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Book Number

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T.33-35 N.
R. 45 W.

53.

Joseph H. Fairfield Depu

T. 33 N. R. 4

of the Sixth Princip

T33-35 N
R45 W

FIELD NOTES

OF

and Retracings

DIVISION LINES, OF

Township 33 North, Range 45 West.

of the Sixth Principal Meridian.

BY

Joseph H. Fairfield Deputy Surveyor.

Under his Contract of June 6th. 1882.

Survey Commenced August 3rd. 1882.

Survey Completed August 7th 1882.

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Township 33 N. Range 45 W.

of the 6th Principal Meridian.

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S. B. of Retracings

Township 33 North Range 45 West

of the 6th Principal Meridian.

Chains.

Before proceeding to subdivide this Township I set my compass, at the standard corner to Townships 33 North Ranges 44 and 45 West: recently rebuilt: and carefully tested it: particularly the latitude and reversing apparatus: and found it correct. I also observed for latitude and obtained 42° 53' N. Thence I run West on a blank line on the S. boundary of sec. 36. Variation 14° 30' East.

39.85 To the 1/4 sec. cor. An Ash Post 4 ft. long 4 ins. square, properly marked, which I found lying alongside a mound of earth with pits. I reset Post: redug the pits and rebuilt mound.

80.00 To the standard corner to Secs. 35 and 36. An Ash Post 4 ft. long 3 ins. square, properly marked, which I found lying alongside a mound of earth with pits. I reset post, redug pits, and rebuilt mound.

West on a blank line on S. boundary of sec. 35. Variation 14° 30' East.

40.00 To a point 3 lks. S. of the 1/4 sec. cor. An Ash Post 4 ft. long 3 ins. square, properly marked, which I found lying alongside a mound of earth with pits. I reset post: redug pits, and rebuilt mound.

S.B. of Retracings

Township 33 North Range 45 West of the 6th Principal Meridian.

Chains	
80.02	To a point 6 lks. S. of the standard corner to sections 34 and 35 An Ash Post 4 ft. long 4 ins. square, properly marked, which I found lying alongside a mound of earth with pits. I reset post, redug the pits and rebuilt mound.
	West on a blank line on the S. boundary of sec. 34. Variation 14° 30' East.
39.96	To a point 8 lks. S. of the ¼ sec. cor. A mound of earth with pits, No post to be found. I set a sand stone 14 x 10 x 6 ins. in old mound, marked ¼ on W. face. I redug the pits and rebuilt mound.
79.86	To a point 6 lks. S. of the Standard cor. to Secs. 33 and 34. A mound of earth with pits, No post to be found, I set a sand stone 20 x 12 x 8 ins. in old mound, marked S.C. on W. face. with 3 notches on E. and W. sides. I redug the pits and rebuilt mound.
	West on a blank line on S. boundary of Sec. 33. Variation 14° 20' East.
40.00	To a point 3 lks. S. of the ¼ sec. cor, An Elm Post 4 ft. long 3 ins. square, properly marked, which I found lying alongside

S.B. of Retracings

Township 33 North Range 45 West of the 6th Principal Meridian.

Chains	
	a mound of earth with pits. I reset post, redug the pits and rebuilt mound.
80.05	To a point 7 lks. south of the Standard corner to sections 32 and 33 An Elm Post 4 x 4 x 4 ins. in mound properly marked. I redug the pits and rebuilt mound.
	West on a blank line on S. boundary of sec. 32. Variation 14° 30' East.
39.98	To a point 8 lks. S. of the ¼ sec. cor. An ash Post 4 ft. long 3 ins. square, properly marked. Standing in mound of earth with pits. I redug the pits and rebuilt mound.
80.00	To a point 8 lks. S. of the standard corner to Sections 31 and 32. An Elm Post 4 ft. long 4 ins. square, properly marked, Standing in mound of earth with pits. I redug the pits & rebuilt mound
	West on a blank line on the south boundary of sec. 31. Variation 14° 30' East.
39.95	To a point 1 lk S. of the ¼ sec. cor. A mound of earth, with pits. no post to be found.

S.B. of Township 33 North Range 45 West of the 6th Principal Meridian.

Retracing

Chains	
	I set a sand stone 16 x 12 x 6. ins. 11 ins. deep, in old mound. marked 1/4 on North face. I redug pits and rebuilt mound alongside stone.
79.90	To the corner to Townships 33 and 34 North Ranges 45 and 46 West. A Pine Post 4 feet long 4 ins. square, properly marked, standing in mound of earth with pits. I reding the pits and rebuilt mound.

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

J. L. Ropes. Aug. 3rd 1882.

Township 33 N. Range 45 W. of the 6th Principal Meridian.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	
	From the standard corner to Sections 35, 36, ~~1 and 2 on~~ the South boundary, I run North, between Sections 35 and 36.
	Variation 14° 20' East.
	Note - The cor. to secs. 35 & 36. is an Ash post 4 ft long. 3 ins. square, properly marked. with pits N., E & W. ~~1 foot~~ pits. E raised mound of ~~earth around~~.
40.00	Set a pine post 4 ft. long 4 ins. square. with charred stake 12 ins. in the ground. for ¼ sec. cor. marked ¼ S on W. face; dug pits. 18 x 18 x 12 ins. N. & S. of post 5½ ft. dist. E raised a mound of earth 1½ ft. high. 3½ ft. base. around post.
60.00	Enter 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. 25, 26, 35 & 36. marked T. 33. S. 25 on N.E. R. 45. S. 36 on S.E. S. 35 on S.W. & S. 26 on N.W. faces. with 1 notch on S. & E. edges dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. E raised a mound of earth 2 ft. high. 4½ ft. base. around post. From which a pine 6 ins. diam. bears S. 75° E 42 lks. dist. marked T. 33. R. 45 S. 36. B.T. Land. gently rolling. Soil 2d rate. Vegetation. grass.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 14° 30' East.
34.00	Creek, 4 lks. wide. runs North.
35.00	Leave sparse pine timber. bears N. & S.
40.00	Set post for temporary ¼ sec. cor.
45.00	Ascend ridge. bears N. & S.
52.00	Top of spur. from S. E & W descend.
60.00	Bottom of cañon 10 lks. wide, descend N.
80.55	Intersect E. boundary of Tp. 40 lks. N. of cor. to secs. 25. 30. 31 & 36. Thence I run N. 89° 48' W. on a true line between secs. 25 & 36 with same variation.
40.27	Set a Boxelder post 4 ft. long. 4 ins. square with charred stake 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. faces. dug pits 18 x 18 x 12 ins. E. & W. of post. 5½ ft. dist. E raised a mound of earth 1½ ft. high. 3½ ft. base around post.
80.55	The cor. to secs. 25. 26. 35 & 36. Land, rolling. Soil. 3d rate. Vegetation. grass. Sparse pine timber.

Township 33 N. Range 45 W. of the 6th Principal Meridian.

North, between Sections 25 and 26

Variation 14° 20' East.

Chains	
	Descend.
3.00	Cañon. 300 lks. wide, descends N.E.
33.00	Descend N. slope of divide, bears E & W.
40.00	Set a 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 18 x 18 x 12 ins. N. & S. of post. 5½ ft. dist. & raised a mound of earth 1½ ft. high. 6½ ft. base, around post.
63.00	Bottom of Cañon descends N.E.
80.00	Set a pine post 4 ft. long, 4 ins. square, with charred stake, 12 ins in the ground for cor. to secs. 23, 24, 25 & 26 marked T. 33 S. 24 on N.E. R. 45 S. 25 on S.E. S. 26 on S.W. & S. 23 on N.W. faces, with 2 notches on S. & 1 notch on E. edges. Dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base around post. from which A pine 24 ins. diam. bears N. 20° E. 69 lks. dist. marked T. 33 R. 45. S. 24 B.T. Land, broken. Soil, 3rd rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W. of the 6th Principal Meridian.

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

Variation 14° 30' East.

Chains	
	Descend.
4.00	Cañon, descends N.E. & ascend.
9.00	Top of spur from S.W. & descend.
25.00	Foot of hill & enter creek bottom bears N. & S.
40.00	Set post for temporary 1/4 sec. cor.
44.00	Creek 15 lks. wide, runs N. Leave Sparse pine timber, bears N. & S.
50.00	Leave bottom land, bears N. & S.
80.40	Intersect E. boundary of Tp. 10 lks. S. of cor. to secs. 19, 24, 25 & 30. Thence I run S. 89° 56' W. on a true line between secs. 24 & 25 with same variation.
40.20	Set a Box elder post, 4 ft. long, 3 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. 5½ ft. dist. & raised a mound of earth, 1½ ft. high, 3½ ft base. around post, from which An Elm 12 ins diam bears S. 25° W. 35 lks. dist. marked 1/4 S B T. A Box elder 4 ins. diam. bears N. 20 E. 22 lks. dist. marked 1/4 S.B.T.
80.40	The cor. to secs. 23, 24, 25 & 26. Land, broken. Soil 2nd rate. Vegetation, grass. Elm timber & Brush along creek.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 23 and 24. Variation 14° 20′ East.
	Ascend.
18.00	Top of spur. from S.W. & descend.
36.00	Foot of bluff. bears E. & W.
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 W. face dug pits 18×18×12 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.
65.00	Creek. 5 lks. wide. runs N.W.
80.00	Set a boxelder post. 4 ft. long 4 ins. square. with charred stake. 12 ins. in the ground for cor. to secs. 13. 14. 23 & 24. marked T. 33 S. 13 on N.E. R 45 S. 24 on S.E. S. 23 on S.W. & S. 14 on N.W. faces. with 3 notches on S. & 1 notch on E. edges; dug pits 18×18×12 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. 2d rate
	Vegetation. grass. Sparse elm timber along creek.

Township 33 N. Range 45 W
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24. Variation 14° 30′ East.
5.00	Ascend W. slope.
25.00	Top of bluffs. bears N.W. & S.E.
40.00	Set post for temporary 1/4 sec. cor.
77.00	Cañon. 300 lks. wide. descends N.W.
80.65	Intersect E. boundary of Township. 51 lks. S. of cor. to secs. 13, 18, 19 & 24. Thence I run S. 89° 38′ W. on a true line between secs. 13 & 24 with same variation.
40.32	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 18×18×12 ins. E. & W. of post. 5 1/2 ft. dist. & raised a mound of earth. 1 1/2 ft. high. 3 1/2 ft. base. around post.
80.65	The cor. to secs. 13, 14, 23, & 24.
	Land. rolling.
	Soil. 2d rate.
	Vegetation. grass and sage.

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 found 42° 53′ N. to be correct.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, between Sections 13 and 14.

Variation 14° 20' East.

Chains	
10.00	White Clay creek, 15 lks. wide, runs N.E.
24.00	Same creek, 15 lks. wide, runs N.W.
38.00	Same creek, 18 lks. wide, runs N.E.
40.00	Set a Box elder post, 4 ft. long, 3 ins. square with charred stake, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face. dug pits 18×18×12 ins. N. & S. of post. 5½ ft. dist. & raised a mound of earth 1½ ft. high. 3½ ft. base. around post. from which, a log house bears N. 35° W. about 15 chains dist.
54.00	White Clay creek, 16 lks. wide, runs N.W.
74.00	Same creek, 20 lks. wide, runs N.E.
80.00	Set a Box elder post, 4 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. 45 S. 13 on S.E. S. 14 on S.W. & E. 11 on N.W. faces, with 4 notches on S. & 1 notch on E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft. dist. & raised a mound of earth, 2 ft. high, 4½ ft. base, around post. Land, level. Soil, 2nd rate. Vegetation, grass. Elm & Box elder timber, along creek.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

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

Variation 14° 30' East.

