. M.R. on S. face. dig pits 18 x 18 x 12 ins. S. E. & W. of stone 5 1/2 ft. dist. and raised a mound of earth alongside.
- 30.00 Ft. Robinson ^{the} Pine Ridge telegraph line ^{bears} E. & W.
- 40.00 Set a sandstone, 20 x 14 x 4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dig 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 alongside.
- 44.00 Ravine, 60 l. wide, descends N.W.
- 80.00 Set a sandstone 28 x 24 x 4 ins. 18 ins. in the ground for cor. to secs. 4, 5, 8 & 9, marked with 5 notches on S. & 4 on E. edges. dig 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, alongside.
Land, rolling. Soil, 2 rate. Vegetation, grass.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains East, on a random line between Sections 4 and 9. Variation 14° 30' East.

- 11.00 Old wagon road, bears N.E. & S.W.
31.00 Enter creek bottom, bears N.W. & S.E.
34.50 Camp Sheridan & Ft. Robinson road, bears N.W. & S.E.
38.00 Enter garden, bears N. & S.
40.00 Set stone for temporary 1/4 sec. cor.
43.00 Leave garden bears N. & S. & enter sparse timber
53.00 Beaver creek, 10 lks. wide, runs N. Leave timber.
57.30 Old wagon road bears N.W. & S.E.
59.00 Leave bottom land, bears N. & S.
63.00 Old wagon road bears N.W. & S.E.
65.50 Ft. Robinson & Pine Ridge telegraph line bears N.E. & S.W.
70.00 Camp Sheridan & Pine Ridge wagon road, bears N.E. & S.W.
80.40 Intersect N. & S. line 10 lks. S. of cor. to secs. 3, 4, 9 & 10. Thence I run S. 89° 56' W. on a true line between secs. 4 & 9 with same va.
40.20 Set a sandstone 20x14x4 ins., 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. 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, alongside.
80.10 The cor. to secs. 4, 5, 8 & 9. Land, rolling. Soil, 2nd rate. Vegetation, grass and weeds. Brush along creek.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains North, on a random line between Sections 4 and 5. Variation 14° 15' East.

- 11.50 Ft. Robinson & Camp Sheridan road, bears E. & W.
14.00 Enter wide brushy drain, descends North
39.50 Wagon road, bears N.W. & S.E.
39.75 Leave bushy drain, 2 chs. wide, descends N.E.
40.00 Set stone for temporary 1/4 sec. cor.
40.20 Leave Camp Sheridan Military Reservation.
78.50 Intersect N. boundary of Twp. 46 lks. N. of cor. to secs. 4, 5, 32 & 33. Thence I run S. 20' W. on a true line between secs. 4 & 5 with same va.
38.30 Set a sandstone 16x10x4 ins., 10 ins. in the ground, for closing cor. to fractional sec. 4 & 5, marked C.C. on N. face. dug pits 18x18x12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth alongside.
38.50 Set a sandstone 14x12x4 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, alongside.
78.50 The cor. to secs. 4, 5, 8 & 9. Land, gently rolling. Soil, 2nd rate. Vegetation, grass and weeds.
J. L. Propst. Aug 21 1884.

Township 33 N. Range 46 W. of the 6th Principal Meridian

From Standard cor. to secs. 31 & 32 on S. bdy 2nd run North, between Sections 31 and 32.

Variation 14° 30' East.

Note. The standard cor. to secs. 31 & 32 is a pine post 4 1/2 ft. long, 4 ins. square, set in mound of earth, with pits N. E. & W. which I redug & rebuilt mound. From this cor. a pine 10 ins. diam. bears N. 89° 45' E. 79 lks. dist.

- 7.50 Ravine, 150 lks. wide, descends N.E.
- 22.50 Ravine, descends S.E. & ascends S. slope
- 38.50 Old wagon road, bears N.E. & S.W.
- 39.00 Top of ridge, bears N.E. & S.W.
- 40.00 Set a sandstone 18x18x6 ins. 12 ins. in the ground, for 4 sec. cor. marked E on W. 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, alongside.
- 70.00 Descend N.E. slope.
- 80.00 Set a sandstone 20x16x6 ins. 15 ins. in the ground, for cor. to secs. 29, 30, 31 & 32 marked with 1 notch on E. & 5 on E. edge 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, alongside. Land broken. Soil, 2nd rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 46 W. of the 6th Principal Meridian

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

Variation 14° 40' East.

- Descend.
- 21.00 Bottom of ravine, descends N.E. & ascend.
- 26.00 Top of ridge from S.W. and descend.
- 40.00 Set post for temporary 4 sec. cor.
- 45.00 Bottom of ravine, descends N.E. and ascend.
- 65.00 Top of divide, bears N.E. & S.W.
- 70.00 Descend S.E. slope.
- 80.30 Intersect N. & S. line 60 lks. N. of cor. to secs. 28, 29, 32 & 33. Thence I run N. 89° 34' W. on a true line between secs. 29 & 32, with same variation.
- 40.15 Set a pine post 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for 1/4 sec. cor. marked S on N. face, dug pits 18x18x12 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.
- 80.80 The cor. to secs. 29, 30, 31 & 32 Land ^{75.30 lks} mountainous. ^{500 lks} broken. Soil, 3rd rate. Vegetation, grass. Sparse pine timber.
- 65 chains mountainous 1530. 2 lks broken

Township 33 N Range 46 W
of the 6th Principal Meridian

Chains

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

Variation 14° 30' East.

Ascend.

- 5.00 Top of divide, bears N.W. & S.E.
- 15.00 Enter broken mountain spur, and sparse pine timber, and descend.
- 18.00 Head of deep cañon descends S.W. & ascend.
- 25.00 Top of spur from S.W. and descend.
- 30.00 Bottom of ravine, descends S.W. & ascend E. slope
- 34.00 Top of spur from S, and descend.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 48.00 Deep gulch descends N.W. & ascend E. slope
- 50.00 Leave sparse pine timber, bears N.W. & S.E.
- 62.00 Top of spur bears N.W. & S.E. & descend.
- 75.00 Bottom of ravine, descends N. at foot of W. slope.
- 80.20 Intersect W. boundary of Twp. 30 lks. N. of cor. to secs. 25, 30, 31 & 36. Thence I run N. 89° 47' E. on a true line between sec. 30 & 31 with same variation.
- 40.20 Set a sandstone 14 x 8 x 6 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. E. & W. of stone, 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
- 80.20 The cor. to secs. 29, 30, 31 & 32.
Lands mountainous. Soil, 3^d rate
Vegetation, grass. Sparse pine timber.

Township 33 N Range 46 W
of the 6th Principal Meridian

Chains

North, between Sections 29 and 30.

Variation 14° 30' East.

Descend.

- 15.00 Bottom of ravine descends E. & ascend.
- 24.00 Top of spur from E. & descend.
- 34.00 Bottom of deep gulch, descends N.E. & ascend.
- 40.00 Set a sandstone, 30 x 20 x 20 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. 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, alongside. From which marked 1/4 S. A pine 24 ins. diam. bears S. 40° W. 22 lks. dist. A pine 14 ins. diam. bears N. 87° E. 28 lks. dist. marked 1/4 S. P.T.
- 47.00 Top of ridge, bears E. & W. & descend N. slope.
- 55.00 Bottom of ravine, descends N.E. & ascend.
- 62.00 Top of ridge, bears E. & W. & descend N. slope.
- 70.00 Head of ravine, descends S.E. and ascend.
- 75.00 Top of clay ridge, bears N.W. & S.E. thence along E. slope of mountain.
- 80.00 Set a sandstone, 18 x 14 x 6 ins. 12 ins. in the ground, for cor. to secs. 19, 20, 29 & 30. marked with 2 notches on S. & 5 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, alongside.
Lands mountainous. Soil, 3^d rate.
Vegetation, grass. Sparse pine timber.

Township 33 N. Range 46 W. of the 6th Principal Meridian

Chains East, on a random line between Sections 20 and 29. Variation 14° 30' East.

- Ascent.
- 15.00 Top of ridge, bears N. & S. & descend.
- 37.00 Bottom of ravine, descends N.E. & ascend.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 65.00 Top of spur from S.W. & descend.
- 80.25 Intersect N. & S. line 30 lbs. S. of cor. to secs. 20, 21, 28 & 29. Thence I run S. 89° 47' W. on a true line between secs. 20 & 29 with same variation.
- 40.12 Set a sandstone 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 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 alongside.
- 80.25 The cor. to Secs. 19, 20, 29 and 30.

Land mountainous
Soil 3rd rate
Vegetation grass. Sparse pine timber.
~~80.25 Chs. mountainous.~~

Note. I carefully examined the adjustment of my solar compass today. Particularly the latitude and reversing apparatus and found it correct. I also observed for Latitude and obtained 42° 52' N.

Township 33 N. Range 46 W. of the 6th Principal Meridian

Chains West, on a random line between Sections 19 and 30. Variation 14° 30' East.

- 3.00 Top of ridge, bears N.E. & S.W. & descend.
- 12.00 Bottom of ravine, descends N.W.
- 19.00 Bottom of ravine, descends N.E. & S.W. slope.
- 28.00 Top of Ridge, bears N. & S. & descend
- 34.00 Bottom of ravine, descends N. & ascend.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 43.00 Top of high divide, bears N. & S. & descend W. slope
- 70.50 Bottom of deep cañon, descends N.W. & ascend.
- 74.00 Top of spur, bears N. & S. and descend.
- 77.00 Bottom of ravine, descends N.W.
- 80.10 Intersect W. boundary of Twp. 60 lbs. N. of cor. to secs. 19, 24, 25 & 30. Thence I run N. 89° 34' E. on a true line between secs. 19 & 30 with same variation.
- 40.10 Set a sandstone 16 x 10 x 6 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 4 on N. face dug pits 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
- 80.10 The cor. to secs. 19, 20, 29 & 30.

Land mountainous. Soil, 3rd rate.
Vegetation, grass, Sparse pine timber.
~~80.10 Chs. mountainous.~~

Township 33 N. Range 46 W. of the 6th Principal Meridian

Chains

North, between Sections 19 and 20.

Variation 14° 30' East.

- Ascend.
 - 40.00 Top of white clay ridge. bears E. & W. ^{descend.}
 - 15.00 Drain, descends N. W.
 - 40.00 Set a sandstone, 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 4 on W. face. dug pits 18 x 18 x 12 ins. N. & S. of stone. 5 1/2 ft. dist. ^{side} raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, ^{side} alongside.
 - 43.00 Ravine, 100 lks. wide, descends N. W.
 - 51.00 Ravine, 70 lks. wide, descends W. & ascend.
 - 73.00 Top of ridge, bears E. & W. ^{side} leave sparse pine timber. bears E. & W.
 - 80.00 Set a sandstone, ²⁰6 x 6 ins. 15 ins. in the ground for cor. to secs. 17, 18, 19 & 20. marked with 3 notches on S. & 5 notches ^{dug trench 20 lks. N. of cor.} on E. edges, ^{side} raised a mound of earth on North side of stone. Pits impracticable, as cor. falls on ^{side} steep side hill.
- Land, mountainous. Soil, 3^d rate.
Vegetation, grass. Sparse pine timber
80 chs. mountainous.

Township 33 N. Range 46 W. of the 6th Principal Meridian

Chains

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

Variation 14° 30' East.

- 40.00 Stone for temporary 1/4 sec. cor.
- 50.00 Ravine, 150 lks. wide, descends N. E.
- 80.30 Intersect N. & S. line. 20 lks. S. of cor. to secs. 16, 17, 20 & 21. Thence turn S. 89° 31' W. on a true line between secs. 17 & 20, with same wa.
- 40.15 Set a sandstone 10 x 10 x 6 ins. 6 ins. in the ground for 1/4 sec. cor. marked 4 on N. face dug pits 18 x 18 x 12 ins. E. & W. of stone. 5 1/2 ft. dist. ^{side} raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
- 80.30 The cor. to secs. 17, 18, 19 & 20. Land, rolling. Soil, 2^d rate. Vegetation, grass.

Township

33 N

Range

46 W

of the 6th Principal Meridian

Chains

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

Variation

14° 30'

East.

- 13.50 Drain descends ^{N.W.} and ascends.
- 19.00 Top of ridge bears N. & S. & descends.
- 24.50 Spring branch, 3 lks. wide, descends N.W. at foot of W. slope and ascends.
- 40.00 Set post for temporary $\frac{1}{4}$ sec. cor.
- 43.50 Deep cañon, descends N.W.
- 48.00 Bottom of cañon, descends N & ascends
- 73.00 Top of high divide bears N. & S. & descends
- 79.00 Perpendicular cliff of sandstone, 50 ft. high, breaks W.
- 79.50 Intersect W. boundary of Twp. 20 lks. N. of cor. to secs. 13, 18, 19 & 24. Thence run N. 89° 51' E on a true line between secs. 18 & 19 with same variation
- 39.50 Set a pine post 4 ft long, 4 ins. square with charred stake 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on N. face, dug pits 18 x 18 x 12 ins. E. & W. of post, 5 $\frac{1}{2}$ ft. dist. & raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, around ^{post}
- 79.50 The cor. to secs. 17, 18, 19 & 20.
Land mountainous & broken.
Soil, 3^d rate. Vegetation, grass.
Sparse pine timber.
79.50 chains mountainous.

Township

33 N

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 17 and 18.

Variation

14° 30'

East.

- 20.00 Enter meadow, bears E. & W.
- 40.00 Set sandstone 14 x 12 x 6 ins. 9 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins. N. & S. of stone, 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, alongside
- 41.00 Old wagon road bears N.E. & S.W.
- 60.00 Leave meadow, bears E. & W.
- 79.00 Old wagon road, bears N.W. & S.E.
- 80.00 Set a sandstone, 24 x 16 x 6 ins. 18 ins. in the ground for cor. to secs. 7, 8, 17 & 18, marked with 4 notches on S. & 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base alongside.
Land, rolling.
Soil, 1st & 2^d rate
Vegetation, grass.
J. H. Fairfield Aug 20th 1882.