Chains	
8.50	White Clay creek, 16 lks. wide, runs North
15.00	Leave creek bottom, bears (W. & S.
40.00	Set stone for temporary 1/4 sec. cor.
80.36	Intersect E. boundary of Tp. 52 lks. S. of cor. to secs. 7, 12, 13 & 18. Thence I run S. 89° 38' W. on a true line between secs. 12 & 13 with same variation.
40.18	Set a sandstone 12×7×7 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. & W. of stone. 5½ ft. dist. and raised a mound of earth. 1½ ft. high. 3½ ft. base. alongside.
80.36	The cor. to secs. 11, 12, 13 & 14. Land, gently rolling. Soil, 2nd rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W
of the 6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 14° 20' East.
36.00	Garden fence, bears E. & W.
37.20	Ranch, bears E. 8 chs. dist.
40.00	Set a box elder post 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. on W. face; dug pits 18 × 18 × 12 ins. N. & S. of post, 5½ ft. dist., & raised a mound of earth 1½ ft. high, 3½ ft. base around post.
45.00	Leave garden. Fence, bears E. & W.
45.50	White clay creek, 20 lks. wide, runs N.W.
51.50	Same creek, 20 lks. wide, runs N.E.
59.50	Wagon road, bears N.W. & S.E.
63.00	Wagon road, bears N.W. & S.E.
72.00	Wagon road, bears N.E. & S.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. 45 W., S. 12 on S.E., S 11 on S.W., with notches on S. & notch on E. edges; & S. 2 on N.W. facing, dug pits 18 × 18 × 12 ins. in each sec., 5½ ft. dist., & raised a mound of earth, 2 ft. high, 4½ ft. base around post. The S.W. corner of Swallow's claim. Land, level. Soil 1st rate. Vegetation, grass. Deciduous timber along creek.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 14° 20 East.
1.50	Wagon road, bears N.W. & S.E.
4.50	Fence, bears N. & S. Enter field.
7.50	Ranch, bears South 2 chs. dist.
9.50	White clay creek, runs N.W.
17.00	Fence, bears N. & S. Leave field.
40.00	Set stone for temporary ¼ sec. cor., leave bottom land, bears N. & S. & a sand.
67.00	Top of spur from S.E. & descend.
75.00	Bottom of ravine, descends N.W., & ascend.
80.69	Intersect E. boundary of Tp. 13 lks. S. of cor. to secs. 1, 6, 7 & 12. Thence I run S. 89° 54' W. on a true line between secs. 1 & 12 with same variation.
40.34	Set a sandstone, 16 × 12 × 5 ins., 11 ins. in the ground, for ¼ sec. cor., marked ¼ on N. face; dug pits 18 × 18 × 12 ins., E. & W. of stone, 5½ ft. dist., & raised a mound of earth ½ ft. high, 3½ ft. base, alongside.
80.69	The S.E. corner of Swallow's Claim. The cor. to secs. 1, 2, 11 & 12. Land, rolling. Soil, 2nd rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 14° 20′ East.
1.00	Wagon road. bears N.W. & S.E.
21.00	White Clay creek. 20 lks. wide, runs N.W.
40.00	Set post for temporary ¼ sec. cor.
55.00	Leave creek bottom, bears N.W. & S.E.
79.18	Intersect N. boundary of Tp. 85 lks. W. of cor. to secs. 1. 2. 35 & 36. Thence S. 36′ W. on a true line between secs. 1 & 2 with same variation.
39.18	Set an ash post. 4 ft. long. 4 ins. square with charred stake. 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on W. face dug pits 18×18×12 ins. N. & S. of post. 5½ ft. dist. & raised a mound of earth 1½ ft. high. 3½ ft. base around post.
79.18	The N.W. corner of Swallows Claim The cor. to secs. 1. 2. 11 & 12.

Land. level. Soil. 1st rate.
Vegetation. grass.

J. H. Fairfield Aug. 4th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

From the standard cor. to secs 34 & 35 on the South boundary of Tp 7 run

Chains	North, between Sections 34 and 35. Variation 14° 20′ East.
	Note- The standard cor. to secs. 34 & 35 is an ash post. 4½ ft. long. 4 ins. square. properly marked. set in mound of earth, with pits E. W. & N. which I redug. and rebuilt mound.
40.00	Set a pine post. 4 ft. long. 4 ins. square. with charred stake 12 ins. in the ground. for ¼ sec. cor. marked ¼ S. on W. face. dug pits 18×18×12 ins. N. & S. of post. 5½ ft. dist. & raised a mound of earth. 1½ ft. high. 3½ ft. base. around post.
53.00	Creek. 8 lks. wide. runs. N.E.
80.00	Set a pitch pine post 4 ft. long. 4 ins. square. with charred stake. 12 ins. in the ground. for cor. to secs. 26. 27. 34 & 35. marked T. 33 S. 26 on N.E. R. 45 S. 35. on S.E. S. 34 on S.W. & S. 27 on N.W. faces. with 1 notch on S. & 2 notches on E. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. & raised a mound of earth 2 ft. high. 4½ ft. base around post.

Land. rolling. Soil. 2d rate.
Vegetation. grass.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

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

Variation 14° 20' East.

Chains	
3.00	Creek. 5 lks. wide, runs N.W.
11.00	Same creek. 5 lks. wide, runs S.W. ascend.
17.00	Same creek. 5 lks. wide, runs N. & E. ascend.
40.00	Set post for temporary 1/4 sec. cor.
58.00	Top of divide, bears N. & S.
78.00	Canon, 25 lks. wide, descends N.E. & enter sparse pine timber bears N. & S.
80.32	Intersect N. & S. line, 44 lks. S. of cor. to secs. 25, 26, 35 & 36. Thence run S. 89° 41' W. on a true line between secs 26 & 35 with same va.
40.16	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. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, around post.
80.32	The cor. to secs. 26, 27, 34 & 35. Land, broken. Soil, 2d rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, between Sections 26 and 27.

Variation 14° 20' East.

Chains	
5.00	Creek. 5 lks. wide, runs N.W. ascend. and enter sparse pine timber, bears E. & W.
32.00	Top of spur from S.E. & descend.
38.00	Bottom of ravine, descends N.W. & ascend.
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 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.
52.00	Top of spur from S.E. and descend.
80.00	Set a pine post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for cor. to secs. 22, 23, 26 & 27. marked T. 33 S. 23 on N.E., R. 45 S. 26 on S.E. S. 27 on S.W. & S. 22 on N.W. with 2 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, around post. Land, mountainous. Soil 2d rate. Vegetation, grass. Sparse pine timber. 80 chains, mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 14° 30′ East.
	Descend.
10.00	Bottom of ravine, descends N. & ascend.
20.00	Top of spur from S. & descend.
31.00	Bottom of Ravine descends N. & ascend.
40.00	Set post for temporary 1/4 sec. cor.
55.00	Top of divide, bears N. & S.
80.50	Intersect N. & S. line, 22 lks. S. of cor. to secs. 23, 24, 25 & 26, Thence I run S. 89° 51′ W. on a true line between secs. 23 & 26 with same variation.
40.25	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 18×18×12 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.
80.50	The cor. to secs. 22, 23, 26 & 27
	Land 56.00 Chs mountainous and 24.50 Chs. broken.
	Soil 2d rate.
	Vegetetation, grass. Sparse pine timber.
	~~55 chains mountainous.~~
	~~24.50 Chs. broken.~~

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 14° 20′ East.
	Descend.
31.00	White Clay creek, 6 lks. wide, runs N.E. & enter bottom land, bears N.E. & S.W.
37.00	Same creek, 10 lks. wide runs N.W.
40.00	Set a boxelder 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 18×18×12 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.
42.00	White clay creek, 10 lks wide, runs N.E.
46.00	Leave creek bottom, bears E. & W.
50.00	Ravine, 60 lks. wide, descends S.E.
80.00	Set a sandstone, 12×10×8 ins. 8 ins. in the ground, for cor. to secs. 14, 15, 22 & 23, marked with 3 notches on S. & 2 on E. edges, dug pits 18×18×12 ins. in each sec. 5 1/2 ft. dist. & raised a mound of earth, 2 ft. high 4 1/2 ft. base, alongside.
	Land, rolling.
	Soil, 1st rate.
	Vegetation, grass. Sparse pine timber. Deciduous timber along creek.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 14° 50' East.
26.00	Wagon road, bears N.E. & S.W.
32.00	Enter creek bottom bears N.E. & S.W.
38.00	White Clay creek, 6 lks. wide, runs N.E.
40.00	Set post for temporary ¼ sec. cor.
45.00	Leave creek bottom, bears N.E. & S.W.
77.00	Creek, 10 lks. wide, runs N.E.
80.75	Intersect N. & S. line at cor. to secs. 13, 14, 23 & 24. Thence I run West on a true line between secs. 14 & 23. with same variation.
40.37	Set a boxelder post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face; dug pits 18 x 18 x 12 ins. E. & W. of post, 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.75	The cor. to secs. 14, 15, 22 & 23. Land, rolling. Soil, 1st rate. Vegetation, grass. Timber along creeks.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 14° 20' East.
	Ascend South slope.
40.00	Set a pine post, 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. on W. face; dug pits 18 x 18 x 12 ins. N. & S. of post, 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base around post.
42.00	Top of ridge, bears N.E. & S.W.
78.00	Wagon road, bears N.E. & S.W.
80.00	Set a sandstone, 30 x 12 x 8 ins. 18 ins. in the ground, for cor. to secs. 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. 5½ ft. dist. & raised a mound of earth 2 ft. high, 4½ ft. base, alongside. Land, rough, and broken. Soil, 2nd 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 found 42° 53' N. to be correct.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 14° 30' East.
25.00	Wagon road bears N.E. & S.W.
40.00	Set a post for temporary ¼ sec. cor.
68.00	Wagon road bears N.E. & S.W.
77.00	Wagon road bears N.E. & S.W.
80.80	Intersect N. & S. line 36 lks. S. of cor. to secs. 11, 12, 13 & 14. Thence run S. 89 45' W. on a true line between secs 11 & 14 with same variation.
40.40	Set a box elder post 4 ft. long, 4 ins. square, with charred stake, 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. on N. face, dug pits 18 x 18 x 12 ins. E. & W. of post, 5½ ft. dist. & W. raised a mound of earth 1½ ft. high, 3½ ft. base around post.
80.80	The cor. to secs. 10, 11, 14 & 15. Land, rolling. Soil, 1st rate. Vegetation, grass.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 14° 20' East.
26.00	Descend N.W. slope.
40.00	Set a sandstone, 12 x 7 x 6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits 18 x 18 x 12 ins. N. & S. of stone, 5½ ft. dist. & W. raised a mound of earth, 1½ ft. high, 3½ ft. base, along line
50.00	Bottom of ravine, descends N.E. & W. ascend.
68.00	Top of spur from W. and descend.
76.00	Bottom of ravine, descends E. & W. ascend.
80.00	Set a sandstone, 16 x 12 x 8 ins. 10 ins. deep, for cor. to secs. 2, 3, 10 & 11, marked with 5 notches on S. & 2 notches on E. edges, and raised a mound of stone, Pits impracticable. 26.00 lks. 54.00 lks. Land mountainous. & broken. Soil, 2nd rate. Vegetation, grass, Sparse pine timber. ~~80 Chs. mountainous.~~

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

East, on a random line between Sections 2 and 11.
Variation 14° 50' East.

Chains	
	Ascend. over N. slope.
40.00	Set stone for temporary ¼ sec. cor.
42.00	Ravine 40 lks. wide, descends N.E.
65.00	Wagon road, bears N.W. & S.E.
80.20	Intersect N. & S. line at cor. to secs. 1, 2, 11 & 12, thence I run West on a true line between secs. 2 & 11 with same variation.
40.10	Set a sandstone, 16 x 10 x 5 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits 18 x 18 x 2 ins. E. & W. of stone, 5½ ft. dist. & W. raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80.20	The cor. to secs. 2, 3, 10 & 11. Land, broken. Soil, 2d rate. Vegetation, grass.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, on a random line between Sections 2 and 3.
Variation 14° 15' East.

Chains	
	From cor. ascend S. slope.
5.00	Top of divide, bears E. & W.
40.00	Set stone for temporary ¼ sec. cor.
54.00	Drain, 20 lks. wide, descends N.E.
78.77	Intersect N. boundary of Tp. 10 4 lks. W. of cor. to secs. 2, 3, 34 & 35. Thence I run S. 45' W. on a true line between secs. 2 & 3, with same variation.
38.77	Set a sandstone, 20 x 18 x 6 ins. 15 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dug pits 18 x 18 x 12 ins. N. & S. of stone, 5½ ft. dist. & W. raised a mound of earth 1½ ft. high, 3½ ft. base, alongside.
78.77	The cor. to secs. 2, 3, 10 & 11. Land, rolling. Soil, 1st & 2d rate. Vegetation, grass.

J. L. Propst. Aug. 4th 1882.

Township 33 N. Range 45 W.

of the 6th Principal Meridian.

From the standard cor. to secs. 33 & 34 on S. boundary. I run

Chains North, between Sections 33 and 34.

Variation 14° 20' East.

Note- The standard cor. to secs. 33 & 34 is a Sandstone. 20 x 12 x 8 ins. properly set marked. S.C. on N. face. with 3 notches on E. & W. edges. and pits E.W. & N. ~~which I redug, and rebuilt mound.~~

40.00 Set a sandstone 13 x 8 x 8 ins. 8 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face; dug pits 18 x 18 x 12 ins. 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 sandstone 18 x 9 x 5 ins. 12 ins. in the ground, for cor. to secs. 27. 28, 33 & 34 marked with 1 notch on S. & 3 notches on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth. 2 ft. high. 4 1/2 ft. base. alongside.

Land. rolling.

Soil. 1st rate.

Vegetation. grass.

Township 33 N. Range 45 W.

of the 6th Principal Meridian.

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

Variation 14° 30' East.

20.00 Offset S. 3 chs. to avoid. deep cañon. descends N.E. from N.W. Enter sparse pine timber.

40.00 Offset N. 3 chs. to random line and set post for temporary 1/4 sec. cor. Thence East. Ascend.

60.00 Top of ridge. bears N. & S.W.

80.45 Intersect N. & S. line. 30 lks. S. of cor. to secs. 26, 27, 34 & 35. Thence I run S. 89° 47' W. on a true line between secs. 27 & 34 with same variation.

40.22 Set a pine post 4 ft. long. 3 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.

80.45 The cor. to secs. 27. 28. 33 & 34.

Land. broken.

Soil. 2d rate.

Vegetation. grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, between Sections 27 and 28.

Variation 14° 20' East.

Chains	
30.00	Enter pine timber bears S. & W.
40.00	Set a sandstone 13×9×5 ins. 8 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. & S. of stone 5½ ft. dist., and raised a mound of earth, 1½ ft. high 3½ ft. base. alongside.
68.00	Descend N. slope.
80.00	Set a sandstone 26×10×5 ins., 18 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 18×18×12 ins. in each sec. 5½ ft. dist. & raised a mound of earth. 2 ft. high. 4½ ft. base alongside.
	Land, rolling.
	Soil. 2nd rate.
	Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

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

Variation 14° 50' East.

Chains	
	Ascend.
18.00	Top of spur from S. and descend.
40.00	Set Stone for temporary ¼ sec. cor.
42.00	Creek 2 lks. wide runs N.E. and ascend.
75.00	Top of spur from S. and descend.
80.40	Intersect N. & S. line 10 lks. N. of cor. to secs. 22, 23, 26 & 27. Thence I run N. 89° 56' W. on a true line between secs. 22 & 27 with same variation.
40.20	Set a sandstone 14×8×6 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. from which A pine. 8 ins. diam. bears S. 45° E. 60 lks dist. marked ¼ S. B.T. No other tree within limits: dug pits 18×18×12 ins. E. & W. of stone, 5½ ft. dist. & raised a mound of earth. 1½ ft. high. 3½ ft. base. alongside.
80.40	The cor. to secs. 21, 22, 27 & 28.
	Land, mountainous.
	Soil. 2nd rate.
	Vegetation, grass. Sparse pine timber.
	80.40 chs. mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 21 and 22. Variation 14° 20' East.
	Descend.
26.50	White Clay creek, 5 lks. wide, runs N.E. at foot of N. slope.
40.00	Set a sandstone 13×8×6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face dug pits 18×18×12 ins. N. & S. of stone, 5½ ft. dist. and raised a mound of earth. 1½ ft. high, 3½ ft. base, alongside.
80.00	Set a sandstone, 24×12×6 ins. 18 ins. in the ground, for cor. to secs. 15, 16, 21. & 22. marked with 3 notches on S. & E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft. dist. and raised a mound of earth, 2 ft. high, 4½ ft. base, alongside. Land, rough and broken. Soil, 2d rate. Vegetation, grass, - Sparse pine timber.
Note	Flying clouds prevented me from observing for latitude at noon. From previous observations I am sure my compass is in perfect adjustment.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22. Variation 14° 50' East.
	Descend.
24.00	Bottom of ravine, descends S.E. & ascend.
39.00	Top of spur from N. and descend.
40.00	Set post for temporary ¼ sec. cor.
46.00	Bottom of ravine, descends S. & ascend.
54.00	Top of spur from N. & descend.
65.00	Bottom of ravine, descends S. & ascend.
73.00	Top of spur from N. & descend.
80.63	Intersect N. & S. line 17 lks. N. of cor. to secs. 14, 15, 22 & 23. Thence I run N. 89° 53' W. on a true line between secs. 15 & 22, with same va.
40.31	Set a pine post, 4 ft. long, 5 ins. square, with charred stake 12 ins. in the ground, for ¼ sec. cor. marked ¼ S. on N. face dug pits 18×18×12 ins. E. & W. of post, 5½ ft. dist. and raised a mound of earth, 1½ ft. high 3½ ft. base, around post.
80.63	Corner to Secs. ~~14, 15, 22 and 23.~~ 15, 16, 21 & 22 Land, mountainous. Soil, 2d rate. Vegetation, grass. Sparse pine timber. 56.63 chs. mountainous.
	24. Chs. broken.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, between Sections 15 and 16.

Variation 14° 20' East.

Chains	
25.00	Bottom of ravine descends S.E. & ascend.
37.00	Top of divide, bears N.E. & S.W.
40.00	Set a sandstone, 16×9×5 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits 18×18×12 ins. N. & S. of stone, 5½ ft. dist. & W. raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
42.00	Descend N. slope.
42.50	Wagon road, bears N.E. & S.W.
80.00	Set a sandstone 12×12×12 ins. 8 ins. in the ground, for cor. to secs. 9, 10, 15 & 16, marked with 4 notches on S. & 3 notches on E. edges; dug pits 18×18×12 ins. in each sec. 5½ ft. dist. & W. raised a mound of earth, 2 ft. high, 4½ ft. base, alongside.
	Land, mountainous.
	Soil, 2d rate.
	Vegetation, grass. Sparse pine timber.
	~~80 Chains mountainous.~~

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

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

Variation 14° 50' East.

Chanis	
	Ascend.
18.00	Top of spur, from S.W. & N.E. descend.
30.00	Bottom of canon, descends N.E. & ascend.
38.00	Top of spur from S. & descend.
40.00	Set stone for temporary ¼ sec. cor.
62.00	Bottom of ravine, descends N. & ascend.
80.60	Intersect N. & S. line, 40 lks. N. of cor. to secs. 10, 11, 14 & 15. Thence I run N. 89° 45' W. on a true line between secs. 10 & 15: with same variation.
40.30	Set a sandstone 12×8×7 ins. 8 ins. in the ground for ¼ sec. cor. marked ¼ on N. face, dug pits 18×18×12 ins. E. & W. of stone, 5½ ft. dist. & W. raised a mound of earth 1½ ft. high, 3½ ft. base, alongside.
80.60	The cor. to secs. 9, 10, 15 & 16, 62.00 Chs. Land, mountainous, and 18.60 Chs broken
	Soil, 2d rate.
	Vegetation, grass.
	~~62 Chs. mountainous.~~
	~~18.60 Chs. broken~~

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains — North, between Sections 9 and 10.

Variation 14° 15′ East.

5.00 Enter sparse pine timber and descend N. slope.
19.00 Bottom of ravine, descends N.E. & ascend.
31.00 Top of spur from W. and descend.
40.00 Set a sandstone, 14×8×6 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dug pits 18×18×12 ins. N. & S. of stone, 5 1/2 ft. dist. and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, alongside.
41.00 Bottom of ravine, descends E. and ascend.
60.00 Top of high divide bears E. & W. and leave sparse pine timber.
80.00 Set a sandstone 20×10×6 ins. 15 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 18×18×12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth, 2 ft. high, 4 1/2 ft. base, alongside.
Land, mountainous.
Soil, 2d & 3d rate.
Vegetation, grass. Sparse pine timber.
~~80 chains mountainous.~~

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

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

Variation 14° 36′ East.

20.00 Drain, descends N.E. and enter sparse pine timber.
27.00 Drain 20 lks. wide, descends N.W.
40.00 Set a sandstone, for temporary 1/4 sec. cor.
41.00 Descend E. slope.
43.00 Foot of E. slope, and ascend.
65.00 Top of spur from S.W. descend, and leave sparse pine timber.
80.66 Intersect N. & S. line 10 lks. S. of cor. to secs. 2, 3, 10 & 11. Thence I run S. 89° 56′ W. on a true line between secs. 3 & 10 with same variation.
40.33 Set a sandstone, 14×8×6 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. & W. of stone, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
80.66 The cor. to secs. 3, 4, 9 & 10
Land, 43.00 Chs. broken, and 37.66 Chs. mountainous.
Soil, 2d & 3d rate.
Vegetation, grass. Sparse pine timber.
~~80.66 Chs. mountainous~~

Township 33 N. Range 45 W.

Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 14° 15' East.
37.00	Ascend S. slope of ridge.
40.00	Set stone for temporary ¼ sec. cor.
41.00	Top of high ridge; comrd with a sparse growth of pine timber; bears E. & W. and descend N. slope;
47.00	Foot of N. slope of ridge.
79.02	Intersect N. boundary of Tp. 120 lks. W. of cor. to secs. 3, 4, 33 & 34. Thence I run S. 5' W. on a true line between secs. 3 & 4 with same var.
39.02	Set a sandstone 14×10×8 ins. 9 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits 18×18×12 ins. N. & S. of stone, 5½ ft. dist. & W. raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
79.02	The cor. to secs. 3, 4, 9 & 10. Land, broken. Soil 2d rate. Vegetation, grass. Sparse pine timber.

J. H. Fairfield Aug 8th 1882.

Township 33 N. Range 45 W.

of the 6th Principal Meridian.

From the Standard cor. to secs. 32 & 33 on S. Boundary I run

Chains	North, between Sections 32 and 33. Variation 14° 10' East.
	Note.—The standard cor. to secs. 32 & 33 is an Elm post, 4½ ft. long, 4 ins. square, properly set, marked S.C. on N. face, with 4 notches on E. & 2 on W. sides, with pits N., E. & W. of post, which I dug and rebuilt mound.
40.00	Set a sandstone, 17×10×8 ins. 11 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits 18×18×12 ins. N. & S. of stone, 5½ ft. dist. & W. raised a mound of earth, 1½ ft. high, 3½ ft. base alongside.
41.00	Ravine, 150 lks. wide, descends N.W.
49.00	Enter pine timber, bears E. & W.
80.00	Set a sandstone, 18×10×8 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 18×18×12 ins. in each sec. 5½ ft. dist. & W. raised a mound of earth 2 ft. high, 4½ ft. base, alongside, Land, rolling. Soil, 2d rate. Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

East, on a random line between Sections 28 and 33.
Variation 14° 50' East.

Chains	
38.00	Ravine, 12 lks. wide, descends N.E.
38.25	Leave sparse pine timber, bears N. & S.
40.00	Set stone for temporary 1/4 sec. cor.
80.14	Intersect N. & S. line 2 lks. S. of cor. to secs. 27, 28, 33 & 34. Thence I run S. 89° 59' W. on a true line between secs. 28 & 33 with same variation.
40.07	Set a sandstone 15 x 7 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. 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.
80.14	The cor. to secs. 28, 29, 32 & 33.

Land, rolling.
Soil, 2nd rate.
Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, between Sections 28 and 29.
Variation 14° 5' East.

Chains	
2.00	Descend N. slope.
35.00	Bottom of cañon, descends N.W. & ascends.
40.00	Set a pine post 4 ft. long, 4 ins. square, 24 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face; from which A pine, 24 ins. diam., bears N. 70° W. 13 lks. dist., marked 1/4 S. B. T. A pine, 18 ins. diam., bears S. 60° E. 31 lks. dist., marked 1/4 S. B.
48.00	Top of spur from S.E. & descend.
79.75	White clay creek 20 lks. wide, runs S.E. at foot of mountain.
80.00	Set a boxelder post 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for cor. to secs. 20, 21, 28 & 29, marked T. 33 N. S. 21 on N.E. R. 45, S. 28 on S.E., S. 29 on S.W. & S. 20 on N.W. faces; with 2 notches on S. & 4 on E. edges; from which A Boxelder 8 ins. diam. bears N. 45° E. 26 lks. dist., marked T. 33, R. 45 S. 21 B. T. A Boxelder 6 ins. diam. bears N. 30° W. 26 lks. dist., marked T. 33, R. 45 S. 20 B. T. No other trees within limits. Dug pits in secs. 28 & 29. 80 chs. mountainous. Soil 2nd rate.

Vegetation, grass. Sparse pine timber.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

East, on a random line between Sections 21 and 28.
Variation 14° 5' East.

Chains	
10.00	White Clay creek, 20 lks. wide, runs N.E. ¾ ascend.
27.00	Top of spur from S.W. and descend.
40.00	Set stone. for temporary ¼ sec. cor.
41.00	Bottom of ravine descends N. ¾ ascend.
47.00	Top of spur from S. and descend.
80.00	Intersect N. & S. line. 7 lks. S. of cor. to secs. 21, 22, 27 & 28. Thence I run S. 89° 57' W. on a true line between secs. 21 & 28 with same variation.
40.00	Set a sandstone 12 × 8 × 6 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face. dug pits 18 × 18 × 12 ins. E. & W. of stone. 5½ ft. dist. ¾ raised a mound of earth, 1½ ft. high 3½ ft. base. alongside.
80.00	The cor. to secs. 20, 21, 28 & 29.

Land, mountainous.
Soil, 2d rate.
Vegetation, grass.
80 Chs. mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

North, between Sections 20 and 21.
Variation 14° 5' East.

Chains	
11.00	Bottom of ravine, descends S.E. & ascend.
30.01	Top of spur from N.W. ¾ descend.
40.00	Set a sandstone, 16 × 9 × 5 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dug pits 18 × 18 × 12 ins. N. & S. of stone 5½ ft. dist. ¾ raised a mound of earth 1½ ft. high, 3½ ft. base, alongside.
42.00	Bottom of ravine, descends S.E. & ascend.
55.00	Top of spur from N.W. & descend.
75.00	Bottom of ravine, descends S.E. ¾ ascend.
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 T. 33 S. 16. on N.E. R. 45 S. 21 on S.E. S. 20 on S.W. & S. 17 on N.W. From which A pine 10 ins. diam. bears S. 45° W. 47 lks. dist. marked T. 33 R. 45 S. 20 B.T. A pine 18 ins. diam. bears S. 70° E. 51 lks. dist. marked T. 33. R. 45 S. 21 B.T. No other trees within limits; dug pits 18 × 18 × 12 ins. in secs 16 & 17 and raised a mound of earth around post.

Land, mountainous. Soil, 2d rate.
Vegetation, grass. Sparse pine timber.
80 chains, mountainous.

Township 33 N. Range 41 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 14° 30' East.
	Descend. over S.E. slope.
36.50	Bottom of cañon, descends S.E. & ascends.
40.00	Set a post for temporary ¼ sec. cor.
70.00	Top of ridge, bears N.W. & S.E.
80.30	Intersect N. & S. line, 41 lks. N. of cor. to secs. 15, 16, 21 & 22. Thence I run N. 89° 42' W. on a true line between secs. 16 & 21 with same va.
40.15	Set a pine post, 4 ft. long, 4 ins. square, with charred stake 12 ins. in the ground, for ¼ sec. cor., marked ¼ S. on N. face, dug pits 18 x 18 x 12 ins. E. & W. of post, 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base, around post, from which a pine, 18 ins. diam. bears N. 25 lks. dist. marked ¼ S. B.T.
80.30	The cor. to secs. 16, 17, 20 & 21. Land, mountainous. Soil, 2d rate. Vegetation, grass. Pine timber. 70 chains mountainous. 10.30 Chs. broken.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 14° East.
	Ascend.
40.00	Set a sandstone 17 x 6 x 6 ins. 12 ins. in the ground, for ¼ sec. cor., marked ¼ on W. face, dug pits 18 x 18 x 12 ins. N. & S. of stone, 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base, alongside.
42.00	Top of ridge, bears E. & W.
46.00	Wagon Road, from Sidney to Pine Ridge, bears N.E. & S.W. Top of mountainous divide bears N.E. & S.W.
80.00	Set a sandstone 16 x 9 x 9 ins. 11 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. 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base, alongside. 34.00 46.00
	Land, broken and mountainous. Soil, 2d rate. Vegetation, grass. Sparse pine timber. 80 Chs. mountainous.
Note.	Flying clouds prevented me from observing for latitude at noon. From previous observations I am sure my compass is in perfect adjustment.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16. Variation 14° 30' East.
7.50	Cañon 20 lks. wide, descends N.W. & ascends.
32.00	Top of ridge bears N. & S. & descend.
40.00	Set stone for temporary 1/4 sec. cor.
47.00	Bottom of cañon, descends N.E. & ascend.
50.00	Top of spur from S. and descend.
80.40	Intersect N. & S. line. 30 lks. N. of cor. to secs. 9. 10. 15 & 16. Thence I run N. 89° 47' W. on a true line between secs. 9 & 16 with same variation.
40.20	Set a sandstone 18 x 10 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. and raised a mound of earth. 1 1/2 ft. high. 3 1/2 ft. base, alongside.
80.40	The cor. to secs. 8, 9, 16 & 17,
	Land, mountainous.
	Soil. 2d rate.
	Vegetation, grass. Sparse pine timber.
	80.40 chains, mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, between Sections 8 and 9. Variation 14° East.
	Descend.
14.50	Bottom of cañon, descends N.W. & ascend.
26.00	Top of spur from S.E. & descend.
36.00	Bottom of ravine descends N.W. & ascend.
40.00	Set a sandstone 16 x 12 x 6 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. From which a pine 15 ins. diam. bears N. 20° E. 9 lks. dist. marked 1/4 S. B. T.
54.00	Top of ridge. bears N.W. & S.E. and descend.
77.00	Bottom of ravine descends N.W. & ascends.
80.00	Set a pine post. 5 ft. long. 5 ins. square. with charred stake. 12 ins. in the ground. for cor to secs. 4, 5, 8 & 9, marked T. 33 S. 4 on N.E. R. 45 S. 9 on S.E. S. 8 on S.W. & S 5 on N.W. with 5 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, mountainous. Soil. 2d rate.
	Vegetation, grass. Sparse pine timber.
	80 chains, mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 14° 30' East.
	Ascend.
19.00	Top of Ridge bears N. & S. and descend.
36.00	Bottom of ravine, descends N.E. & ascend.
40.00	Set stone for temporary ¼ sec. cor.
57.00	Top of spur from S. and descend.
63.00	Bottom of ravine, descends N.W. & ascend.
71.00	Top of spur from S. and descend.
80.30	Intersect N. & S. line, 45 lks. N. of cor. to secs. 3, 4, 9 & 10. Thence I run N. 89° 41' W. on a true line between secs. 4 & 9 with same variation.
49.15	Set a sandstone 12 x 10 x 8 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face, dug pits 18 x 18 x 12 ins. E. & W. of stone 5½ ft. dist. and raised a mound of earth, 1½ ft. high, 3½ ft. base, alongside.
80.30	The cor. to secs. 4, 5, 8 & 9.
	Land mountainous.
	Soil 2nd rate.
	Vegetation, grass.
	80.30 chains, mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 14° East.
	Ascend.
40.00	Set stone for temporary ¼ sec. cor.
47.00	Top of ridge, bears E. & W. and descend.
78.97	Intersect N. boundary of Tp. 100 lks. W. of cor. to secs. 4, 5, 32 & 33, Thence I run S. 43' W. on a true line between secs. 4 & 5 with same variation.
38.97	Set a sandstone 12 x 9 x 8 ins. 8 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face, dug pits 18 x 18 x 12 ins. N. & S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base alongside.
78.97	The cor. to secs. 4, 5, 8 & 9.
	Land mountainous.
	Soil 2nd rate.
	Vegetation, grass. Sparse pine timber. 78.97 chs. mountainous.
	J. L. Prop'r. Aug. 5th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

From the Standard cor. to secs. 31 & 32, on S. bdy. I run

Chains — North, between Sections 31 and 32.