Township 33 N. Range 46 W. of the 6th Principal Meridian

Chains

East, on a random line between Sections 8 and 17.

Variation 14° 30' East.

- 40.00 Set stone for temporary 1/4 sec. cor.
- 80.47 Intersect the N. and S. line 10 lks. S. of the Cor. to Secs. 8, 9, 16 and 17. From which corner I run S. 89° 56' W. on a true line between Secs. 8 and 17, with the same variation.
- 40.24 Set a sandstone 18x11x6 ins. 12 ins. in the ground, for 1/4 Sec. corner, marked 1/4 on the N. face, dug pits 18x18x12 ins. E. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft high, 4 1/2 ft. base alongside.
- 80.47 The corner to Secs. 7, 8, 17 and 18. Land level. Soil 2^d rate. Vegetation Grass.

Township 33 N. Range 46 W. of the 6th Principal Meridian.

Chains

West, on a random line between Sections 7 and 18.

Variation 14° 30' East.

- 1.00 Old wagon road, bears N.W. & S.E.
- 800 Wash. 60 lks. wide, descends N.E.
- 40.00 Set stone for temporary 1/4 sec. cor.
- 62.00 Washout: 70 lks. wide, descends N.W.
- 79.50 Intersect W. boundary of Tp. 20 lks. N. of cor. to secs. 7, 12, 13 & 18. Thence I run N. 89° 51' E. on a true line between secs. 7 & 18 with same variation.
- 39.50 Set a sandstone 16x12x4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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, alongside.
- 79.50 The cor. to secs. 7, 8, 17 & 18. Land. rolling. Soil. 2^d rate. Vegetation. grass.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian

Chains

North, between Sections 7 and 8

Variation 14° 15' East.

- 31.00 Marshy Drain, 20 lks. wide, descends N.E.
- 38.00 Ft. Robinson & Pine Ridge Agency, telegraph line, bears N.E. & W.
- 40.00 Set a sandstone, 18 x 14 x 3 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. in each sec. 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
- 59.00 Ft. Robinson & Pine Ridge Agency, Wagon Road, bears N.E. & S.W.
- 80.00 Set a sandstone, 24 x 20 x 3 ins. 18 ins. in the ground for cor. to secs. 5, 6, 7 & 8. marked with 3 notches on S & 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, alongside. Land, gently rolling. Soil, 2^d rate. Vegetation, grass and weeds.

Township

33 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- 40.00 Set stone for temporary 1/4 sec. cor.
- 53.00 Ft. Robinson & Camp Sheridan, wagon road, bears N.E. & S.W.
- 55.10 Intersect W. boundary of camp Sheridan Military Reservation 26.20 chs. S. of M.P. No. 11
- 62.00 Drain, 30 lks. wide, descends N.E.
- 74.00 Drain 10 lks. wide descends N.W.
- 80.06 Intersect N. & S. line 4 lks. N. of cor. to secs. 4, 5, 8 & 9; thence I run N. 89° 58' W. on a true line between secs. 5 & 8 with same wd.
- 24.96 Set a sandstone 14 x 12 x 3 ins. 9 ins. in the ground, 26.20 lks. S. of post No. 11, marked C.C. M.P. on W. face, dug pits 18 x 18 x 12 ins. N., S. & W. of stone, 5 1/2 ft. dist. & raised a mound of earth alongside.
- 40.03 Set a Sandstone, 16 x 10 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, dug pits 18 x 18 x 12 ins. E. & W. of stone, 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
- 80.06 The cor. to secs. 5, 6, 7 & 8. Land, gently rolling. Soil, 2^d rate. Vegetation, grass and weeds.

Township

33 N. Range 46 W.
of the 6th Principal Meridian

Chains

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

Variation 14° 30' East.

- 25.00 Washout, 80 lbs. wide, descends N.W.
 40.00 Set a stone for temporary $\frac{1}{4}$ sec. cor.
 69.00 Washout, 100 lbs. wide descends N.W.
 79.40 Intersect W. boundary of Township
 50 lbs. N. of cor. to secs. 1, 6, 7 & 12. Thence drain
 N. 89° 39' E. on a true line between secs.
 6 & 7, with same variation.
 39.40 Set a sandstone, 16 x 10 x 3 ins. 10 ins.
 in the ground, for $\frac{1}{4}$ sec. cor. marked
 on N. face, dug pits 18 x 18 x 12 ins. E. & W.
 of stone 5 $\frac{1}{2}$ ft. dist. ⁹ raised a mound
 of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, alongside.
 79.40 The cor. to secs. 5, 6, 7 & 8.
 Land, gently rolling.
 Soil, 2^d rate
 Vegetation, grass and weeds.

Township

33 N. Range 46 W.
of the 6th Principal Meridian.

Chains

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

Variation 14° 15' East.

- 110.00 Set stone for temporary $\frac{1}{4}$ sec. cor.
 42.00 Enter grassy drain 100 lbs. wide descends N.
 52.00 Leave drain descends N.E.
 66.00 Drain, 20 lbs. wide, descends E.
 79.10 Intersect North boundary of Township
 70 lbs. west of cor. to secs. 5, 6, 31 & 32.
 Thence I run
 S. 30' W. on a true line between secs.
 5 & 6 with same va.
 39.10 Set a sandstone 16 x 12 x 3 ins. 10 ins. in
 the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 on N. face, dug pits 18 x 18 x 12 ins.
 N. & S. of stone 5 $\frac{1}{2}$ ft. dist. ⁹ raised
 a mound of earth, 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft.
 base, alongside.
 79.10 The cor. to secs. 5, 6, 7 & 8.
 Land, gently rolling.
 Soil, 2^d rate
 Vegetation, grass and weeds.
 J. H. Fairfield Aug 21st 1882.

GENERAL DESCRIPTION.

The land in this Township is mostly broken and mountainous though parts are rolling and the soil is of good quality. Beaver Creek flows North through the central portion and there are some good Ranches in the valley. The abandoned buildings of the Military Camp - Camp Sheridan - are in Secs 4 and 9. Mr Powers has a Ranch in the S. W. 1/4 of Sec. 4. The Telegraph line and wagon road from Pine Ridge Agency to Fort Robinson cross the N. W. portion and there are numerous other roads in the township. There is valuable timber in the southern portion and good building stone are abundant.

I hereby certify that in the survey of the foregoing Exterior Lines, where stone smaller than the size were set, it was on account of the scarcity of stone in the vicinity. Wherever the country was accessible by wagons, I hauled suitable stone for corner monuments; and where the pits were not dug 12 ins. deep it was owing to the nature of the ground which made it impracticable to dig them deeper with pick and spade.

Joseph H. Fairfield
U.S. Dep. Surveyor

Final Oaths for Surveys.

LIST OF NAMES.

A list of the names of the individuals employed by Joseph H. Fairfield, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field-notes of the survey of the Subdivision Lines and

Retracings of Townships 34^{and} 35 N. Ranges 41 N. Tp. 35 N. R. 42 N. Tps. 34^{and} 35 N. R. 43 N. and Townships 33, 34^{and} 35 N. Ranges 44, 45^{and} 46 N. of the 6th Priv. Mer. Nebraska.

showing the respective capacities in which they acted.

John L. Propst, Compassman.

William H. Gingery, Chainman.

William Pickett, Chainman.

Virgil M. Mullis, Chainman.

Henry S. Miller, Chainman.

Michael Grubbs, Axeman.

Oscar L. Meek, Axeman.

Henry F. Baer, Flagman.

Ernest W. Foots, Flagman.

For application to the Surveyor General, U.S. Department of the Interior, Washington, D.C.

Final Oaths of Assistants.

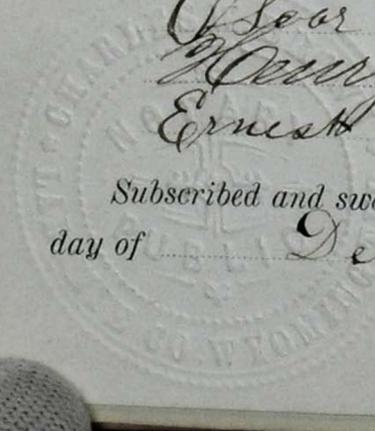
We hereby certify that we assisted Joseph H. Fairfield, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision Lines and Retracings of Townships 34th & 35th N. Range 41st W. Tps 34th & 35th N. R 42nd W. Tps 34th & 35th N. R 43rd Wnd Townships 33, 34 & 35 N. Ranges 44, 45th and 46th W. all North of the base and West of the 6th Prime Meridian, in the State of Nebraska, as are represented in the foregoing field-notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor-General for Nebraska.

- John L. Propst, Compassman.
- William H. Gingery, Chainman.
- William C. Cockett, Chainman.
- Virgil Mullis, Chainman.
- Henry D. Miller, Chainman.
- Michael Gibbins, Axeman.
- Oscar J. Hays, Axeman.
- Henry J. Baer, Flagman.
- Ernest W. Foot, "

Subscribed and sworn to before me this 20th day of December, 1882.

Charles N. Brown
Notary Public

Queen E. Ford



Final Oath of United States Deputy Surveyor.

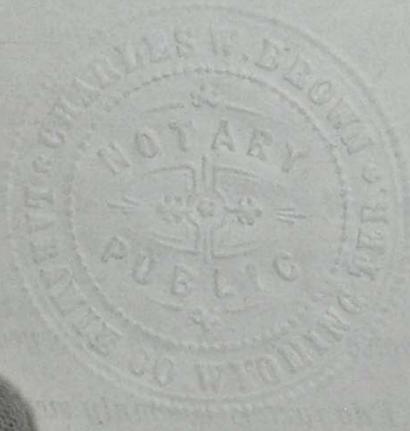
I, Joseph H. Fairfield, United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from George S. Smith, United States Surveyor-General for Nebraska, bearing date of the Sixth day of June, A.D., 1882, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Nebraska, the surveying manual, and the laws of the United States, surveyed all those parts or portions of the Subdivision Lines and Retracings of Townships 34th and 35th N. Range 41st W. Tps 34th & 35th N. R 42nd W. Tps 34th & 35th N. R 43rd Wnd and Townships 33, 34th and 35th N. Ranges 44, 45th and 46th W. all north of the Base Line ~~base and~~ and West of the 6th Meridian in the State of Nebraska, as represented in the foregoing field-notes as having been surveyed by me and under my directions; and I do further solemnly swear

that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States Surveyor-General for Nebraska, and in the specific manner described in the field-notes, and that the foregoing are the true field-notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an Act of Congress, approved August 8, 1846.

Joseph H. Fairfield
United States Deputy Surveyor.

Subscribed and sworn to before me this 20th
day of December, 1882.

Charles H. Brown
Notary Public



U. S. Surveyor-General's Office.

Cheyenne, Wyoming.

Platts mouth, Neb. 1883.

The foregoing Field Notes of the ^{Retracing, and} surveys of
the Subdivision Lines of
Township No. 33 N. of Range No. 46 West of Principal Base ^{and}
6th Principal Meridian in the ^{State of Nebraska,} Territory of Wyoming

executed by Joseph H. Fairfield
U. S. Deputy Surveyor, under his contract ^{No. 7} dated
June 6, 1882, in the month
of August 1882,
having been critically examined, the necessary cor-
rections and explanations made, the said Field Notes
and the surveys they describe are hereby approved.

Geo. A. Smith

U. S. Surveyor-General for Wyoming.

Nebraska & Iowa

Joseph H. Fairfield Deputy Surveyor.

T. *34* **N. R.** *46* **W.**

of the Sixth Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *34* North, Range *46* West.

Sixth Principal Meridian.

BY

Joseph H. Fairfield Deputy Surveyor.

Under his Contract of *June 6th* 1882

Survey Commenced *August 14th* 1882.

Survey Completed *August 17th* 1882.

Platted,

Copied for Washington,

Copied for Register,

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

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at Washington, D. C., in the year 1880.

Township 34 N Range 46 W

of the 6th Principal Meridian.
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Township..... Range.....

Meridian.

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

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Township..... Range

Meridian.

Township 34 N Range 46 W

of the 6th Principal Meridian.

Before proceeding to subdivide this Township
I set my compass at the corner to sections
5, 6, 31 and 32 on the South boundary of
the township and thoroughly tested
it. particularly the latitude and revers-
ing apparatus and found it to be
in perfect adjustment.
I also observed for Latitude
and found $42^{\circ} 53'$ North to
be correct.

Township 34 N Range 46 W
of the 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 14° 20' East.

From cor. ascend S.E. Slope

- 16.00 Top of spur from N.E. + descend.
 - 33.25 Bottom of gulch descends S.W. + ascend
 - 40.00 Set a sandstone 12 x 8 x 6 ins. 9 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. From which a Pine, 11 ins. in diam bears S. 28 lbs. dist marked 1/4 S.W. Pine 12 ins. in diam br. 9.30 E. 45 lbs. dist marked 1/4 S.W.
 - 49.25 Top of divide br. E. + N.W. + leave sparse pine timber br. E. + W.
 - 54.00 Descend N. side of divide
 - 80.00 Set a sand stone 24 x 10 x 6 ins. 18 ins. in the ground, for cor. to Secs. 25, 26, 35, + 36. marked with 1 notch on S. + W. E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist, and raised a mound of earth 3 ft. high, 4 1/2 ft. base along side
- Land mts. ~~—~~
Soil 2nd rate
Vegetation grass. sparse pine timber
~~S. E. mts.~~

Township 34 N Range 46 W
of the 6th Principal Meridian

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

Variation 15° — East.

Ascend.