Variation 14° East.

Note - The cor. to secs. 31 & 32. is an Ash post 42 ft. long, 4 ins. square, properly marked, set in mound of earth, with pits N., E. & W. which I redug & rebuilt mound.

35.00 Enter sparse pine timber at head of ravine, S.
40.00 Set a sandstone 24 x 8 x 3 ins. 18 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; from which A pine, 10 ins. diam. bears N. 45° E. 37 lks. dist. marked 1/4 S.B.T. A pine, 10 ins. diam. bears S. 40° W. 24 lks. dist. marked 1/4 S.B.T.
40.20 Head of ravine, descends S.E.
41.00 Leave sparse pine timber, bears E. & W.
64.00 Bottom of ravine descends N.E. Enter dense pine timber.
75.00 Leave dense pine timber. bears E. & W.
80.00 Set a sandstone 18 x 14 x 4 ins. 12 ins. in the ground for cor. to secs. 29, 30, 31 & 32. marked with 1 notch on S. & 5 notches on E. edges: dug pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist. & N. & raised alongside a mound of earth 2 ft. high, 4½ ft. base.
Land, mountainous & broken. Soil 2d & 3d rate.
Vegetation, grass. Sparse pine timber.
75 chains, mountainous 5 Chs broken.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

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

Variation 14° 30' East.

11.00 Enter sparse pine timber, bears N. & S.
12.50 Bottom of ravine, descends S.E. & ascend.
35.00 Leave sparse pine timber, bears N. & S.
38.00 Top of spur from S. & descend.
40.00 Set post for temporary 1/4 sec. cor.
50.20 Creek, 3 lks. wide, runs N.E.
62.00 Ravine, 30 lks. wide, descends N.W. & ascend.
79.80 Intersect N. & S. line 4 lks. N. of cor. to secs. 28, 29, 32 & 33. Thence I run N. 89° 58' W. on a true line between secs. 29 & 32 with same v.a.
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 W. face, dug pits 18 x 18 x 12 ins. E. & W. of post. 5½ ft. dist. and raised a mound of earth 1½ ft. high, 3½ ft. base, around post.
79.80 The cor. to secs. 29, 30, 31 & 32.
Land, mountainous.
Soil, 2d & 3d rate.
Vegetation, grass & Weeds. Sparse pine timber.
79.80 chains mountainous.

J. H. Fairfield Aug. 7th 1882.

Township 33 N. Range 45 W. of the 6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 14° 30′ East.
	Descend.
8.00	Enter sparse pine timber, bears N. & S.
15.00	Bottom of ravine descends S.E. & ascend.
21.00	Top of spur from N. & descend.
31.00	Bottom of ravine, descends S.E. & ascend
34.00	Leave sparse pine timber, bears N. & S.
38.00	Top of spur from N. & descend.
40.00	Set post for temporary 1/4 sec. cor.
49.00	Bottom of ravine, descends S.W. & ascend,
77.00	Enter sparse pine timber, bears N. & S.
79.65	Intersect W. boundary of Tp. 8 lks. S. of cor. to secs. 25. 30. 31. & 36. Thence run S. 89° 57′ E. on a true line between secs. 30 & 31 with same variation.
39.65	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 8 1/2 ft. base, around post.
79.65	The cor. to secs. 29, 30, 31 & 32 Land mountainous and broken. Soil 2d & 3d rate. Vegetation, grass. Pine timber.
	79.65 chains mountainous.

Township 33 N. Range 45 W. of the 6th Principal Meridian.

Chains	North, between Sections 29 and 30. Variation 14° East.
	Descend.
11.00	Enter Pine timber, bears E. & W.
12.00	Bottom of ravine, descends S.E. and ascend over E. slope.
31.00	Bottom of cañon descends N. E & ascend.
40.00	Set a pine post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, from which A pine, 12 ins. diam. bears N. 46° E. 24 lks. dist. marked 1/4 S. B.T. - A pine 14 ins. diam. bears N. 5° W. 22 lks. dist. marked 1/4 S. B.T.
47.00	Leave sparse pine timber bears E. & W.
48.00	Top of spur from S.W. and descend.
67.00	Bottom of ravine, descends N.E. and ascend & enter sparse pine timber, bears E. & W.
80.00	Set a sandstone, 20 x 16 x 8 ins. 15 ins. in the ground, for cor. to secs. 19. 20. 29 & 30. marked with 2 notches on S. & 5 notches on E. edges, from which A pine, 24 ins. diam. bears N. 40° E. 57 lks. dist. marked T. 33, R. 45, S. 20 B.T. A pine 10 ins. diam. bears N. 39° W. 32 lks. dist. marked T. 33 R. 45 S. 19 B.T. A pine 24 ins. diam. bears S. 38° W. 43 lks. dist. marked T. 33 R. 45 S. 30 B.T. A pine 14 ins. diam. brs. S. 12° E. 78 lks. dist. marked T. 33. R. 45 S. 29 B.T. 80 chs. mountainous land, Soil 2d & 3d rate. Vegetation grass & weeds. Dense pine timber along ravines.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 14° 30' East.
	From cor. descend, through dense pine timber.
12.50	Bottom of deep cañon, descends S.E. & ascends.
30.00	Leave pine timber, bears N. & S.
40.00	Set stone for temporary ¼ sec. cor.
44.00	Enter sparse pine timber.
53.00	Bottom of short ravine, descends S.E.
66.00	West Fork of White clay cr. 5 lks. wide, runs N.E.
68.00	White Clay cr. 5 lks. wide runs S.E.
79.50	Intersect N. & S. line 10 lks. N. of cor. to secs. 20, 21, 28 & 29. Thence I run N. 89° 56' W. on a true line between secs. 20 & 29 with same v.d.
39.75	Set a sandstone 16 x 12 x 6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. & W. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base, alongside.
79.50	The cor. to secs. 19, 20, 29 & 30. Land, mountainous. Soil, 2d & 3d rate. Vegetation, grass. Dense brush along creek. Sparse pine timber in ravines. 79.50 chains, mountainous.

J. H. Fairfield Aug. 7th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 14° 30' East.
	Descend.
16.50	Bottom of deep cañon, descends N.E. & ascend
19.00	Leave pine timber, bears N.W. & S.E.
40.00	Set stone for temporary ¼ sec. cor.
60.00	Wagon road bears N.E. & S.W.
79.40	Intersect W. boundary of Tp. 10 lks. N. of cor. to secs. 19, 24, 25 & 30. Thence I run N. 89° 56' E. on a true line between secs. 19 & 30 with same v.d.
39.40	Set a sandstone 14 x 12 x 6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. & W. of stone 5½ ft. dist. & raised a mound of earth 1½ ft. high, 3½ ft. base, alongside.
79.40	The cor. to secs. 19, 20, 29 & 30. Land, mountainous. Soil, 2d & 3d rate. Vegetation, grass. Sparse pine timber. 79.40 chains, mountainous.

J. L. Dupst. Aug 7th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian

Chains	North, between Sections 19 and 20. Variation 14° East.
	Descend.
4.00	Bottom of deep cañon, descends S.E. & ascend.
14.00	Top of spur from N.W. descend.
26.00	Bottom of deep cañon, descends S.E. & ascend.
28.00	Leave sparse pine timber
30.00	Top of ridge bears E. & W. & descend.
40.00	Set a sandstone 14×12×6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on W. face. dug pits 18×8×12 ins. N. & S. of stone. 5½ ft. dist. & raised a mound of earth. 1½ ft. high. 3½ ft. base, alongside
72.50	Bottom of cañon. descends S.E. & ascend.
80.00	Set a sandstone 20×16×6 ins. 15 ins. in the ground. for cor. to secs. 17, 18, 19 & 20 marked with 3 notches on S. & 5 notches on E. edges. dug pits 18×18×12 ins. in each sec. 5½ ft. dist. & raised a mound of earth. 2 ft. high. 4½ ft. base, alongside. Land. mountainous. Soil. 3rd rate. Vegetation, grass. Sparse pine timber. 80 chs mountainous

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 14° 30' East.
	Descend.
22.00	Bottom of cañon descends S.E. & ascend.
40.00	Set stone for temporary ¼ sec. cor.
49.00	Bottom of ravine, descends S.E. & ascend.
59.00	Top of ridge bears N. & S. & descend.
76.00	Bottom of ravine, descends S.E. & ascend.
79.60	Intersect. N. & S. line 3 offs. N. of cor. to secs. 16, 17, 20 & 21. Thence I run N. 89° 47' W. on a line between secs 17 & 20.
39.80	Set a sandstone 18×18×8 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face. dug pits 18×18×12 ins. East & West of stone. 5½ ft. dist. & raised a mound of earth 1½ ft. high. 3½ ft. base alongside.
79.60	The cor. to secs. 17, 18, 19 & 20. Land. mountainous. Soil. 2nd rate. Vegetation, grass. Pine timber. 79.60 chains mountainous.
Note	I carefully examined the adjustment of my solar compass today. particularly the latitude & reversing apparatus and found it correct. I also observed for Latitude and found 42° 53' N. to be correct. J. H. Fairfield Aug 7th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian

Chains	West, on a random line between Sections 18 and 19. Variation 14° 30' East.
	Descend.
5.00	Bottom of ravine descends S.E.
14.50	Wagon road, bears N.W. & S.E. & ascend.
21.00	Enter sparse pine timber & descend. broken W. slope.
39.70	Bottom of deep canon descends N.W.
40.00	Set stone for temp. 1/4 sec. cor. & ascend.
47.00	Top of mountainous spur.
65.00	Descend W. slope of spur.
80.10	Intersect W. boundary of T. 4 lks. S. of cor. to secs. 13, 18, 19 & 24. Thence Run S. 89° 48' E. on a true line between secs. 18 & 19 with same va.
40.10	Set a sandstone 16 x 10 x 6 ins. 12 ins in the ground, for 1/4 sec. corner, marked 1/4 on the 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 corner to Secs 17. 18. 19 & 20 Land mountainous Soil 3d rate. Veg. Grass. Sparse pine timber. 80.10 chs. mountainous.

J. L. Bristol Aug. 7th 1880.

Township 33 N. Range 45 W.
Meridian.

Chains	North, between Sections 17 and 18. Variation 13° 50' East.
	Ascend.
16.00	Top of divide, bears N.E. & S.W.
17.50	Sidney & Pine Ridge wagon road, bears N.E. & S.W.
20.00	Descend N. slope
32.00	Bottom of canon descends N.W. & ascend.
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. From which a pine 10 ins. diam. bears S. 9° W. 16 lks. dist. marked 1/4 S. B. T.
77.00	Top of spur from S.E. & descend.
80.00	Set a pine post, 4 ft. long, 4 ins. square, with charred stake, 24 ins. in the ground for cor. to secs. 7, 8, 17 & 18, marked T. 33 S. 8 on N.E. R. 45 S. 17 on S.E. S. 18 on S.W. and S. 7 on N.W. faces. with 4 notches on S. & 5 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. & raised a mound of earth 2 ft. high 4 1/2 ft. base. around post. from which a pine 5 ins diam. bears N. 60° W. 60 lks dist. marked T. 33. R. 45. S. 7 B.T. Soil. 2d rate. Land. mountainous. Vegetation. grass. Pine timber. 80 chs. mountainous.

Township 98 N. Range 45 W. of the 6th Principal Meridian

Chains	East, on a random line between Sections 8 and 17. Variation 14° 30' East.
	Descend.
9.00	Bottom of ravine, descends N.W. & ascend.
27.00	Top of ridge, bears N.W. & S.E. descend
37.00	Bottom of ravine, descends N.W. & ascend.
40.00	Set stone for temporary 1/4 sec. cor.
45.00	Top of spur from S. & descend.
79.52	Intersect N. & S. line at cor. to secs. 8, 9, 16 & 17. Thence I run West on a true line between secs. 8 & 17 with same variation.
39.76	Set a sandstone 24 x 9 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. & raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base, alongside.
7952	The Cor. to Secs. 7-8-17 & 18 Land mountainous. Soil 2nd rate. Vegetation. grass. Sparse pine timber. 79.52 chains mountainous. J. H. Fairfield Aug. 7th 1882.

Township 98 N. Range 45 W. of the 6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 14° 30' East.
	Descend.
10.00	Bottom of ravine, descends N.W. & ascend.
40.00	Set stone for temporary 1/4 sec. cor.
44.00	Top of divide bears N.W. & S.E.
51.00	Wagon road, bears N.W. & S.
55.00	Descend N. slope.
74.00	Bottom of canon, descends S.W. & ascend
78.00	Top of spur from N.E. & descend.
80.65	Intersect W. boundary of Tp. 65 lks. N. of cor. to secs. 7, 12, 13 & 18. Thence I run N. 89° 32' E. on a true line between secs. 7 & 18 with same variation.
40.65	Set a sandstone 16 x 9 x 9 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face. dug pits 15 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.
80.65	The cor. to secs. 7, 8, 17 & 18. Land mountainous. Soil 2nd rate. Vegetation. grass. Sparse pine timber. 80.65 chains mountainous. J. L. Propst Aug 7th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian

Chains	North, between Sections 7 and 8 Variation 14° East.
	Descend.
15.00	Bottom of cañon, descends N.W. & ascend.
24.00	Top of ridge, and descend.
37.00	Bottom of same cañon, descends N.E. and ascend over west slope.
40.00	Set a sandstone 20×8×6 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, dug pits 18×18×2 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 4 pine 20 ins. diam, bears N. 45° W. 34 lks. dist. marked 1/4 S. B. T.
44.00	Bottom of same cañon descends N.W. and ascend.
67.00	Top of spur from East, & descend.
80.00	Set a sandstone 16×8×6 ins, 10 ins. deep, marked with 5 notches on S. & E. edges, & raised a mound of stone. From which A pine 8 ins. diam. bears S. 60° E. 89 lks. dist. marked T. 33 R. 45 S. 8. B. T. A pine 6 ins. diam. bears N. 70° E. 102 lks. dist. marked T. 33 R. 45. S. 5 B. T. No other trees within limits.
	Land, mountainous, Soil, 2d rate.
	Vegetation, grass. Sparse pine timber.
	80 chs. mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 14° 30' East.
	Ascend.
34.00	Top of divide, bears N. & S.
35.00	Descend E. slope.
40.00	Set stone for temporary 1/4 sec. cor.
54.00	Bottom of ravine descends N. & ascend.
70.00	Top of spur from S.E. and descend.
77.00	Bottom of ravine descends N.W. & ascend.
79.45	Intersect N. & S. line 2 lks. S. of cor. to secs. 4, 5, 8 & 9. Thence I run S. 89° 59' W. on a true line between secs. 5 & 8. with same variation.
39.72	Set a sandstone 12×10×4 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18×18×12 ins. E. & W. of stone 3 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, alongside.
79.45	The cor. to secs. 5, 6, 7 & 8.
	Land mountainous
	Soil, 2d rate.
	Vegetation, grass. Sparse pine timber.
	79.45 chains mountainous.
	J. H. Fairfield Aug 7th 1882.

Township 33 N. Range 45 W.
of the 6th Principal Meridian

Chains	West, on a random line between Sections 6 and 7. Variation 14° 30' East.
	Descend.
3.00	Bottom of canon, descends N.E. & ascend.
32.00	Top of ridge, bears N. & S. W'ly descend.
40.00	Set post for temporary 1/4 sec. cor.
44.00	Bottom of ravine, descends N.E. & ascend.
68.00	Top of ridge, bears N.E. & S.W.
80.85	Intersect 30 lks. N. of cor. to secs. 1, 6, 7 & 12 on N. boundary of Tp.
	Thence I run
	N. 89° 47' E. on a true line between secs. 6 & 7. with same variation.
40.85	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. & raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.
80.85	The cor. to secs. 5, 6, 7 & 8.
	Land mountainous.
	Soil 2nd rate.
	Vegetation grass. Sparse pine timber.
	80.85 Chains mountainous.

Township 33 N. Range 45 W.
of the 6th Principal Meridian.

Chains	North, on a random line between Sections 5 and 6. Variation 14° East.
	Descend.
8.00	Bottom of canon, descends N.E. & ascend.
40.00	Set post for temporary 1/4 sec. cor.
40.10	Top of spur from S.W. & descend.
44.00	Bottom of ravine, descends N.E. & ascend.
78.27	Intersect N. boundary of Tp. 7 lks. E. of cor. to secs. 5, 6, 31 & 32. Thence I run S. 3' E. on a true line between secs. 5 & 6 with same variation.
38.27	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. N. & S. of post, 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.
78.27	The cor. to secs. 5, 6, 7 & 8.
	Land, mountainous.
	Soil, 2nd rate.
	Vegetation, grass. Sparse pine timber.
	78.27 Chains mountainous.
	J. L. Propst. Aug 7th 1882.

GENERAL DESCRIPTION.

The land in this Township is mostly rolling, though some parts are mountainous, The soil is of good quality. mostly 1st and 2nd rate. It is well watered and where the land is cultivated good crops are grown. White Clay Creek flows through the Eastern portion and its valley is mostly cultivated. Mr Swallows claim and improvements are in the S. W¼ of Sec. 1. There are several other settlers in the Township. There is considerable valuable pine timber in the S. W. portion and good building stone abound. The Sidney and Pine Ridge wagon road crosses the northern portion of the Township.

U. S. Surveyor-General's Office.

~~Cheyenne, Wyoming.~~

Plattsmouth, Neb. 18

The foregoing Field Notes of the surveys of

Subdivision lines and Retracing of Exterior lines of Township No. 13 North of Range No. 15 West of the Principal Base and Meridian ~~6th Principal Meridian in the Territory of Wyoming~~ State of Nebraska

executed by Joseph H. Fairfield

U. S. Deputy Surveyor, under his contract, dated

June 6, 1882, in the Mo. of Aug. 1882

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

Geo. Smith

U. S. Surveyor-General ~~for Wyoming~~.

Iowa & Nebraska

Field Notes

of

the subdivision lines of

Township 34 North Range 45 West

of the 6th Principal Meridian

by

Joseph H. Fairfield Deputy Surveyor

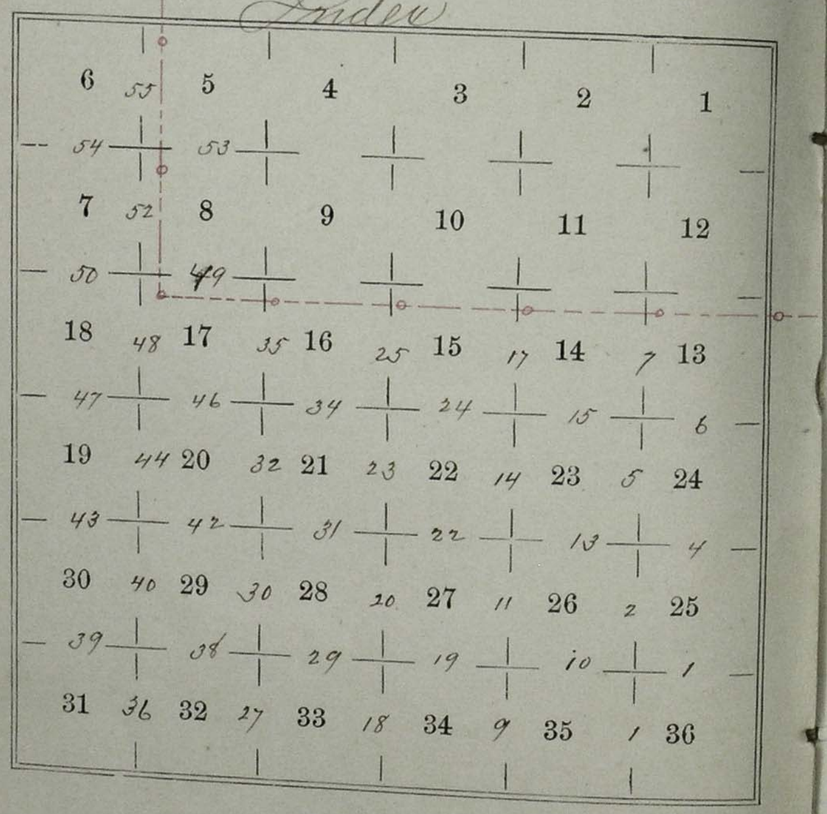
Under his contract of June 6th 1882

Survey commenced August 8th 1882

Survey completed August 10th 1882

Township 34 N. **R.** 45 W.
of the 6th Principal Meridian

Jordan



Before proceeding to subdivide
this Township. I set my compass
at the cor to secs 1. 2. 35 and 36.
on the S. boundary of the Township
and thoroughly tested it. particularly
the latitude by reversing apparatus
and found it correct. I also observed
for Latitude and obtained 42° 53'
North. Thence I run

Township 34 North Range 45 West

Chains	
	North Between Secs. 35 and 36
	Va. 14° 45' E.
40.00	Set a sandstone 12 x 10 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. N. and S. of stone 5 lks. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
54.00	Wagon road brs. N.E. and S. W.
80.00	Set a sandstone 20 x 14 x 8 ins. 15 ins. in the ground. for cor. to Secs. 25. 26. 35 and 36 marked with 1 notch on S. and E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 lks. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

East. Ran. Between Secs. 35 and 36

Va. 14° 45' E

of the 6th Principal Meridian

Chains	
10.00	Wagon road brs. N.E. and S.W.
22.50	Wagon road brs. N.W. and S.E.
26.00	Drain 30 lks. wide descends N.W.
40.00	Set stone for Temp. 1/4 sec. cor.
65.00	Ascend S.W. slope
79.45	Intersect East boundary of Tp. 50 lks. S. of cor. to Secs. 25. 30. 31. and 32. Thence S. and W. S. 89° 39' W. on a true line between Secs. 25 and 36 with same Va.
39.72	Set a sandstone 16 x 12 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
79.45	The cor. to Secs. 25. 26. 35 and 36
	Land rolling.
	Soil 3rd rate.
	Vegetation Grass.

North Between Secs. 25. 26.