- 32.00 Top of divide br. N.W. + S.E. + descend
 - 40.00 Set Stone for Temp. 1/4 sec. cor.
 - 47.00 Bottom of ravine descends S.E. + ascend S.W. slope.
 - 79.44 Intersect E. boundary of Sp. 35 W. S. of cor. to Secs. 25, 26, 31 + 36. Hence saw 89° 45' W. on a true line between sections 25 + 36 with same Va.
 - 39.72 Set a sandstone 16 x 14 x 5 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. + W. of stone 5 1/2 ft. dist, and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side.
 - 79.44 The cor. to Secs. 25, 26, 35 + 36.
- Land mts.
Soil 2nd rate
Vegetation grass.
79.44 Chs. mountainous —

Township 34 N Range 46 W

of the 6th Principal

Meridian.

Chains North, between Sections 25 and 26

Variation 14° 25' East.

Ascend

13.00 Bottom of ravine descends N.W. + ascend. same on W. slope

40.00 Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 15 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 along side.

81.00 Set a sand stone 23 x 10 x 6 ins. 17 ins. in the ground, for cor. to secs. 23, 24, 25 + 26. marked with 2 notches on S. + 1 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 4 ft. high 4 1/2 ft. base along side.

Land mt. + rolling

Soil 1 + 2nd rate

Vegetation grass.

Township 34 N Range 46 W

of the 6th Principal

Meridian.

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

Variation 15° — East.

Ascend

5.50 Top of divide bet N. + S.E. + descend

23.00 Bottom of gulch descends N.W. + Enter sparse pine timber bet North and south

30.00 Top of spur from S.E. + descend

34.25 Bottom of gulch descends N.W. + ascend. Leave sparse pine timber bet. N. + S.

40.00 Set stone for temp. 1/4 sec. cor.

76.00 Top of spur from S.E. + descend

79.30 Intersect E. boundary of Tp. 32 Ets. S. of cor. to Secs. 19, 24, 25 + 30 Hence a run S. 89° 46' then a true line between secs. 24 + 25 with same ea.

89.65 Set a sand stone 24 x 8 x 4 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. 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 alongside.

79.30 The cor. to Secs. 23, 24, 25 + 26.

Land mt.

Soil 1 + 2nd rate

Vegetation grass. + Pine in gulches.

79.30 Chs. no mountainous

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 23 and 24. Variation 14° 25' East.

Descend.

38.50 Bottom of slope in drain descends N.E. + ascend

40.00 Set a Limestone 15x10x8 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. 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 alongside

65.00 Top of spur from S.W. + descend

80.00 Set a sandstone 24x10x3 ins. 18 ins. in the ground, for cor. to Secs. 13, 14, 23 + 24 marked with 3 notches on S. + 1 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 alongside

Land Rolling

Soil 1st and 2nd rate

Vegetation grass + pine in drain

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains East, on a random line between Sections 13 and 24. Variation 14° 45' East.

Ascend

3.00 Top of spur from S.W. + descend

15.50 Bottom of gulch descends N. + ascend

36.00 Top of spur from S. + descend

40.00 Set stone for 1/4 sec. cor.

62.00 Bottom of divide in drain descends N.W. + ascend

79.42 Intersect E. boundary of Tp. 5 Sec. 13 of cor. to Secs 13, 18, 19 + 24 thence run N. 89° 05' W. on a true line between Secs. 13 + 24 with same Sta.

89.71 Set a sandstone 14x10x6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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 alongside.

79.42 The cor. to Secs. 13, 14, 23 + 24.

Land mountainous

Soil 1st and 2nd rate

Vegetation grass, sparse pine in gulch

Township 34 N. Range 46 W. Meridian. of the 6th Principal

Chains North, between Sections 13 and 14.

Variation 14° 25' East.

- Descend N. W. slope
- 12.50 Telegraph line from H. Robinson to Pine ridge agency brs. N.E. + S.W.
- 26.50 Bottom of gulch descends N.E. + ascend.
- 36.00 Top of spur from S.W. + descend
- 40.00 Set a sand stone 20 x 10 x 4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. from which a pine 24 ins. in diam. brs. N. 30° W. 32 lbs. dist. marked 1/4 S.E. A. Pine 14 ins. in diam. brs. S. 15° E. 70 lbs. dist. marked 1/4 S.E.
- 40.75 Bottom of gulch descends E. + ascend.
- 53.50 Top of spur from W. + descends + enter Pine bears E. + W.
- 63.75 Bottom of ravine descends E. + ascend
- 80.00 Set a sand stone 16 x 10 x 6 ins. 11 ins. in the ground. for cor. to secs. 11, 12, 13 + 14 marked with 4 notches on E. + 1 on E. edges. From which a pine 15 ins. in diam. brs. N. 11° E. 24 lbs. dist. marked J. 34 R. 46 S. 12 B.T. A pine 10 ins. in diam. brs. S. 74° W. 22 lbs. dist. marked J. 34 R. 46 S. 14 B.T. - a pine 8 ins. in diam. brs. N. 70° W. 54 lbs. dist. marked J. 34 R. 46 S. 11 B.T. dug a pit in sec. 13.
- Land mts.
- Soil 2nd rate
- Vegetation grass. Pine timber
- 80. lbs. mountainous.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

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

Variation 14° 45' East.

- Run on S. slope
- 40.00 Set stone for Temp. 1/4 sec. cor.
- 46.00 Telegraph line from H. Robinson to Pine ridge agency brs. N.E. + S.W.
- 52.00 Bottom of slope in ravine descends N.E. + ascend
- 69.00 Top of spur from S. + descend
- 79.32 Intersect E. boundary of T. 10 E. brs. N. of cor. to Secs. 7, 12, 13 + 18. Thence S. 89° 56' W. on a true line between secs. 12 + 13. with same N.
- 39.66 Set a sandstone 14 x 8 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. From which a pine 10 ins. in diam. brs. S. 70° W. 19 lbs. dist. marked 1/4 S.E. dug 6. Pit.
- 79.32 The cor. to Secs. 11, 12, 13 + 14
- Land mts
- Soil 2nd rate
- Vegetation grass. Pine, Box Elder. + Elm timber in diam
- 79.32 Chs. mountainous.

J. H. Fairfield Aug 14th, 1882.

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 11 and 12. Variation 140 25' East.

Ascend
8.00 Top of spur from W. + descend
39.75 Bottom of gulch descends E. + ascend.
40.00 Set a Red Cedar post 4 ft. long 4 ins square 31 ins in the ground. for 1/4 sec. cor. marked 1/4 on N. face. From which a pine 13 ins. in diam brs S. 45° E. 6 lks. dist. marked 1/4 + 13 1/2. dug N. Pit.
55.00 Top of high divide brs N. E. + S. W. + descend on W. slope
61.00 Leave Pine timber brs. N.E. + W.
65.00 Bottom of divide brs N. E. + S. W.
80.00 Set a sandstone 14 x 14 x 12 ins. 10 ins. in the ground. for cor. to secs 1, 2, 11 + 12. marked with 5 notches on S. + 1 on E. edges. dug pits 18 x 18 ins in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 1 1/2 ft. base alongside. Land mountainous + Broken Soil 2nd rate Vegetation grass. Pine timber. 65. Chs. mountainous. 15. Chs broken.

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains East, on a random line between Sections 1 and 12. Variation 140 45' East.

From cor. ascend W. slope.
31.50 Enter Pine brs. N. + S.
28.00 Top of high divide brs. N.E. + S.W. + descend. Leave pine brs. N. + S.
40.00 Set stone for Temp. 1/4 sec. cor.
74.25 Old trail brs. N.E. + S.W. at Bare Mountains brs. N. + S.
79.48 Intersect E. boundary of Tp. 22 lks. N. of cor. to secs. 1, 6, 7 + 12. Hence from N. 89° 51' W. on a true line between secs. 1 + 12 with same var.
39.74 Set a sandstone 24 x 14 x 5 ins. 18 ins in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. 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 alongside.
79.48 The cor. to Secs. 1, 2, 11 + 12. Land mts. Soil 2nd rate Vegetation grass Pine timber. 79.48 Chs. mountainous

Township 34 S. Range 46 W.

of the 6th Principal Meridian.

Chains North, on a random line between Sections 1 and 2.
Variation 14° 25' East.

- 19.50 Wash 100 lbs. wide descends N. W.
- 41.00 Set stone for Temp. 1/4 sec. cor.
- 56.00 Wash 75 lbs. wide descends N. W.
- 74.50 Old trail brs. N. E. + S. W.
- 79.83 Intersect N. boundary of T^p. 8 lbs. W. of cor to Secs 1, 2, 35 + 36. Hence I run S. 3° W. on a true line between Secs. 1 + 2 with same va.
- 89.83 Set a sand stone 16x10x6 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. 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, alongside.
- 79.88 The cor. to Secs. 1, 2, 11 + 12
Land rolling
Soil 2nd rate
Vegetation grass.
J. L. Propst. Aug 15th 1882.

Township 34 N. Range 46 W.

of the 6th Principal Meridian.

Chains From the corner to Sections 2, 34 and 35 on the S. boundary line.
North, between Sections 34 and 35.
Variation 14° 20' East.

- Descend.
- 36.00 Bottom of gulch descends S. W. and ascend over W. slope
- 40.00 Set a sand stone 16x12x8 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. From which a pine 6 ins. in diam brs. S. 63° E. 23 lbs. dist., marked 1/4 S. B. T.
- A pine 12 ins. in diam brs. S. 32° W. 27 lbs. dist., marked 1/4 S. B. T.
- 55.00 Bottom of gulch descends N. W. + ascend over W. slope of spur.
- 60.00 Creek 5 lbs. wide runs N. W.
- 80.00 Set a sand stone 18x12x10 ins. 12 ins. in the ground, for cor. to Secs. 26, 27, 34 + 35 marked with 1 switch on S. + 2 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 alongside
Land broken
Soil 3rd rate
Vegetation, grass. sparse pine timber

Township

34 N.

Range

46 W.

of the 6th Principal

Meridian.

Chains

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

Variation 14° 45' East.

- 27.00 Bottom of gulch descends S. W. & ascend N. slope
- 40.00 Set a stone for Temp. 1/4 sec. cor.
- 62.00 Top of divide bet. N. & S. & descend.
- 80.13 Intersect N. & S. line 43 lks. S. of cor. to sec.
- 25.26.35 & 36. Thence S. on a true line between secs. 26 & 35 with same Va.
- 40.06 Set a sand stone 18 x 10 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. 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, alongside
- 80.13 The cor. to Secs. 26, 27, 34 & 35
Land Broken
Soil 3rd rate
Vegetation grass, sparse pine timber

Township

34 N.

Range

46 W.

of the 6th Principal

Meridian.

Chains

North, between Sections 26 and 27.

Variation 14° 20' East.

- 12.00 Bottom of gulch descends N. W. and ascend over N. slope
- 39.00 Bottom of Ravine descends S. W. & ascend, along N. slope.
- 40.00 Set a sand stone 17 x 8 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.
- 70.00 Ft. Robinson & Pine Ridge agency telegraph line bet. N. E. & S. W.
- 80.00 Set a sand stone 15 x 10 x 6 ins. 10 ins. in the ground, for cor. to sec. 22, 23, 26 & 27 marked with 2 notches on S. & E. edges. From which a pine 6 ins. in diam bet. S. 25° W. 45 lks. dist., marked T. 34 R. 46 S. 27 B. T. dug pits 18 x 18 x 12 ins. in sec. 22, 23 & 26. and raised mound of earth alongside stone.
- Land Broken
- Soil 3rd rate
- Vegetation grass, sparse pine timber

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains

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

Variation East.

From the corner to secs. 22, 23, 26 & 27 it is impossible to run East between secs. 23 & 26 on account of impassible sandstone precipices. I therefore abandon the line.

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains

North, between Sections 22 and 23.

Variation 140 20' East.

6.00 Top of spur. of sand stone wall 80 ft. high from S. E. + descend

23.00 Bottom of ravine descends N. W. + ascend over W. slope

36.00 Bottom of ravine descends S. W. + ascend over E. slope.

40.00 Set a sand stone 20x14x7 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 W. face. From which a pine 22 ins. in diam, brs. S. 55° E. 10 lks. dist marked 1/4 S. B. T. a pine 5 ins. in diam, brs. N. 73° W. 48 lks. dist. marked 1/4 S. B. T.

68.50 Bottom of ravine descends S. E. + ascend S. slope.

77.40 To the base of a perpendicular sand stone wall 200 ft. high, brs. E. + W. at which point I set a sand stone 14x12x7 ins. 10 ins. in the ground, for witness corner to Sections 14, 15, 22 and 23 marked 3 notches in the South and 2 on E. edges "W.C." on S.E. side. dug pits 18x18 + 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base along side. from which a pine 4 ins in diam, brs. N. 35° W. 24 lks dist. marked 3/4 R. 46 S. T. A Pine 12 ins. in diam, brs. S. 23° W. 21 lks. dist. 3/4 R. 46 S. 22 B. T. A Pine 14 ins in diam, brs. N. 76° E. 26 lks. dist marked 3/4 R. 46 S. T. A Pine 12 ins in diam, brs. S. 8° E. 14 lks. dist. marked 3/4 R. 46 S. 23 B. T.

80.00 The true point for corner to secs. 14, 15, 22 & 23 inaccessible. Land mountainous & broken. Soil 3rd soil. Vegetation grass. Sparse pine timber. 77.40 Chs. mountainous. 2.60 Chs. broken

Township 34 N. Range 46 W. of the 6th Principal Meridian.

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

Variation East.

Note. It is impossible to run East between sections 14 and 23 on account of impassible sand stone precipices. I therefore abandon this line.

Township 34 N. Range 46 W. of the 6th Principal Meridian.

Chains North, between Sections 14 and 15.

Variation 14° 20' East.

W.C. to sec. 14, 15, 22 & 23.

From cor. offset 15 chs. W. on account of impassible
 40.00 wallow line thence N. 2.60^{chs.} to a point 15 chs. W.
 of true point for cor. thence N. over W. slope
 offset 15 chs. E. to line line and set a sand stone
 15 x 8 x 5 ins. 10 ins. in the ground, for 14 sec. cor.
 marked 14 on the 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 alongside. Thence North
 59.00 Creek 5 chs. wide runs N.W. + ascend over W. slope
 74.00 Bottom of gulch descends S. W. + ascend over W. slope
 80.00 Set a sand stone 18 x 12 x 4 ins. 12 ins. in the ground,
 for cor. to S. sec. 10, 11, 14 + 15. marked with 4
 notches on S. + 2 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 alongside.
 Land into.
 Soil 3rd rate.
 Vegetation grass. sparse pine timber
 80.00 Chs. mountainous

Note. I carefully examined the adjustment of my solar compass today. particularly the latitude and reversing apparatus and found it correct. I also observed for latitude and obtained 42° 53' N.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

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

Note. It is impossible to run this line on account of impassible sand stone precipices. I therefore abandon it.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

Chains North, between Sections 10 and 11. Variation 14° 20' East.

Run over W. slope
26.00 Bottom of gulch descends S. W. w base of mountain bet. N.E. + S. W.
40.00 Set a sand stone 17x10x3 ins. 11 ins. in the ground for 4 sec. cor. marked 1/4 on W. 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 alongside.
44.00 Drain 30 lbs. wide descends W.
71.00 Wagon road from Ft. Robinson to Pine Ridge agency bet. N.E. + S. W.
80.00 Set a sand stone 17x12x5 ins. 11 ins. in the ground for cor. to sec. 2, 3, 10 + 11 marked with 5 notches on S. + 2 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 alongside.
Sand Rolling. and broken
Soil 3rd rate
Vegetation grass
J. L. Probst. Aug. 14th 1882.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains East, on a random line between Sections 2 and 11.
 Variation 140 45' East.

- 8.00 Nagaw road from Ft Robinson to Pine ridge agency
 bet. N.E. & S.W. and ascend West slope.
- 27.00 Top of divide bet. S.E. & N.W. & descend E. slope.
- 36.00 Bottom of gulch descends N.E. & ascend W. slope
- 40.00 Set stone for Temp. 1/4 sec. cor.
- 80.44 Intersect N. & S. line 58 Chs. of cor. to secs. 1, 2, 11 & 12
 Thence run S. 89° 44' W on a true line between
 secs. 2 & 11 with same Va.
- 40.22 Set a sandstone 16 x 12 x 4 ins. 11 ins. in the
 ground, for 1/4 sec. cor. marked 1/4 on N. face.
 dug pits 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist.,
 and raised a mound of earth 1 1/2 ft. high,
 3 1/2 ft. base along side.
- 80.44 The cor. to secs. 2, 3, 10 & 11
 Land mts. ^{and} broken.
 Soil 3rd rate
 Vegetation grass.
 72.44 Chs. mountainous.
 S. Chs. broken.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains North, on a random line between Sections 2 and 3.
 Variation 140 20' East.

- 38.00 Ascend. Ridge bet. N.W. & S.E.
- 40.00 Set stone for Temp. 1/4 sec. cor.
- 64.00 Top of divide bet. N.W. & S.E.
- 80.59 Intersect N. boundary of Tp. 40 N. E. of cor. to
 Secs. 2, 3, 34 & 35 Thence run S. 17° E. on a true
 line between secs. 2 & 3. with same Va.
- 40.59 Set a sandstone 14 x 10 x 4 ins. 10 ins. in the
 ground, for 1/4 sec. cor. marked 1/4 on W. face.
 dug pits 18 x 18 x 12 ins. 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
 along side.
- 80.59 The cor. to Secs. 2, 3, 10 & 11.
 Land rolling
 Soil 3rd rate
 Vegetation, grass sparse pine timber
 J. L. Propst. Aug 15th 1882.

Township 34 N Range 46 W

of the 6th Principal

Meridian.

From the cor. to Secs. 33, 34 and 34 on the S. boundary of sec.
North, between Sections 33 and 34.

Variation 140 20' East.

- 14.00 E. fork of Beaver creek 10 lks. wide runs N. W.
- 17.00 E. fork of beaver creek 10 lks. wide runs N. E.
- 26.00 Beaver creek. dry. descends N. W.
- 36.00 Old wagon road hrs. N. W. + S. E.
- 40.00 Set a Lime stone 15 x 10 x 4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. N. + S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.
- 77.00 Drain 20 lks. wide descends N. W.
- 80.00 Set a Lime stone 20 x 14 x 5 ins. 15 ins. in the ground. for cor. to Secs. 27, 28, 33 + 34 marked with 1 notch on S. + E. on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base alongside.
- Land level
Soil 2nd rate.
Vegetation grass.

Township 34 N Range 46 W

of the 6th Principal

Meridian.

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

Variation 140 45' East.

- 40.00 Set stone for Temp. 1/4 sec. cor.
- 49.00 Telegraph line from Ft. Robinson to Pine Ridge agency hrs. North East and South West.
- 79.52 Intersect N. + S. line 16 lks. N. of cor. to Secs. 26, 27, 34 + 35 fence from N. 89° 53' W. on a true line between sec. 27 + 34 with same ba.
- 39.76 Set a lime stone 13 x 10 x 4 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. 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 alongside.
- 79.52 The cor. to Secs. 27, 28, 32 + 34
Land rolling
Soil. 2nd rate
Vegetation. grass

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains

North, between Sections 27 and 28.

Variation 140° 20' East.

- 34.00 Drain 30 lks. wide descends N. W.
 40.00 Set a Limestone 14 x 12 x 5 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. N. & S. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base along side.
 70.00 Drain 25 lks. wide descends N. W.
 80.00 Set a Limestone 20 x 9 x 5 ins. 15 ins. in the ground for cor. to secs. 21, 22, 27, 28 marked with 2 notches on S. & 3 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 along side.
 Land level.
 Soil 2nd rate.
 Vegetation grass, + weeds

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains

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

Variation 140° 45' East.

- 36.00 Drain 35 lks. wide descends N. W.
 40.00 Set stone for Temp. 1/4 sec. cor.
 57.00 Drain 40 lks. wide descends S. W.
 80.00 Intersect N. & S. line 18 lks. N. of cor. to secs. 22, 23, 26, + 27. Thence run. N. 89° 52' W. on a true line between secs. 22 + 27 with same bearing.
 40.00 Set a sand stone 14 x 12 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. 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 along side.
 80.00 The cor. to secs. 21, 22, 27 + 28
 Land rolling
 Soil 2nd rate
 Vegetation grass, sparse pine timber

Township 34 N Range 46 W
of the 6th Principal Meridian.

Chains North, between Sections 21 and 22.
Variation 140 15' East.

40.00 Set a Lime stone 16x9x4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. 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 alongside.

80.00 Set a Lime stone 24x15x4 ins. 18 ins. in the ground for cor. to Secs. 15, 16, 21 & 22 marked with 3 notches on S. & 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 alongside.

Land Level

Soil 2nd rate

Vegetation grass & weeds.

Note Unfavorable weather prevented me from observing for Latitude at noon. From previous observations I am sure my compass is in perfect adjustment.

Township 34 N Range 46 W
of the 6th Principal Meridian.

Chains East, on a random line between Sections 15 and 22.
Variation 140 45' East.

30.00 Drain 30 lbs. wide descends N. W.

40.00 Set stone for Temp. 1/4 sec. cor.

42.00 Drain 15 lbs. wide descends S. W. & ascends W. slope of mountain

79.58 Intersect N. & S. line 2.80 ch N. of ^{W.C.} cor. to Secs

14, 15, 22 & 23. Hence I am N. 89° 51' W. in a true line between Secs. 15 & 22 with same cor.

39.79 Set a Lime stone 16x12x5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. 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 alongside.

79.58 The cor. to Secs. 15, 16, 21 & 22

Land rolling

Soil 2nd rate

Vegetation grass, sparse pine timber.

Township 34 N Range 46 W
of the 6th Principal Meridian.

Chains North, between Sections 15 and 16.
Variation 14° 20' East.

- 5.00 Drain 30 lbs. wide descends S. W.
40.00 Set a Limestone 14x12x5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18x18x12 ins. N. & S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base along side.
55.00 Drain 20 lbs. wide descends N. W.
78.00 Drain 10 lbs. wide descends S. W.
80.00 Set a Limestone 20x18x8 ins. 15 ins. in the ground, for Cor. to Secs. 9, 10, 15 & 16 marked with 4 notches on S. & 3 on E. edges. dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2 ft. base along side.
Land rolling
Soil 2nd rate
Vegetation grass, + weeds.

Township 34 N Range 46 W
of the 6th Principal Meridian.

Chains East, on a random line between Sections 10 and 15.
Variation 14° 45' East.

- 5.00 Drain 15 lbs. wide descend S. W.
40.00 Set stone for Temp. 1/4 sec. cor.
60.00 Ascend W. slope
79.65 Intersect N. & S. line 24 lbs. N. of cor. to Secs. 10, 11, 14 & 15 thence I run N. 89° 50' W. on a true line between sec. 10 & 15 with same No.
89.82 Set a Limestone 12x10x6 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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 along side.
79.65 The cor. to sec. 9, 10, 15 & 16.
Land rolling
Soil 2nd rate
Vegetation grass + weeds.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains North, between Sections 9 and 10.
 Variation 140 15' East.

28.00 Wagon road from Ft Robinson to Pine ridge agency
 bro. N.E. + S. 7th.

40.00 Set a Lime stone 20 x 12 x 3 ins. 15 ins. in the
 ground. for 1/4 sec. cor. marked 1/4 on the 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 alongside.

84.00 Set a Lime stone 20 x 12 x 4 ins. 15 ins. in the
 ground for cor. to Secs. 3, 4, 9 + 10 marked with
 5 notches on S. + 3 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 alongside.
 Land rolling
 Soil 2nd rate
 Vegetation, grass + weeds.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains East, on a random line between Sections 3 and 10.
 Variation 140 45' East.

40.00 Set stone for Temp. 1/4 sec. cor.

55.00 Drain 20 lbs. wide descends N. W.

80.02 Intersect N. + S. line 14 lbs. N. of cor. to Secs. 3, 3, 10 + 11
 Thence run N. 89° 54' W. in a true line between Secs.
 3 and 10 with same Va.

40.01 Set a Lime stone 16 x 14 x 3 ins. 11 ins. in the ground.
 for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12
 ins. E. and W. of stone 5 1/2 ft. dist. and raised a
 mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

80.02 The cor. to Secs. 3, 4, 9 + 10.
 Land Rolling
 Soil 2nd rate
 Vegetation grass. + weeds.

Township 34 N. Range 46 W.
of the 6th Principal Meridian.

Chains North, on a random line between Sections 3 and 4.
Variation 140° 20' East.

- 4000 Set a stone for Temp^l sec. cor.
59.50 Drain 30 lks. wide descends N.W.
80.73 Intersect N. boundary of T^o 52 lks. E. of cor. to sec.
3, 4, 33, & 34 Thence I run E. 22' E. on a true line
between sec. 3, & 4, with same V^a.
40.73 Set a Lime stone 16 x 2 x 3 ins. 11 ins. in the
ground, for 1/4 sec. cor. marked 1/4 sec. cor.
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. alongside.
80.73 The cor. to Secs. 3, 4, 9 & 10.
Land Rolling
Soil 2nd rate
Vegetation grass & weeds.
J. H. Fairfield Aug. 15th 1882.

Township 34 N. Range 46 W.
of the 6th Principal Meridian.

Chains North, between Sections 32 and 33.
Variation 140° 20' East.

- 3.00 Beaver Creek 25 lks. wide runs N.W.
14.00 Beaver Creek 25 lks. wide runs N.E.
17.00 Beaver Creek 25 lks. wide runs N.W.
24.00 Beaver Creek 25 lks. wide runs N.E.
26.00 Beaver Creek 25 lks. wide runs N.W.
36.00 Leave creek bottom bet. N.W. & S.E.
40.00 Set a Lime stone 14 x 14 x 8 ins. 10 ins. in the
ground, for 1/4 sec. cor. marked 1/4 sec. cor.
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 alongside.
42.50 Old road bet. N.W. & S.E.
80.00 Set a Lime stone 20 x 14 x 6 ins. 15 ins. in the
ground, for cor. to Secs. 28, 29, 32 & 33. marked
with 1 notch on S. & 4 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
along side.
Land rolling
Soil 2nd rate
Vegetation grass. Elm along creek

Township 34 N. Range 46 W.

of the 6th Principal Meridian.

Chains East, on a random line between Sections 28 and 33.
Variation 14° 45' East.

- 23.00 ^{fork} Beaver creek 25 lks. wide runs N. E.
- 26.00 Beaver creek 25 lks. wide runs S. E.
- 28.00 Beaver creek 25 lks. wide runs N. E.
- 40.00 Set stone for Temp. 1/4 sec cor.
- 41.00 Leave creek bottom bet N. W. & S. E.
- 41.00 Wagon road bet N. W. & S. E.
- 77.00 Drain 30 lks. wide descends N. W.
- 8032 Intersect N. & S. line 43. lks. S. of cor to Secs 27, 28, 33 & 34 Hence true line 89042' W. an a true line between sec. 28 & 33 with same Va.
- 40.16 Set a Line stone 15 x 12 x 7 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. 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 along side
- 80.32 The cor. to Secs. 28, 29, 31 & 33.
Land Rolling
Soil 2nd rate
Vegetation grass. Elm along creek

Township 34 N. Range 46 W.

of the 6th Principal Meridian.

Chains North, between Sections 28 and 29.
Variation 14° 20' East.