Township 34 North Range 45 West

Chains	
	Va. 14° 15' E
22.00	Wagon road brs. N.W. and S.E.
30.00	Enter Bottom land brs. N.W. and S.E.
40.00	Set a sand stone 14 x 12 x 3 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18x18x12 ins. N. and S. of stone 5 lks. dist. and raised a mound of earth 1 lk. ft. high 3 lks. ft. base alongside
42.00	Drain with standing water descends N.E.
63.00	Wagon road brs. N.E. and S.W.
67.00	Wagon road brs. N.W. and S.E.
80.00	Set a sandstone 18 x 14 x 4 ins. 12 ins. in the ground for cor. to secs. 23 24. 25 and 26 marked with 2 notches on S. and 1 on E. edges. dug pits 18x18 x 12 ins. in each sec. 5 lks. ft. dist. and raised a mound of earth 2 ft. high 4 lks. ft. base alongside. Land rolling

of the 6th Principal Meridian

Chains	Soil 2nd rate Vegetation grass and weeds.
	East Ran Between Secs. 24 and 25 Va. 14° 45' E.
6.00	Leave Creek bottom brs N. and S. and ascend
19.00	Top of divide brs. N.E. and S.W.
40.00	Set a stone for Temp. 1/4 sec. cor.
79.43	Intersect E. boundary of Tp. 6 1 chs. S. of cor. to Secs. 19. 24. 25 and 30 Thence N. run N. 89° 34' W. on a true line between secs. 24 and 25 with base Va.
39.71	Set a sandstone 26 x 10 x 2 ins. 18 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face dug pits 18 x 18 x 12 ins. E. and W. of stone 5 lks. ft. dist. and raised a mound of earth 1 lk. ft. high 3 lks. ft. base alongside
79.43	The cor. to Secs. 23. 24. 25 and 26. Land rolling

Township 34 North Range 45 West

Chains	
	Soil 3rd rate
	Vegetation grass and weeds.
	North Between Secs. 33 and 24
	Va. 14° 25' E.
18.00	Enter timber brs. N.E. and S.W.
21.00	Big White clay creek 40 lks. wide runs N.E.
29.00	Big white clay creek 40 lks. wide runs S. W.
40.00	Sand stone 14 x 8 x 8 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. N. and S. of stone 5 1/2 ft. dist, and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside. On the South side Turner's Claim
42.00	Big white clay creek 45 lks. wide runs N.E.
43.00	Turner's Ranch brs. 4 Chs. west
45.00	E. cor. of stable on line, fence brs., from cor. of stable, East

of the 6th Principal Meridian.

Chains	
51.00	Fence brs. N.E. and S.W.
55.00	Leave creek. ~~xxxxx~~ bottom brs. E. and W.
74.00	Fence brs. N.W. and S.E.
80.00	Set a sandstone 18 x 15 x 3 ins. 12 ins. in the ground for cor. to Secs. 13. 14 23 and 24 marked with 6 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 level bottom
	Soil 2nd rate
	Vegetation grass. Elm along creek.
	East Raw. Between Secs. 13 and 24
	Va. 14° 45' E.
8.00	Enter creek bottom brs. N.E. and S.W.
28.00	Big white clay creek 40 lks. wide runs N. W.
30.00	Leave creek bottom brs. W. and Ascend

Township 34 North Range 45 West

Chains	
40.00	Set stone for temp. ¼ sec. cor.
64.00	Top of hill Brs. N.E. and S.W. and descend
79.96	Intersect N. and S. line 44 lks. S. of cor. to Secs. 13. 18. 19 and 24 Thence run S. 89° 41' W. on a true line between secs. 13 and 24 with same Va.
39.98	Set a sand stone 14×10×6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on North face. From which a pine 22 ins. in diam brs. S. 33° E. 50 lks. dist marked ¼ S. B. T. a pine 18 ins. in diam brs. N. 61° W. 109 lks. dist., marked ¼ S.B.T.
79.96	The cor. to Secs. 13. 14, 23 and 24

Land broken

Soil 2nd rate

Vegetation grass. Sparse Elm and Pine timber along creek

North Between Secs. 13 and 14

of the 6th Principal Meridian

Va. 14° 25' E.

Chains	
Note	Flying clouds prevented me from observing for Latitude at noon. From previous observations I am sure my compass is in perfect adjustment.
7.00	Fence brs N.E. and S.W.
13.00	Road bears N.E. and S.W.
20.00	Ascend S.E. slope.
40.00	Set a sandstone 14×12×5 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on W. face. dug pos 18×18×12 ins. N. and S. of stone 5 ft. dist.; and raised a mound of earth 1½ ft. high 3½ ft. base alongside
48.00	Top of hill bears N.E. and S.W. and descend.
68.72	Intersect South boundary of Pine ridge Reservation. 7.66 Chs W. of mile Post. No 17 and at point of Intersection set a sandstone 20×12×3 ins. 15 ins. deep. for. closing cor to fractional

Township 34 North Range 45 West

Chains	
	Secs. 13 and 14 Marked "C.C. Row" South side. dug pits 18×18×12 ins. E. W. and S. of stone 5½ ft. dist. and raised a mound of earth alongside.
	Land broken
	Soil 3rd rate
	Vegetation grass
	J. H. Fairfield Aug. 8th 1882
	North Between Secs. 34 and 35 Va 14° 20' E.
24.00	Drain 25 lks. wide descends North East and ascend.
40.00	Set a sandstone 14×10×5 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N and S of stone 5½ ft. dist, and raised a mound of earth 1½ ft. high 3½ ft. base alongside

of the 6th Principal Meridian

Chains	
60.00	Top of hill brs. N.E. and S.W. and descend
69.00	Drain 30 lks. wide descends N.E. and ascend
80.00	Set a sand stone 20×14×4 ins. 15 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 18×18×12 ins. in each Sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside
	Land rolling
	Soil 3rd rate
	Vegetation grass
	East Row Between Secs. 26 and 35 Va 14° 45' E.
40.00	Set stone for temp. ¼ Sec. cor
51.00	Euler creek bottom brs. N.E. & S.W.
56.00	Wagon road brs. N.E. and S.W.
72.00	Big white clay creek 25 lks. wide

Townships 34 North Range 45 West

Chains	
	runs. North East
78.00	Leave creek bottom brs. N. and S.
80.45	Intersect N and S. line 18 lks. N. of cor. to Secs. 25. 26, 35 and 36 Thence run N 89° 52' W. on a true line between secs 26 and 35 with same Va.
40.22	Set a sand stone 17 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. and W. of stone 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high 6 1/2 ft. base alongside.
80.45	The cor to Secs. 26. 27. 34 and 35
	Land rolling
	Soil 2nd rate
	Vegetation grass. Elm timber along creek

North Between Secs. 26 and 27
Va. 14° 20' E.

of the 6th Principal Meridian

Chains	
	Descend
3.00	Divide brs. N.E. and S.W.
36.00	Enter Valley brs. E and W.
44.00	Set a sand stone 17 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. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside
70.00	Road. bears N.E. and S.W.
72.00	Drain 30 lks. wide descends N.E.
80.00	Set a sandstone 16 x 16 x 4 ins. 11 ins. in the ground. for cor. to Secs 22. 23. 26. and 27. marked with 2 notches S. and E. edges dug pits 18 x 18 x 12 ins. in each sec 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside
	Land rolling
	Soil 2nd rate. Vegetation grass

Township 34 North Range 45 West

Chains	East Raw Between Secs. 23 and 26 Va. 14° 45' E.
26.00	Ascend N.W. Slope
40.00	Set stone for Temp. ¼ sec. cor.
43.00	Top of divide brs. N.E. and S.W. and descend
52.00	Enter creek Bottom brs. W. and S.W.
60.00	wagon road brs N.E. and S.W.
70.00	Big white clay creek 25 lks. wide runs N.E.
80.40	Intersect N and S. line 5 lks. W. of cor. to Secs. 23. 24. 25 and 26. Thence run N. 89° 58' W. on a true line between secs. 23 and 26 with same Var.
40.20	Set a sandstone 20 x 12 x 4 ins. 15 ins. in the ground for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base

of the 6th Principal Meridian

Chains	alongside
80.40	The cor. to Secs. 22. 23. 26 and 27
	Land. rolling
	Soil. 2nd rate
	Vegetation. grass and weeds

North Between Secs. 22 and 23 Va. 14° 20' E.

10.00	Ascend S.E. Slope
30.00	Top of hill brs. N.E. and S.W. and descend
40.00	Set a sandstone 16 x 10 x 4 ins. 11 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside
45.00	Drain 25 lks. wide descends North East and ascend
61.00	Top of hill brs. N.W. and S.E. and descend
74.00	Gulch 100 lks. wide descends S.E. and ascend.

Township 34 North Range 45 West of the 6th Principal Meridian

Chains	
80.00	Set a sand stone 18 x 16 x 3 ins. 12 ins. in the ground. for cor. to Secs. 14: 15. 22 and 23 marked with 3 notches S. and 2 ow E. edges. From which a pine 12 ins. in diam. bears S. 28° E. 55 lks. dist marked T. 34 R 45. S. 23 B.T. a pine 20 ins. in diam bears. S. 66° W. 68 lks dist: Marked T. 34 R 45 S. 22 B.T. a pine 8 ins. in diam brs N. 45° W. 50 lks. dist marked T. 34 R. 45 S. 15 B.T. a pine 4 ins. in diam brs N. 34° E. 98 lks. dist. marked T. 34. R 45 S. 14 B.T. Land rolling Soil 3rd rate Vegetation grass. Sparse pine timber
	East Ran Between Secs. 14 and 23 Va 14° 45' E.
	Ascend
28.00	Top of hill bears N.W. and S.E.
38.50	Wood road bears N.W. and S.E.
40.00	Set Post for Temp. 1/4 sec. cor.
48.00	Wood road brs. N.E. and S.W.
72.00	Drain 30 lks. wide descends S.E.
72.00	Wood road brs. N.W. and S.E.
74.00	Wood road brs N.E. and S.W.
79.50	Fence. brs. N.E. and S.W.
80.65	Intersect N. and S. line 10 lks. S. of cor. to Secs. 13. 14. 23 and 24 Thence I run S. 89° 56' W. on a true line between secs. 14 and 23 with same Va.
40.32	Set a Pine Post 4 ft. long 4 ins. square charred & take 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 Stake 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft base around Post
80.65	The cor. to Secs. 14. 15. 22 and 23
	Land rolling.

Township 34 North Range 45 West.

Chains	
	Soil 2nd rate
	Vegetation grass. Sparse pine timber
	North Between Secs. 14 and 15
	Va. 14° 20' E.
3.00	Ascend S. W. Slope
18.00	Top of hill bears N.W. and S.E. and descend
30.00	Drain 30 lks. wide descends S.E.
40.00	Set a Pine Post 4 ft. long 4 ins. square. Chased Stake 18 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. From which a pine 14 ins. in diams brs. S. 30° E. 46 lks. dist. Marked ¼ S.B.T. a pine 22 ins. in diam. brs S 28° W. 31 lks. dist. Marked ¼ S.B.T.
52.00	Pitch 100 lks. wide descends South East and ascend
69.15	Intersect South boundary of Pine ridge Reservation 7.15 Chs. West

of the 6th Principal Meridian

Chains	
	of mile Post No. 18 and at point of intersection set a sandstone 18 x 10
—	x 5 ins. 12 ins. deep. for closing cor. to fractional secs 14 and 15 Marked "C.C. R" on South side dug pits 18 x 18 x 12 ins. E. W. and S of Stone 5½ ft. dist. and raised a mound of earth alongside
	Land broken
	Soil 3rd rate
	Vegetation grass
	J. L. Phipps. Aug 8th 1882
	North Between Secs. 33 and 34
	Va. 14° 15' E.
30.00	Ascend South west Slope
40.00	Set a sandstone 16 x 10 x 4 ins 11 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound

Township 34 North Range 45 West

Chains	
	of earth 1½ ft. high 3½ ft. base alongside
54.00	Top of Divide bes. N. W. and S.E. descend
80.00	Set a Sandstone 18×12×3 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 18×18×12 ins. in each
	Sec. 5½ ft. dist. and raised
	mound of earth 2 ft. high 4½ ft.
	base alongside.
	Land rolling
	Soil 2nd rate
	Vegetation grass and weeds

East Run Between Secs. 27 and 34
Va. 14° 45' E.