- 30.00 Enter creek bottom bet N. W. & S. E.
- 37.00 E fork of Beaver creek 25 lks. wide runs N. W.
- 40.00 Set a Line stone 17 x 9 x 4 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. & S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side
- 41.00 Beaver creek 25 lks. wide runs N. E.
- 45.00 Beaver creek 25 lks. wide runs N. W.
- 48.00 Beaver creek 25 lks. wide runs N. E.
- 49.00 Beaver creek 25 lks. wide runs N. W.
- 72.00 Leave creek bottom bet N. W. & S. E.
- 80.00 Set a Line stone 20 x 14 x 4 ins. 15 ins. in the ground. for cor. to Secs 20, 21, 28, 29 marked with 2 notches on S. & 1/4 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 along side.
Land Rolling
Soil 2nd rate
Vegetation grass, Box Elder along creek.

Township 34 N Range 46 W
 of the 6th Principal Meridian.

Chains East, on a random line between Sections 21 and 28.
 Variation 14° 45' East.

- 1.00 Wagon Road hrs. N.W. + S.E.
 40.00 Set stone for Temp. $\frac{1}{4}$ sec. cor.
 67.00 Drain 30 lbs. wide descends N.W.
 80.24 Intersect N. + S. line @ 6 lbs. S of cor. to Secs.
 21, 22, 27, 28. Thence I run S. $89^{\circ} 45'$
 on a true line between secs. 21 + 28 with a small
 40.12 Set a Lime stone $16 \times 9 \times 4$ ins. 11 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face
 dug pits $18 \times 18 \times 12$ ins. E. + W. of stone
 3 ft. dist., and raised a mound of
 earth $1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base alongside.
 80.24 The cor. to Secs. 20, 21, 28 + 29
 Land rolling
 Soil 2nd rate
 Vegetation grass

Township 34 N Range 46 W
 of the 6th Principal Meridian.

Chains North, between Sections 20 and 21.
 Variation 14° 20' East.

- 4.25 Wagon road hrs. N.W. + S.E.
 45.00 Set a Lime stone $15 \times 12 \times 6$ ins. 10 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face.
 dug pits $18 \times 18 \times 12$ ins. N. + S. of stone $5\frac{1}{2}$ ft. dist., and
 raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base alongside
 50.00 Standing water in drain. 30 lbs. wide des. S.W.
 62.00 Wagon road from RR station to Pine ridge agency hrs. N.E. + S.W.
 65.00 Top of rolling divide hrs. N.W. + S.E.
 80.00 Set a Limestone $17 \times 12 \times 4$ ins. 11 ins. in the
 ground, for cor. to Secs. 16, 17, 20 + 21 marked
 with 3 notches on S. + 4 on E. edges. dug
 pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft.
 dist., and raised a mound of earth 2 ft.
 high. $4\frac{1}{2}$ ft. base alongside.
 Land rolling
 Soil 2nd rate
 Vegetation grass. + weeds

Note Unfavorable weather prevented me from
 observing for latitude at noon.
 From previous tests I am sure my
 compass is in perfect adjustment.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains

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

Variation $14^{\circ} 45'$ East.

- 19.00 Wagon road from Ft Robinson to Pine Ridge Agency
 hrs North East and South West
- 40.00 Set stone for Temp. $\frac{1}{4}$ sec. cor.
- 70.00 Ravine 40 lks. wide descends S. W.
- 80.40 Intersect N. & S. line 15 lks. S. of cor. to sec.
 15, 16, 21 & 22 Hence draw $S. 87^{\circ} 54' W.$ on
 a true line between secs. 16 & 21 with same Va.
- 40.20 Set a Limestone $16 \times 11 \times 4$ ins. 11 ins. in the
 ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face.
 dug pits $18 \times 18 \times 12$ ins. E. & W. of stone $5\frac{1}{2}$ ft
 dist., and raised a mound of earth $1\frac{1}{2}$
 ft. high. $3\frac{1}{2}$ ft. base along side.
- 80.40 The cor. to Secs. 16, 17, 20 & 21
 Land rolling
 Soil 2nd rate
 Vegetation grass.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains

North, between Sections 16 and 17.

Variation $14^{\circ} 15'$ East.

- 40.00 Set a Limestone $16 \times 12 \times 3$ ins. 11 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. dug pits $18 \times$
 18×12 ins. N. & S. of stone $5\frac{1}{2}$ ft. dist., and raised a
 mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side.
- 67.00 Drain 20 lks. wide descends S. W.
- 80.00 Set a Limestone $20 \times 8 \times 5$ ins. 15 ins. in the
 ground, for cor. to Secs. 8, 9, 16 & 17 marked with
 4 notches on S. & E. edges. dug pits $18 \times$
 18×12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and
 raised a mound of earth 2 ft. high. $4\frac{1}{2}$ ft.
 base along side.
 Land rolling
 Soil 2nd rate
 Vegetation grass. & weeds.

Township 34 N. Range 46 W. Meridian.
of the 6th Principal

Chains East, on a random line between Sections 9 and 16.
Variation 14° 45' East.

- 40.00 Set stone for Temp. 1/4 sec. cor.
48.00 Drain 30 lbs. wide descends S.W.
57.00 wagon road from Ft. Robinson to Pine ridge
agency hrs. Ch. E. + S.W.
80.70 Intersect N. + S. line 22 lbs. S. of cor. to Secs.
9, 10, 15, 16 thence run S. 89° 57' W. on a true
line between sec. 9 and 16 with sand bar.
40.35 Set a Limestone 12 x 12 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. 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 along side.
80.70 The cor. to Secs. 8, 9, 16 + 17,
Land rolling
Soil 2nd rate
Vegetation grass + weeds

Township 34 N. Range 46 W. Meridian.
of the 6th Principal

Chains North, between Sections 8 and 9.
Variation 14° 15' East.

- 22.00 Drain 30 lbs. wide descends S.W.
40.00 Set a Limestone 16 x 10 x 4 ins. 11 ins. in the
ground for 1/4 sec. cor. marked 1/4 on W. face
dug pits 18 x 18 x 12 ins. N. + S. of stone 5 1/2
ft. dist., and raised a mound of earth
1 1/2 ft. high. 3 1/2 ft. base along side.
80.00 Set a Limestone 20 x 14 x 5 ins. 15 ins. in the
ground for cor. to Secs. 4, 5, 8 + 9, marked with
5 notches on S. + 4 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 along side.
Land rolling
Soil 2nd rate
Vegetation grass + weeds.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

Chains East, on a random line between Sections 4 and 9. Variation 140 45' East.

2000 Drain 30 lks. wide descends S.W.
4100 Set stone for Temp. 1/4 sec. cor.
80.66 Intersect N. & S. line 46 lks. S. of cor. to secs. 3, 4, 9 & 10. Thence run S. 89° 40' W. on a true line between secs. 4 & 9 with same Va.
4083 Set a Limestone 14 x 10 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 sec. N. face, dug pits 18 x 18 x 12 ins. E. & W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside
80.66 The cor. to Secs 4, 5, 8 & 9. Land rolling Soil 2nd rate Vegetation grass.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

Chains North, on a random line between Sections 4 and 5. Variation 140 15' East.

4000 Set stone for Temp. 1/4 sec. cor.
4800 Top of divide bet. N.W. & S.E.
80.50 Intersect N. boundary of Tp. 12 lks. N. of cor. to Secs. 4, 5, 8 & 9 Thence run S. 5' W. on a true line between secs. 4 & 5 with same Va.
4050 Set a Line stone 17 x 12 x 3 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 sec. N. face, dug pits 18 x 18 x 14 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 alongside
80.50 The cor. to Secs. 4, 5, 8 & 9. Land rolling Soil 2nd rate Vegetation grass. J. H. Fairfield Aug 16th 1882.

Township 34 N. Range 46 W.

of the 6th Principal Meridian.

From the cor. to Secs 5, 6, 31 and 32 on the S. boundary. 8 mi., North, between Sections 31 and 32.

Chains Variation 14° 30' East.

- 3.75 old trail brs. E. + W.
 - 40.00 Set a limestone 18 x 8 x 4 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 15 x 15 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 alongside.
 - 41.75 old trail brs. E. + W.
 - 80.00 Set a limestone 25 x 15 x 5 ins. 18 ins. in the ground. for cor. to Secs. 29, 30, 31 + 32 marked with 1 notch on S. + 5 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 alongside.
- Land rolling
Soil 2nd rate
Vegetation, grass.

Township 34 N. Range 46 W.

of the 6th Principal Meridian.

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

Variation 14° 30' East.

- 28.00 Drain 30 lks. wide descends N.
 - 40.00 Set stone for Temp. 1/4 sec. cor.
 - 58.00 Enter brush brs. N. + S.
 - 68.50 Beaver Creek 20 lks. wide runs N. + leave brush brs. N. + S.
 - 77.00 old trail brs. N. + S.
 - 79.43 Intersect N. + S. line 40 lks. N. of cor. to Secs. 28, 29, 32 + 33. Thence run N. 89° 43' W. on a true line between Secs. 29 + 32 with same va.
 - 39.71 Set a Limestone 15 x 12 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. + W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base alongside.
 - 79.43 The cor. to Secs. 29, 30, 31 + 32.
- Land rolling
Soil 2nd rate
Vegetation grass. Brush on creek.

Township 34 N. Range 46 W. Meridian, of the 6th Principal

Chains West, on a random line between Sections 30 and 31. Variation 14° 50' East.

- 40.00 Set stone for Temp. 1/4 sec. cor.
- 64.00 old trail hrs. N. W. + S. E.
- 79.56 Intersect W. boundary of Tp. 40 lks. N. of cor. to Secs. 25, 30, 31 + 36. Hence run N. 89° 42' E. on a true line between sec. 30 + 31 with same Va.
- 39.56 Set a limestone 15 x 8 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. 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 alongside.
- 79.56 The cor. to Secs. 29, 30 31 + 32
Sand rolling
Soil 2nd rate
Vegetation grass.

Township 34 N. Range 46 W. Meridian, of the 6th Principal

Chains North, between Sections 29 and 30. Variation 14° 25' East.

- 34.00 Drain 3 lks. wide descends N. W.
- 40.00 Set a limestone 15 x 12 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. N. + S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside.
- 78.00 Wagow road from Ft. Robinson to Pine ridge agency bears North East + south west.
- 80.00 Set a limestone 24 x 18 x 7 ins. 18 ins. in the ground, for cor. to sec. 19, 20, 29 + 30 marked with 2 notches on S. + 5 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 alongside
Sand rolling
Soil 2nd rate
Vegetation grass.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

Chains East, on a random line between Sections 20 and 29. Variation 14° 30' East.

- 3000 wagon road from Ft Robinson to Pine ridge agency brs. N.E. + S.W.
- 4000 Set stone for Temp 1/4 sec. cor.
- 6000 Cross Beaver Creek 15 lks. wide runs N. + E. into brush brook + S.
- 6400 Beaver Creek 15 lks. wide runs S. W.
- 6900 Beaver Creek 15 lks. wide runs N. + E. coarse brush brook + S.
- 7965 Intersect N. + S. line 50 lks. N. of cor. to Secs. 20, 21, 28 + 29 Thence I run N. 89° 39' W. on a true line between secs. 20 + 29 with same Va.
- 39.83 Set a limestone 15 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. 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 along side
- 7965 The cor. to secs. 19, 20, 29, + 30
Land rolling
Soil 2nd rate
Vegetation grass.

Township 34 N. Range 46 W. Meridian. of the 6th Principal

Chains West, on a random line between Sections 19 and 30. Variation 14° 30' East.

- 4000 Set stone for Temp 1/4 sec. cor.
- 4650 Drain 20 lks. wide descends N.
- 78.34 Intersect W. boundary of Tp. 31 lks. N. of cor. to Secs. 19, 24, 25 + 30. Thence I run N. 89° 47' E. on a true line between secs. 19 + 30 with same Va.
- 38.34 Set a limestone 16 x 10 x 4 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18 x 18 x 12 ins. E + W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base along side.
- 78.34 The cor. to Secs. 19, 20, 29 + 30.
Land rolling.
Soil 2nd rate.
Vegetation grass.

Township

34 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

North, between Sections 19 and 20.

Variation 14° 20' East.

- 40.00 Set a limestone 16x10x5 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. 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 along side.
- 73.00 old trail bet. N. W. & S. E.
- 80.00 Set a limestone 22x10x6 ins. 16 ins. in the ground, for cor. to Secs. 17, 18, 19, 20. marked with 8 notches on S. & 5 on E. edges. dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.; and raised a mound of earth 2 ft. high, 4 1/2 ft. base along side.
- Land rolling
- Soil 2nd rate
- Vegetation grass.

Township

34 N.

Range

46 W.

of the 6th Principal Meridian.

Chains

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

Variation 14° 30' East.

- 14.50 Beaver Creek 20 lks. wide runs N.
- 40.00 Set stone for Temp. 1/4 sec. cor.
- 79.71 Intersect N. & S. line 37 lks. N. of cor. to Secs. 16, 17, 20 & 21. Thence run 89° 44' W. on a true line between Secs. 17 & 20 with course Va.
- 39.85 Set a limestone 22x15x4 ins. 16 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. 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 along side.
- 79.71 The cor. to Secs. 17, 18, 19 & 20.
- Land rolling
- Soil 3rd rate
- Vegetation grass. sparse Elm timber on Creek

Note I carefully examined the adjustment of my solar compass today, particularly the latitude and reversing apparatus and found it correct. I also observed for Latitude and obtained 42° 53' N.

Township 34 N Range 46 W
 of the 6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19, Variation $14^{\circ} 50'$ East.
9.75	Old trail by N.W. & S.E.
33.00	Drain 30 lks. wide descends N.W.
40.00	Set stone for Comp. 1/4 sec. cor.
77.88	Intersect W. boundary of Twp. 13 lks. d. of cor to secs. 13, 18, 19 & 24. Thence run S. $87^{\circ} 54' E$, on a true line between sect. 18 & 19 with varied lks.
37.88	Set a limestone $15 \times 14 \times 4$ ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 sec. N. face, dug pits $18 \times 18 \times 12$ ins. E. & W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 ft. high base alongside.
77.88	The cor. to secs. 17, 18, 19 & 20 Land rolling Soil 2 nd rate Vegetation grass

Township 34 N Range 46 W
 of the 6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation $14^{\circ} 20'$ East.
13.00	Beaver Creek 25 lks. wide runs W.
24.50	Beaver Creek 25 lks. wide runs N. E.
30.00	Beaver Creek 25 lks. wide runs N. W.
32.00	Leave creek bottom lks. N.W. + S.E. + ascend
40.00	Set a sand stone $16 \times 10 \times 3$ ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 sec. W. face. dug pits 18×18 $\times 12$ 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 alongside.
54.00	Top of hill by N.E. + S.W. + descend.
74.00	Drain 30 lks. wide descends S.W.
80.00	Set a sandstone $18 \times 8 \times 6$ ins. 12 ins. in the ground, for cor. to secs. 7, 8, 17 & 18 marked with 4 notches on S & S on E. edges. dug pits $18 \times 18 \times 12$ ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside. Land rolling Soil 3 rd rate Vegetation grass. Elm & cottonwood timber along creek

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains East, on a random line between Sections 8 and 17.
 Variation $14^{\circ} 45'$ East.

- 6.00 Top of hill bet N.E. + S.W. + descend
 28.00 Drain 20 lks. wide descends S.E.
 40.00 Set stone for temp. $\frac{1}{4}$ sec. cor.
 67.00 Drain 35 lks. wide descends S.W.
 79.88 Intersect N. + S. line 58 lks. W. of cor. to secs.
 8, 9, 16 + 17 thence run N. $89^{\circ} 35'$ W. on a true line
 between secs. 8 + 17 with same Va.
 39.94 Set a sandstone $17 \times 10 \times 6$ ins. 11 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins.
 E. + W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of
 earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
 79.88 the cor. to secs. 7, 8, 17 + 18
 Land Broken
 Soil 3rd rate
 Vegetation grass
 J. L. Probst. Aug. 16th 1882.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains West, on a random line between Sections 7 and 18.
 Variation $14^{\circ} 50'$ East.

- 40.00 Set stone for temp. $\frac{1}{4}$ sec. cor.
 41.00 Drain 30 lks. wide descends S.W. + ascend.
 45.00 Top of broken hill + descend. Enter valley bet N.W. + S.E.
 78.50 Intersect W. boundary of Tp. 47 lks. S. of cor. to
 secs. 7, 12, 13 + 18 thence run S. $89^{\circ} 40'$ E. on a true
 line between secs. 7 + 18 with same Va.
 38.50 Set a sandstone $16 \times 14 \times 3$ ins. 11 ins. in the ground,
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face dug pits
 $18 \times 18 \times 12$ ins. E. + W. of stone $5\frac{1}{2}$ ft. dist.,
 and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside.
 78.50 The cor. to secs. 7, 8, 17 + 18
 Land Broken + Rolling
 Soil 2nd + 3rd rate
 Vegetation grass, sage + weeds.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains North, between Sections 7 and 8
 Variation 140 20' East.

- 40.00 Set a sand stone 16x12x3 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, dug pits 18x18x12 ins. N. & S. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.
- 60.50 Drain 30 lbs wide descends N. W.
- 79.50 Creek 5 lbs wide runs S. W.
- 80.00 Set a sand stone 18x12x5 ins. 12 ins. in the ground, for cor. to secs. 5, 6, 7 & 8 marked with 5 notches on S. & E. edges dug pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base alongside.
 Land Broken
 Soil 3rd rate
 Vegetation grass. & weeds.

Township 34 N. Range 46 W.
 of the 6th Principal Meridian.

Chains East, on a random line between Sections 5 and 8.
 Variation 140 45' East.

- 1.00 Creek 5 lbs wide runs S. W.
- 1.50 Alkali spring 25 lbs N. of line
- 40.00 Set stone for temp. $\frac{1}{4}$ sec. cor.
- 79.76 Intersect N. & S. line 38 lbs. N. of cor. to secs. 4, 5, 8 & 9 Hence I run N. 89° 46' W. on a true line between secs. 5 & 8 with same bearing.
- 39.88 Set a sand stone 17x9x4 ins. 11 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, dug pits 18x18x12 ins. E. & W. of stone 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.
- 79.76 The cor. to secs. 5, 6, 7 & 8.
 Land Broken
 Soil 3rd rate
 Vegetation grass. & weeds

Township

34 N.

Range

46 W.

Meridian,

of the 6th Principal

Chains

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

Variation

140° 50'

East.

- 12.00 Drain 30 lks. wide descends S. W.
- 40.00 Set stone for Temp. $\frac{1}{4}$ sec. cor.
- 64.00 Drain 20 lks. wide descends S. E.
- 77.71 Intersect W. boundary of T^h. 51 lks. S. of cor. to Secs. 1, 6, 7 + 12. Thence run S. 89° 38' E. on a true line between secs. 6 + 7 with same Va.
- 37.71 Set a sand stone 20 x 12 x 4 ins. 15 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. dug pits 18 x 18 x 12 ins. E. + W. of stone 5 $\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base alongside.
- 37.71 The cor. to Secs. 5, 6, 7 + 8.
- Land rolling
- Soil 3rd rate
- Vegetation grass + weeds.

Township

34 N.

Range

46 W.

Meridian.

of the 6th Principal

Chains

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

Variation

140° 20'

East.

- 22.00 Drain 35 lks. wide descends S. W. + ascend.
- 40.00 Set stone for Temp. $\frac{1}{4}$ sec. cor.
- 52.00 Top of divide bears N. W. + S. E. + descend.
- 81.78 Intersect N. boundary of T^h. 10 lks. E. of cor. to Secs. 5, 6, 31 + 32. Thence I run S. 4' E. on a true line between secs. 5 + 6 with same Va.
- 21.78 Set a sand stone 14 x 10 x 5 ins. 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. dug pits 18 x 18 x 12 ins. N. + S. of stone 5 to ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base alongside.
- 81.78 The cor. to Secs. 5, 6, 7 + 8
- Land rolling
- Soil 3rd rate
- Vegetation grass + weeds
- J. H. Fairfield Aug 17th 1882.

GENERAL DESCRIPTION.

The land in this township is mostly rolling and the soil is 1st and 2nd rate. Portions of it are mountainous and broken and only fit for stock grazing. There is considerable valuable pine timber in the ravines in the mountainous part.

Beaver Creek flows through the south western portion and a large amount of land could be profitably irrigated in the valley.

Mr. Arledge has a well improved Ranch in the center portion of section 18.

The Pine Ridge Agency and Fort Robinson wagon road crosses the Township from N.E. to S.W.

The impassable sandstone walls in the Eastern portion form the Northside of what is known as The Gates of Sheridan.

For Affidavit of Assistant
and surveyor of T. 34 N
R 46 W. See below of notes
of T. 33 N R 46 W

U. S. Surveyor-General's Office.

Cheyenne, Wyoming.

18

The foregoing Field Notes of the surveys of
The Subdivision lines of
Township No. 34 North, Range
No. 46 West of the
6th Principal Meridian in the State of Nebraska
executed by Joseph H. Fairfield,
U. S. Deputy Surveyor, under his contract^{no. 7} dated
June 16th 1882 - in the month
of Aug. 1882.
having been critically examined, the necessary cor-
rections and explanations made, the said Field Notes
and the surveys they describe are hereby approved.

Geo. Smith

U. S. Surveyor-General for Nebraska

Field Notes

of and retracings
the subdivision lines of fractional
Township 35 North Range 46 West
of the 6th Principal Meridian
by

Joseph H. Fairfield Deputy Surveyor
Under his contract of June 6th 1882
Survey commenced August 11th 1882
Survey completed August 13th 1882

For app^l sawti of T. 33. 34 & 35
R 46 W see close of note T.
33 R 46 W

Fractional
Township 35 N. Range 46 W.
of the Sixth Principal Meridian.
Index.

18	17	16	15	14	13					
D a k o t a										
19	39	20	29	21	22	15	23	10	24	
28	36	28	20	14	9					
30	35	29	26	28	19	27	13	26	8	25
33	32	25	18	12	6					
31	31	32	23	33	17	34	11	35	5	36

N. Boundary

Retracing

of N.B. Twp. 35 N. R. 46 W. of the 6th Principal M.

Chains Before proceeding to subdivide this Township. I set my compass at the Closing corner to fractional Twp. 35 N. Ranges 45th and 46th West. recently set and carefully tested it - particularly the latitude and reversing apparatus and found it in perfect adjustment. I also observed for latitude and obtained 43° N. Thence I run Westward blank line along the N. boundary of fractional Sec. 24.

Variation 140° 35' East.

3.37 To mile post No. 154 on the N. boundary of Nebraska, recently rebuilt.

From Mile Post No. 154 I run Westward blank line on the 155th Mile of the N. boundary of Nebraska.

Variation 140° 30' East.

80.10 To a point 31 kts. S. of Mile Post No. 155. A mound of earth with pits. No Post

Retracings

of N.B. of Township 35 North Range 46 West

Chains to be found. I set a Pine Post 4 ft. long 4 ins. square. in old mound. for mile Post No. 155. Marked "155 M" on the E. "N.E. B." on the South "W.A.K." on the N. sides. dug pits 30 x 30 x 24 ins. East & West of Post 6 ft. dist. and raised a mound of earth around Post

West on a blank line on the 156th Mile.

Variation 111° 30' East.

79.50 To a point 12 lks. S. of mile Post No 156. A mound of earth with pits. No Post to be found. I set a Pine Post 4 ft. long 4 ins square in the old mound. for mile Post No 156. Marked "156 M" on the E. "N.E. B." on S. and "W.A.K." on N. sides. dug pits 30 x 30 x 24 ins. East & West of Post 6 ft. dist. and raised a mound of earth around Post

of the 6th Principal Meridian

Chains West on a blank line on the 157th Mile.

Variation 140° 35' East.

79.43 To a point 2 lks. S. of Mile Post No. 157. A mound of earth with pits. No Post to be found. I set a Pine Post 4 ft. long 4 ins. square. in old mound. for mile Post No 157. Marked "157 M." on E. "N.E. B." on S. and "W.A.K." on N. Sides. dug pits 30 x 30 x 24 ins. East & West of Post 6 ft. dist. and raised a mound of earth around Post.

West on a blank line on the 158th Mile.

Variation 111° 40' East.

80.24 To a point 2 lks. S. of Mile Post No. 158. A mound of earth with pits. No post to be found. I set a Pine Post 4 ft. long 4 ins. square. in old mound. for mile ~~No~~ Post ^{No} 158. Marked "158 M" on E. N.E. B. on

Retracings

of N.B. of Township 35 N Range 46 West

Chains S. "D.A.K." on N. sides. dug pits 30 x 30 x 24 ins. East & West of Post 6 ft. dist. and raised a mound of earth around Post.

West on a blank line on the 159th Mile.

Variation 14° 40' East.

79.80 To a point 12 lks. S. of Mile Post no. 159. A mound of earth with pits. No post to be found. I set a Pine Post 4 ft. long 4 ins. square in old mound for mile Post no 159. marked "159 M" on the E. N.E. B. on S and "D.A.K." on N. sides. dug pits 30 x 30 x 24 ins. East & West of Post 6 ft. dist. and raised a mound of earth around Post.

West on a blank line on the 160th mile

Variation 14° 45' East.

of the 6th Principal Meridian

7961

Chain To a point 23 lks. S. of mile Post no 160. A mound of earth with pits. I set a Pine Post 4 ft. long 4 ins. square. in old mound. for mile Post no. 160 Marked "160 M" on the E. N.E. B. on S. and "D.A.K." on N. side. dug pits 30 x 30 x 24 ins. East & West of Post 6 ft. dist. and raised a mound of earth around Post. From which old B.D. Amelin writes in diary br. N. 46 lks. dist.

J. L. Propst. Aug 11th 1882.

From the corner to sections 1, 2, 35 and 36 on the South boundary: I run North between sect. 35 and 36.

Variation 14° 20' East.

Ascend

- 14.00 Top of ridge br. N.W. and S.E.
- 15.00 Pt Robinson and Pine Ridge Agency wagon road br. N.E. and S.W.

Township 35 North Range 46 West

Chains
40.00 Set a sand stone 16x12x4 ins. 11 ins.
in the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face. dug pits
18x18x12 ins. W^{and} S. of stone 5 $\frac{1}{2}$ ft.
dist. and raised a mound of earth
1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

67.00 Drain 10 lks. wide descends N.E. + Ascend.

80.00 Set a sand stone 20x14x6 ins. 15 ins.
in the ground for corner to sections
25, 26, 35 and 36 marked with notch
on S. and E. edges. dug pits 18x18x
12 ins. in each section 5 $\frac{1}{2}$ ft. dist.
and raised a mound of earth 2 ft. high
4 $\frac{1}{2}$ ft. base alongside.

Land rolling.
Soil 3rd rate
Vegetation grass and weeds

East on a random line between secs. 25 & 36.
Variation 14° 45' East.

of the 6th Principal Meridian

Chains. Descend

2.00 Drain 15 lks. wide descends N.E. at
foot of ridge.

23.00 Drain 10 lks. wide descends N.W.

40.00 Set stone for Temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect E. boundary of T^p. 38 lks.
E. of cor. to Secs. 25, 30, 31 and 36.
Thence run S. 89° 44' W. on a
true line between secs. 25 and 36
with same variation

40.01 Set a sand stone 14x12x4 ins. 10 ins.
in the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face. dug pits
18x18x12 ins. E. and W. of stone 5 $\frac{1}{2}$ ft.
dist. and raised a mound of earth
1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

80.02 The cor. to Secs. 25, 26, 35 and 36.
Land rolling.
Soil 3rd rate
Vegetation grass and weeds

Township 35 North Range 46 West

Chain North Between Secs. 25th and 26.
Variation 140° 20' East.

- 28.00 Chain 30 lks. wide descends N. W.
- 40.00 Set a sand stone 18 x 15 x 5 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. N. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base alongside.
- 47.00 Old Wagon road bet. N. W. and S. E.
- 79.00 Chain 40 lks. wide descends S. W.
- 80.00 Set a sand stone 15 x 15 x 4 ins. 10 ins. in the ground. for cor. to Secs. 23, 24, 25th and 26 marked with 2 notches on S. and 1 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 alongside.
Land rolling. Soil 3rd rate.
Vegetation Grass.

of the 6th Principal Meridian

Chain East-Run. Between Secs. 24th and 25.
Variation 140° 45' East.

- 30.00 Chain 35 lks. wide descends S. W.
- 40.00 Stone for Imp. 1/4 sec. cor.
- 80.12 Intersect E. boundary of Tp. 26 lks. S. of cor. to Secs. 19, 24, 25th and 30 Hence I run S. 89° 49' W. on a true line between sections 24th and 25 with same va.
- 40.06 Set a Sandstone 22 x 18 x 3 ins. 16 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
- 80.12 The cor. to Secs. 23, 24, 25th and 26.
Land rolling.
Soil 3rd rate.
Vegetation grass.

Township 25 North Range 46 West

Chains

North Between Secs. 23rd and 24.

Variation $14^{\circ} 20'$ East.

- 70.00 Drain 15 lks. wide descends N.W.
 79.00 Old Wagon road bet N.W. and S.E.
 40.00 Set a sand stone $18 \times 12 \times 3$ ins. 12 ins.
 in the ground, for $\frac{1}{4}$ sec. marked $\frac{1}{4}$
 on W. face. dug pits $18 \times 18 \times 12$ ins
 Wnd S. of stone $3\frac{1}{2}$ ft. dist. and
 raised a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base alongside.
 69.00 Drain 35 lks. wide descends N.W.
 70.50 Intersect N. boundary of Nebraska
 3.60 lks. E. of mile Post No. 155
 and at point of intersection set a
 Sand Stone $24 \times 15 \times 3$ ins.
 with charred stake 18 ins. in the ground.
 for closing corner to fractional
 Secs. 23rd and 24 marked "C.C. T 35 R 46"
 on the $\frac{3}{4}$ S. 24 in End S 23 on W. face
 with 5 notches on W. and 1 on E. sides.

Chains.

of the 6th Principal Meridian

dug pits $18 \times 18 \times 12$ ins. S. End W. of Stone
 $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 2 ft. high $4\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 3rd soil.

Vegetation grass.

J. H. Fairfield Aug 12th 1882

Run cor to sections 2, 3, 34th and 35 on
 the south boundary I run
 North Between Secs. 34th and 35.

Variation $14^{\circ} 20'$ East.

- 40.00 Set a Limestone $14 \times 12 \times 4$ ins. 10 ins.
 in the ground, for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. face. dug pits
 $18 \times 18 \times 12$ ins. Wnd S. of stone $3\frac{1}{2}$
 ft. dist. and raised a mound of
 earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
 alongside.
 43.00 Drain 20 lks. wide descends N.E.
 75.50 Drain 15 lks. wide descends N.W.

Township 35 North Range 46 West

Chains
 80.00 Set a Limestone 22 x 8 x 5 ins. 17 ins.
 in the ground, for cor. to Secs.
 26, 27, 34 and 35 marked with
 1 notch on S. and 2 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 alongside.
 Land rolling.
 Soil 3rd rate.
 Vegetation grass. Brush in drain.

East on a random line between Secs. 26 and 35

Variation 140 45' East.

40.00 Stone for Temp. 1/4 sec. cor.
 43.50 Drain 30 lbs. wide descends N. & ascend.
 61.00 Top of divide bet N. and S. and descend
 65.75 Old trail bet. N. and S.
 79.90 Intersect N. and S. line 15 lbs. S. of cor.
 to Secs. 25, 26, 35 and 36 Hence I run

of the 6th Principal Meridian

Chains
 89.54 of 89° 54' W. on a true line between
 Secs. 26 and 35 with same va.
 89.95 Set a Limestone 14 x 14 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
 E. and W. of stone 5 1/2 ft. dist. and raised
 a mound of earth 1 1/2 ft. high 3 1/2 ft.
 base alongside
 79.90 The cor. to Secs. 26, 27, 34 and 35.
 Land rolling.
 Soil 3rd rate.
 Vegetation grass.

North Between Secs. 26, and 27,

Variation 140 20' East.

14.50 Drain 35 lbs. wide descends N.E.
 40.00 Set a Limestone 16 x 12 x 4 ins. 11 ins
 in the ground, for 1/4 sec. cor.
 marked 1/4 on W. face, dug pits
 18 x 18 x 12 ins N. and S. of stone 5 1/2 ft.

Township 35 North Range 46 West.

Chains dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside.

42.25 Drain 15 lks. wide descends N.W.

55.50 Drain 5 lks. wide descends W.

74.75 Old Wagon road brs. E. and W.

80.00 Set a Limestone $18 \times 10 \times 6$ ins.

12 ins. in the ground. for cor to Secs. 22, 23, 26 and 27 marked with 2 notches on S. and E. edges.

dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base alongside.

Land rolling.

Soil 3rd rate

Vegetation grass. Brush in drain.

Eastonian Ran. line between Secs 23 + 26.

Variation $14^{\circ} 45' E.$

of the 6th Principal Meridian

Chains

18.50 Old Road brs. $N 80^{\circ} E + S 80^{\circ} W.$

40.00 Stone for Temp. $\frac{1}{4}$ sec. cor.

73.00 Drain 10 lks. wide descends S.W.

79.84 Intersect N. and S. line 7 lks. S. of

cor. to Secs. 23, 24, 25 and 26. Hence from

S. $89^{\circ} 57' W.$ on a true line between

Secs. 23 and 26 with same 10.

39.92 Set a Limestone $14 \times 10 \times 6$ ins. 10 ins.

in the ground. for $\frac{1}{4}$ sec. cor. marked

$\frac{1}{4}$ on N. face. dug pits $18 \times 18 \times 12$ ins.

E. & W. of stone $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside.

79.84 The cor to Secs. 22, 23, 26 and 27.

Land rolling.

Soil 3rd rate

Vegetation grass.

North Between Secs. 22 and 23.

Variation. $14^{\circ} 20' East.$

Township 35 North Range 46 West

Chains.

800 Drain 30 lks. wide descends N.
4000 Set a Gray Limestone 16 x 8 x 5 ins.
11 ins. in the ground, for 1/4 sec.
marked "N.W. face. dug pits
18 x 18 x 12 ins. N. and S. of Stone 5 1/2
ft. dist., and raised a mound
of earth 1 1/2 ft. high 3 1/2 ft.
base along side

70.40 Intersect N. boundary of Nebraska
2.48 lks. E. of Mile Post 156. and
at point of intersection set a
Sandstone 30 x 24 x 4 ins. 20 ins.
de ep. for closing corner to fractional
Secs. 22 and 23. marked "C.C." on the S. side
and 4 notches on W and 2 on E. sides.
dug pits 18 x 18 x 12 ins. E. W. and S. of
Stone 5 1/2 ft. dist. and raised a mound
of earth 2 ft. high 4 1/2 ft. base
alongside.

Land rolling. Soil 3rd pat.

Vegetation grass. sparse cottonwood timber

Chains

of the 6th Principal Meridian
in drain. J. L. Propst. Aug 12th 1882.

From cor to Secs. 3, 4, 33 and 34 on the
south boundary. I run
North between secs. 33 and 34.

Variation 14° 20' East.

5.00 Gulch 150 lks. wide descends N.W. and ascend,
4000 Set a sand stone 14 x 10 x 4 ins. 10 ins. in
the ground. for 1/4 sec. cor. marked "N.W.
face. dug pits 18 x 18 x 12 ins. N. and
S. of Stone 5 1/2 ft. dist. and raised a
mound of earth 1 1/2 ft. high 3 1/2 ft. base
alongside

45.00 Top. Spur from N.E. and descend,

73.00 Drain 30 lks. wide descends N.W.

80.00 Set a sand stone 18 x 14 x 3 ins. 12 ins.
in the ground. for cor. to Secs. 27, 28,
33 and 34 marked with 1 notch on S.
and 3 on E. edges. dug pits 18 x 18 x
12 ins. in each sec. 5 1/2 ft. dist.

Township 35 North Range 46 West

Chains and raised a mound of earth $2\frac{1}{2}$ ft.
high $4\frac{1}{2}$ ft. base alongside
Land rolling.
Soil 3rd rate
Vegetation grass. Sparse pine timber.

Eastward Random line between Secs. 27th and 34th.
Variation $14^{\circ} 45'$ East

- 40.00 Stone for temp. $\frac{1}{4}$ sec. cor.
77.00 Drain 40 lks. wide descends N.W.
8.32 Intersect N. and S. line 30 lks. E. of
cor. to Secs. 26, 27, 34 and 35 thence
run. S. $89^{\circ} 47'$ W. on a true line
between Secs. 27th and 34th with same Var.
40.16 Set a sand stone $15 \times 12 \times 6$ ins.
10 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked 'now' W. face, dug
pits $18 \times 18 \times 12$ ins. E. and W. of
stone $5\frac{1}{2}$ ft. dist. and raised a
mound of earth $1\frac{1}{2}$ ft. high

of the 6th Principal Meridian

Chains $3\frac{1}{2}$ ft. base alongside
80.32 The cor. to Secs. 27, 28, 33 and 34.
Land rolling.
Soil 3rd rate
Vegetation grass. Sparse Elm along
drain.

North Between Secs. 27th and 28th.
Variation $14^{\circ} 20'$ East

- 1.50 Wash 50 lks. wide descends S.W.
40.00 Set a sand stone $18 \times 10 \times 3$ ins. 14 ins.
in the ground, for $\frac{1}{4}$ sec. cor.
marked 'now' W. face, dug pits
 $18 \times 18 \times 12$ ins. W. and E. of stone
 $5\frac{1}{2}$ ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
alongside.
76.00 Bank 75 lks. high bet. N.W. and S.E.
77.00 Dry creek bed 35 lks. wide descends
N.W.

Township 35 North Range 46 West

Chains

80.00 Set a sand stone $17 \times 5 \times 3$ ins.
 11 ins. in the ground. for corner
 to Sections 21, 22, 27 and 28.
 marked with 2 notches on S and
 on E. edges. From which an
 Elm tree 24 ins. in diam. bet.
 N. 48° W. 29 lks. dist. marked
 T. 35 S. 21 D.S. no other trees within
 limits. dug pits $18 \times 18 \times 12$ ins.
 in Secs. 22, 27 and 28. $5\frac{1}{2}$ ft. dist.
 and raised a mound of earth
 along side stone.

Land rolling.

Soil 3rd rate

Vegetation grass. Sparse Elm
 timber along creek

East on a Random line between Sect.
 22 and 27.

Variation $14^\circ 45'$ East.

of the 6th Principal Meridian

Chains

From corner of set 4 Chains S.
 to avoid high bank.
 15.00 Enter dry creek bottom bet. N.W. and S.E.
 30.50 Creek 25 lks. wide. Standing water
 descends N.W.
 40.00 Offset 4 Chains N. to line and
 set stone for temp. 4th sec. cor.
 44.00 Leave creek bottom bet. W.W. and S.E.
 54.00 Run 20 lks. wide descends S.W.
 80.22 Intersect N.W. and S. line 24 lks. S.
 of cor. to Secs. 22, 23, 26 and 27.
 Thence I run
 S $89^\circ 50'$ W. on a true line between
 Secs. 22 and 27 with same var.
 40.11 Set a sand $22 \times 13 \times 3$ ins. 16 ins. in
 the ground. for 4th sec. cor. marked
 on W. face dug pits $15 \times 18 \times 12$ ins.
 E. and W. of stone $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{4}$ ft. base alongside.

Township 35 North Range 46 West

Chains 80.22 The cor. to Secs. 21, 22, 27 and 28.

Land rolling.
Soil 3rd rate.
Vegetation grass. Sparse Cottonwood along creek.

North Between Secs. 21 and 22.
Variation 14° 20' East.

35.00 Drain 30 lks. wide descends S.W.
40.00 Set a Sandstone 16 x 9 x 4 ins.
11 ins. in the ground, for the sec. cor.
marked "N on W. face, dug pits
18 x 18 x 12 ins. W and S. of stone 5 1/2
ft. dist., and raised a mound of
earth 1 1/2 ft. high 3 1/2 ft. base
alongside.

47.00 Drain 25 lks. wide descends S.W.
70.74 Intersect N. boundary of
Nebraska 2.24 Chains E. of
Mile Post No. 157. and at point

Chains of the 6th Principal Meridian
of intersection set a sandstone
26 x 14 x 3 ins. 18 ins. deep for
closing corner to fractional
Sections 21 and 22, marked "C C"
on S. 3 notches on E and W. sides
dug pits 18 x 18 x 12 ins. E. W. and S.
of stone 5 1/2 ft. dist., and raised
a mound of earth 2 ft. high
4 1/2 ft. base alongside.

Land rolling.
Soil 3rd rate
Vegetation grass. Sparse
cottonwood timber along drain.
J. H. Fairfield Aug. 12th 1882.

Now cor. to Secs. 4, 5, 32 and 33 on
the E. boundary I saw
North Between Secs. 32 and 33.
Variation 14° 20' East.

Descend
12.00 Enter Sparse Pine and Cedar timber

Township 35 North Range 46 West

Chains br. E. and W.

15.00 Cross bend in gulch from S.E., descends
N.E. and ascend and run on E. slope.

44.00 Set a sand stone 18x15x3 ins.

12 ins. in the ground, 700th sec.
cov. marked 1/4 on W. face.dug pits 18x18x12 ins. N. and S.
of stone 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. base alongside

70.50 Leave timber br. E. and W.

79.00 Top of spur from S.W. and descend.

80.00 Set a Flint Stone 14x12x4 ins. 10 ins.
in the ground, 700.00 to Secs.28, 29, 32 and 33. marked with
1 notch on the S. and 4 on E.edges. dug pits 18x18x12 ins.
in each section 5 1/2 ft. dist.
and raised a mound of earth
2 ft. high 4 1/2 ft. base alongside.of the 6th Principal Meridian
8000 Chy
Chains. Land, mountainousSoil 3rd rate

Vegetation grass. Sparse pine timber

80.00 Chains mountainous

East on a ran. line between Secs.

28 and 33

Variation 14° 45' E.

Descend

14.00 Bottom of gulch descends N. and ascend.

27.00 Top of spur from S. and descend

40.00 Stone for Temp. 1/4 sec. cov.

40.50 Bottom of ravine descends N.W. and
ascend over E. slopes78.00 Bottom of ravine descends S.W.
and ascend.80.29 Intersect N. and S. line 12 kts. S.
of cov to Secs. 27, 28, 33 and 34Thence run S. 89° 55' W.
on a true line between Secs.

Township 35 North Range 46 West

Chains 28^{and} 33 with same wa

40.14 Set a Flint stone 12 x 10 x 8 ins.

9 ins. in the ground. For $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on W. face. dug
 pits 18 x 18 x 12 ins. E. and W. of stone
 $5\frac{1}{2}$ ft. dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $5\frac{1}{2}$ ft. base
 alongside.

80.29 The cor. to Secs. 28, 29, 32^{and} 33.Land ^{80.29 blu} Mountainous & Broken.Soil 4th rate

Vegetation grass.

Do. 29 Chains Mountainous.

North Between Secs. 28^{and} 29.Variation $14^{\circ} 20' E.$

Descend

14.33 Bottom of ravine descends N.E. and
 ascend and run on E. slope

40.00 Set a Sand stone 18 x 14 x 4 ins.

of the 6th Principal MeridianChain 12 ins. in the ground. For $\frac{1}{4}$

sec. cor. marked $\frac{1}{4}$ on W. faces
 dug pits 18 x 18 x 12 ins. N. and S.
 of stone $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base alongside.

79.00 Top of spur from S.W. & descend.

80.00 Set a Limestone 16 x 16 x 6 ins.

11 ins. in the ground. For cor.

to Secs. 20, 21, 28, and 29,

marked with 2 notches on S.

and 4 on E. edges. dug pits

18 x 18 x 12 ins. in each sec.

 $5\frac{1}{2}$ ft. dist. and raised a

mound of earth 2 ft. high $4\frac{1}{2}$
 ft. base alongside.

Land mountainous & Broken.

Soil 4th rate.

Vegetation grass

Do. Chain mountainous

Township 35 North, Range 46 West.

Chains East on a Ran line between Secs. 21^{and} 28.
Variation $14^{\circ}45'$ East.

Descend.

2.00 Drain 30 lks. wide descends N.W. at
base of mountain.

40.00 Stone for temp. $\frac{1}{4}$ sec. cor.

68.00 Wash 150 lks. wide descends N.

79.00 Bed of dry creek 25 lks. wide descends
N.W.

80.40 Intersect N. and S. line 22 lks. S. of
cor. of Secs. 21, 22, 27^{and} 28.

Thence run $E. 89^{\circ}51' W.$ on a
true line between Secs. 21^{and} 28
with same Va.

4020 Set a Limestone $18 \times 12 \times 4$ ins.
12 ins. in the ground. for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face.
dug pit $18 \times 18 \times 12$ ins. E. and W.
of stone $5\frac{1}{2}$ ft. dia. and raised a
mound of earth $1\frac{1}{2}$ ft. high.

of the 6th Principal Meridian

to chain. $3\frac{1}{2}$ ft base alongside.

8070 The cor. to Secs. 20, 21, 28^{and} 29.

Land rolling.

Soil 4th rate.

Vegetation grass. sparse cottonwood
timber in drain and dry creek

North Between Secs. 20^{and} 21.

Variation $14^{\circ}20'$ East.

Descend.

2.00 Wash 40 lks. wide descends N.W.
and ascend.

8.00 Top of spur from S.E. and descend.

10.00 Bottom of ravine in
dry creek bed descends W. and
ascend over E. slope

4020 Set a Cedar Post 4 ft. long 3 ins.
square. charred stake 12 ins.
in the ground. for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on W. face. dug pit

Township 35 North Range 46 West.

Chains 18x18x12 ins. N^{and} S. of Post 5th ft.
 dist. and raised a mound of earth
 1¹/₂ ft. high 3¹/₂ ft. base around post.
 42.00 Enter drain 20 fks. wide descends N.
 64.00 Leave drain 20 fks. wide descends S.E. and
 ascend.
 70.50 Intersect N. boundary of Nebraska
 2.28 Chs. E. of mile Post No. 158.
 and at point of intersection set a
 Pine Post 4 ft. long 4 ins. square.
 Charred stake 18 ins. in the ground,
 for closing corner to fractional
 Secs. 20 and 21, marked "C.C. 35
 R. 46 on the S, S 20 on W and S 21 on E
 sides. 2 notches on W and 4 on E. faces.
 dug pits 18x18x12 ins. E. W. and S. of
 Post 5th ft. dist. and raised a
 mound of earth 2 ft. high 4¹/₂
 ft. base around Post.
 Land broken.
 Soil 4th rate
 Vegetation Grass. Sparse

of the 6th Principal Meridian

Chains Cottonwood timber on dry creek.
 J. L. Propst Aug 12th 1882.

From the corner to Secs. 31 and 32
 32 on the boundary I run
 North between Secs. 31 and 32.
 Variation 14° 20' E.

Descend

40.00 Set a Limestone 20x12x3 ins.
 15 ins. in the ground, for the
 Sec. cor. marked W and N. face.
 dug pits 18x18x12 ins. N^{and} S. of
 Stone 5th ft. dist. and raised a
 mound of earth 1¹/₂ ft. high 3¹/₂
 ft. base alongside.
 41.00 Bottom of ravine descends N.W. and
 ascend
 59.00 Top of spur from S.E. and descend.
 63.00 Bottom of ravine descends N.W. and
 ascend
 84.00 Set a Limestone 20x10x4 ins.

Township 35 North Range 46 West

Chains 15 ins. in the ground, for cor to
secs. 29, 30, 31^{and} 32 marked
with 1 notch on S. ^{and} 5 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 along side.

Land ⁷⁹⁰⁰ mountainous & broken.

Soil 4th rate.

Vegetation grass

Pr. oak. mountainous

East on a random line between
secs. 29, ^{and} 32

Variation 14° 45' E.

Ascend.

40.00 Set stone for Imp. 1/4 sec. cor.

68.00 Top of spur from S.W. ^{and} descend.

73.00 Bottom of ravine descends N.W. ^{and} ascend.

79.73 Intersect N. ^{and} S. line 13 lks. E. of

of the 6th Principal Meridian

Chains cor. to Secs. 28, 29, 32 ^{and} 33
Thence run S. 89° 54' W. on
a true line between secs.
29 ^{and} 32 with same VA.

39.86 Set a Limestone 18 x 8 x 4 ins.
12 ins. in the ground, for 1/4
sec. cor. marked 1/4 on W. face.
dug pits 18 x 18 x 12 ins. E. ^{and} W.
of stone 5 1/2 ft. dist., ^{and} raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. base along side.

79.73 The cor. to Secs. 29, 30, 31 ^{and} 32.

Land ^{Broken} mountainous.

Soil 4th rate.

Vegetation grass. Sparse

Cedar timber

79.73 Oak. mountainous.

West on a random line between Secs.
30 ^{and} 31

Variation 14° 45' East

Township 35 North Range 46 West

Chains.

Descend.

1900 Bottom of ravine descends N. + ascend

2300 Top of spur from S. and descend,

4000 Bottom of ravine descends N. + ascend,

4000 Post for Twp. 1/4 sec. cor.

6000 Top of divide bet. N.W. + S.E. and descend

77.90 Intersect N. boundary of Twp. 1/4 Sec. S.
of cor. to Secs. 29, 30, 31 and 32.Thence I run S. 89° 57' E. on a
true line between Secs. 30 and 31
with same Va.3790 Set a Pine post 11 ft. long 4 ins.
square. Charred stake 18 ins.
in the ground. For 1/4 sec. cor.
marked 1/4 S. on N. 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.

77.90 The cor. to Secs. 29, 30, 31 and 32.

Chains

of the 6th Principal Meridian

77.90 chs. Land mountainous & broken.

Soil 3rd rate.Vegetation grass. Sparse pine
timber.

79.90 chs. mountainous.

North Between Secs. 29 and 30.

Variation 14° 20' East.

Ascend.

2700 Top of spur from S.E. and descend,

4000 Set a Pine Post 4 ft. long 4 ins.

square. Charred stake 18 ins.
in the ground. For 1/4 sec. cor.
marked 1/4 S on N. face. dug
pits 18 x 18 x 12 ins. W. and E. 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.4650 Bottom of spur, in deep wash
descends N.W.

Township 35 North Range 46 West.

Chains
8000 Set a Cottonwood Post 4 ft. long
4 ins. square. Charred stake
18 ins in the ground. for cor.
to Secs. 19, 20, 29 and 30,
marked S 35, S 20 on W.E.
R 46 S 29 on S.E.
S 30 on S.W. and
S 19 on W.W. faces. with 2 notches
on S. and 5 on E. edges. dug pits
18 x 18 x 12 ins. in each sec. 5 1/4
ft. dist. and raised a mound
of earth 2 ft. high 4 1/2 ft base
around post.
Land mountainous & broken.
Soil 4th rate.
Vegetation grass.

46.50 Chs. Mountainous & broken
East on a random line between
Secs. 20 and 29.
Variation 14° 45' East.

of the 6th Principal Meridian

Chains
14.50 Wash 120 lks. wide descends N.
4000 Set Post for Temp. 1/4 sec. cor.
7968 Intersect N. and S. line 2 1/2 lks. N.
of cor. to Secs. 20, 21, 28 and 29
Thence. I run N. 89° 51' W. on
a true line between secs. 20 and
29 with same var.
39.84 Set a cottonwood Post 4 ft. long
4 ins. square. Charred stake
18 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 1/4 ft. dist and raised
a mound of earth 1 1/2 ft. high
3 1/2 ft. base around post.
79.68 The cor. to Secs. 19, 20, 29 and 30.
Land rolling.
Soil 3rd rate.
Vegetation grass.

Township 35 North Range 46 West

Chains West on a random line between secs. 19 and 30.

Variation 140 45' East.

17.00 Deep wash 150 lks. wide descends N.W.

36.00 Wash 75 descends N.

40.00 Set post for Temp. 1/4 sec. cor.

77.84 Intersect W. boundary of Twp. 9 lks. S. of cor. to Secs. 19, 24, 25 and 30.

Thence run S. 89° 56' E. on a true line between secs. 19 and 30 with same va.

37.84 Set a cottonwood Post 4 ft. long 4 ins square, Charred stake 18 ins in the ground, for 1/4 sec. cor. marked 1/2 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.

77.84 The cor to Secs. 19, 20, 29 and 30.

of the 6th Principal Meridian

Chains Land rolling. Soil 4th rate. Vegetation grass.

North Between Secs. 19 and 20.

Variation 140 20' E.

33.00 Dry creek bed 10 lks wide descends W.

37.50 Drain 20 lks. wide descends S.W.

40.00 Set a Cottonwood Post 4 ft. long 4 ins. square. Charred stake 18 ins. in the ground, for 1/4 sec. cor. marked 1/2 on W. face.

dug pits 18 x 18 x 12 ins. N and S of Post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

71.00 Intersect W. boundary of Nebraska 1.90 Chs. E. of mile Post No. 159. and at point of intersection set a cottonwood

T. 35 N. R. 46 W of the 6th Principal N.

Chain Post 4 ft. long 4 ins. square,
charred stake 18 ins. in the
ground, for closing corner
to fractional Secs. 19^{and} 20,
marked "C C T. 35 R 46" on S.
S. 19" on W^{and} S 20" on E. sides.
with notch W^{and} 5 on E. faces.
dug pits 18 x 18 x 12 ins.
E. W. and S. of Post 3 1/2 ft. dist.
and raised a mound of earth
2 ft. high 4 1/2 ft. base around
Post.

Land rolling.

Soil 4th rate

Vegetation grass.

J. H. Fairfield Aug 13th 1882.

General Description

The land in this Township
is mostly rolling and the soil
is 3rd rate. The vegetation
consists chiefly of grass
Mr. Robert Clain is in the
center portion of Section 22.
where he has some fine
meadow land and improved
fields on a spring branch
that runs S. W. into Alkali
Creek. There is some fine
Pine and cottonwood timber
of value along Alkali Creek.

Note. I carefully tested the adjustments
of my solar compass during
the survey of this Township as
per instructions.

U.S. Surveyor General's Office
Plattsburgh N.Y.

The foregoing field notes of
the surveys of the retracement
of the N. Boundary & the sub-
division lines of fractional
Twp. No. 35 N. R. 46 W. of the
Principal Base & meridian
in the state of N.Y. Executed by
Joseph H. Fairfield, U.S. Dep.
Surveyor, under his contract
No. 7th Dated June 6th 1882, in
the month of Aug. 1882,
having been critically examined
the necessary corrections & explanations
made, the said field notes & the
surveys they describe are hereby
approved

Geo. S. Smith
U.S. Surveyor General

GENERAL LAND OFFICE • ORIGINAL FIELD NOTES

BOOK NUMBER

669

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.