Descend

6.00	Drain. 30 lks. wide descends N.E.
40.00	Set stone for Temp. ¼ sec. cor.

of the 6th Principal Meridian

Chains	
50.00	Drain 20 lks. wide descends N.E. and ascend.
62.00	Top of divide bes N.E. and S.W. descend.
80.18	Intersect W. and S. line 22 lks. S. of cor.
	26. 27. 34 and 35 Thence run S. 89° 51' W.
	on a true line between secs. 27 and
	34 with a mine Va.
40.09	Set a sandstone 18×8×4 ins. 12 ins.
	in the ground for ¼ sec. cor.
	marked ¼ on N. face. dug pits
	18×18×12 ins. E. and west 2 links
	5½ ft. dist., and raised a mound of
	earth 1½ ft. high 3½ ft. base
	alongside
80.18	The cor. to Secs. 27. 28. 33 and 34
	Land rolling
	Soil 2nd rate
	Vegetation grass and weeds

North Between secs. 27 and 28
Va. 14° 15' E.

Township 34 North Range 45 West

Chains	Descend
38.00	Drain 30 lks wide descends N.E. at base of ridge
89.00	Wagon road brs. N.E. and S.W.
4.00	Set a sand stone 14×12×5 ins. 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of stone 5 lks ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
57.00	Drain 30 lks. wide descends S.E.
80.00	Set a sand stone 20×10×4 ins. 15 ins. in the ground for cor. to secs. 21. 22. 27. and 28. marked with 2 notches on S. and E ow E. edges dug pits 18×18×12 ins. in each sec. 3 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside

of the 6th Principal Meridian

Chains	Land rolling
	Soil 2nd rate
	Vegetation grass and weeds
	East Ran Between Secs. 22 and 27 Va. 14° 45' E.
39.00	Wagon wood road brs. W.N. and S.E.
30.00	Pidch 125 lks. wide descends S.E.
40.00	Set stone for temp. 1/4 sec. cor.
80.05	Intersect N. and S. line 36 lks. S. of cor. to Secs. 21 22. 23. 26 and 27 Thence I run S. 89° 45' W. on a true line between secs. 22. and 27. with same Va.
40.00	Set a sand stone 16×12×3 ins. 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. E. and W. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside
80.05	The cor. to Secs. 21. 22. 27 and 28

Township 34 North Range 45 West

Chains	
	Land rolling
	Soil 2nd rate
	Vegetation. grass
	North Between Secs. 21 and 22
	Va 14° 15' E.
17.00	Gulch 130 lks. wide descend S.E.
40.00	Set a sand stone 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. and S. of stone 5½ ft. dist, and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
56.00	Ascend S.W. Slope
76.00	Top of divide brs. N.W. and S.E.
79.00	Descend N.E. Slope
80.00	Set a sand stone 24 x 14 x 5 ins. 18 ins in the ground. for cor. to Secs. 15. 16. 21 and 22 marked with 3 notches on S. and E. edges

of the 6th Principal Meridian

Chains	
	dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist, and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land rolling
	Soil 2nd rate
	Vegetation grass. sparse pine timber
	East. Ran. Between Secs. 15 and 22
	Va. 14° 45' E.
	Descend
39.00	Bottom of canon 70 ft. deep. descends North East and ascend
40.00	Set a stone for temp. 1/4 sec. cor.
56.00	Top of spur from S. and descend
68.00	Bottom of Gulch descends S.E. and ascend
80.24	Intersect N. and S. line 80 chs. S. of cor. to Secs. 14. 15. 22 and 23 Thence run S 89° 47' W. on a true line between secs. 15 and 22. with same Va.

Township 34 North Range 45 West

Chains	
40.12	Set a sandstone 20 x 8 x 4 ins. 15 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. From which a pine 24 ins. in diam. brs. S 89° E. 35 lks. dist. marked ¼ S.B.T. a pine 18 ins in diam. brs. N 40° W. 48 lks. dist. Marked ¼ S.B.T.
80.24	The cor. to Secs. 15. 16. 21 and 22 Land Mts. Soil 3rd rate Vegetation grass. Sparse pine timber 80.24 Chs. Mountainous.

North Between Secs. 15 and 16

Va. 14° 15' E.

Note. I carefully examined the adjustment of my solar compass. today. particulary the latitude and reversing apparatus. and found them correct. Also

of the 6th Principal Meridian

Chains	
	observed for latitude and found 42° 55' N. to be correct.
	Descend
2.6.00	Bottom of gulch descends N.W. and ascend over N. slope
3 8.00	Bottom of gulch descends N.W. and ascend
40.00	Set a sandstone 17 x 12 x 4 ins. 11 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18 x 18 x 12 ins. W. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft. high. 3½ ft. base alongside.
50.00	Top of spur from E. and descend
62.00	Bottom of gulch descends N.W. and ascend
69.96	Intersect South Boundary of Pine Ridge Reservation 7.45 Chs. W. of Mile Post No. 19 and at point of intersection set a sandstone.

Township 54 North Range 45 West of the 6th Principal Meridian

Chains	
	18 x 16 x 4 ins. 12 ins. deep. for closing cor. to fractional Secs. 15 and 16 Marked "C. C. R." on South side. dug pit 18 x 18 x 12 ins. E. W. and S. of stone 5½ ft. dist. and raised a mound of earth alongside.
	Land Mts. and Broken
	Soil 3rd rate
	Vegetation grass. Sparse pine Timber
69.96	Chs. Mountainous
	J. H. Fairfield Aug 9th 1882.

	North Between Secs. 32 and 33 Va. 14° 15' E.
212.00	Dry Creek 20 lks. wide descends N.E.
30.00	Drain 18 lks. wide descends S.E. and ascend
40.00	Set a sandstone 15 x 10 x 7 ins. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits

Chains	
	18 x 18 x 12 ins. N and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
68.00	Top of ridge brs. N.E. and S.W. and descend
68.00	Road bears. N.E. and S.W.
70.00	Descend N.W. Slope
80.00	Set a sandstone 14 x 10 x 6 ins. 10 ins. in the ground. for cor. to Secs. 28. 29. 32 and 33. Marked with 1 notch on S. and 4 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft base alongside.
	Land rolling
	Soil 3rd rate
	Vegetation grass. Sparse pine timber

Township 34 North Range 46 West

Chains	East Run Between Secs. 28 and 33 Va. 14° 40' E.
	Ascend
10.00	Top of ridge brs. N.E. and S.W. and descend.
216.00	Wagon road brs. N.E. and S.W.
30.00	Descend S.E. slope
40.00	Set a stone for temp. 1/4 sec. cor.
53.00	Creek 5 lks. wide runs N.E. and ascend
70.00	Top of Divide brs. W.W. and S.E.
80.62	Intersect N. and S. line 55 lks. S. of cor. to Secs. 27. 28. 33 and 34
	Thence run S. 89° 36' W. on a true line between secs. 28. and 33 with same Va.
40.31	Set a sandstone 16 x 12 x 5 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.

of the 6th Principal Meridian

Chains	
80.62	The cor. to Secs. 28. 29. 32 and 33
	Land rolling
	Soil 3rd rate
	Vegetation grass.

	North Between Secs. 28 and 29 Va. 14° 15' E.
	Descend.
12.00	Bottom of gulch descends N.E. and ascend over E. slope.
28.50	Bottom of gulch descends S.E. and ascend
39.00	Top of spur from E. and descend
40.00	Set a sandstone 14 x 10 x 7 ins. 10 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. 45° W. 28 lks. dist Marked 1/4 S.B.T. A pine 6 ins. in diam Brs. S. 18° E. 10 lks. dist: Marked 1/4 S. B.T.
61.00	Bottom of ravine descends N.E.

Township 34 North Range 45 West

Chains	
	and ascend E. slope
79.50	Bottom of gulch descends S.E. and ascend
80.00	Set a sandstone 24 x 14 x 4 ins. 18 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. 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base alongside.
	Land Mts.
	Soil 2nd rate
	Vegetation grass. sparse pine
	80. Chs. mountainous.

East Ran. Between Secs. 21 and 28
Va. 14° 40' E.

	Descend
13.00	Bottom of gulch descends S.E.

of the 6th Principal Meridian

Chains	
40.00	Set stone for temp. ¼ sec. cor.
80.55	Intersect N. and S. line 40 lks. S. of cor. to Secs. 21. 22. 27 and 28
	Thence run S. 89° 45' W. on a true line between secs. 21 and 28 with same Va.
40.27	Set a sandstone 16 x 10 x 5 ins. 11 ins. in the ground. for ¼ sec. cor. marked ¼ on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside
80.55	The cor. to Secs. 20. 21. 28 and 29
	Land rolling
	Soil 2nd rate
	Vegetation grass. sparse pine timber

North Between Secs 20 and 21
Va. 14° 15' E.

Township 34 North Range 45 West

Chains	Ascend
28.00	Top of hill bears NE. & SW. descend
33.00	Drain 20 lks. wide descends NE.
40.00	Set a sandstone 14×12×4 ins. 10 ins. in the ground. for 1/4 sec. cor. Marked 1/4 on W. face. From which a pine 5 ins. in diam brs. S. 85° E. 24 lks dist. marked 1/4 S. B.T. no other tree within limits dug a pit 18×18×12 ins. north of stone 5 lks ft. dist, and raised a mound of earth alongside.
46.00	Drain 30 lks. wide descends S.E.
80.00	Top of divide brs. S.E and S.W.
80.00	Set a sand stone 24×12×5 ins. 18 ins. in the ground for Cor. to Secs. 16 17 20 and 21 marked with 3 notches on S. and 4 on E. edges. dug pits 18×18×12 ins. in each sec. 5 lks ft. dist. and raised a mound of earth 2 ft. high

of the 6th Principal Meridian

Chains	1/2 ft. base alongside
	Land rolling
	Soil 2nd rate
	Vegetation grass. Sparse pine timber.
	E. Ran Between Secs. 16 and 21
	Va. 14° 40' E.
40.00	Set Stone for Temp. 1/4 sec. cor.
70.00	Descend N.E. Slope
80.52	Intersect N. and S. line 46 lks. S. of cor. to Secs. 15. 16. 21 and 22. Thence from S. 89° 40' W on a true line between Secs. 16 and 21 with same Va.
40.26	Set a sandstone 18×10×4 ins. 12 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face. dug pits 18×18×12 ins. E. and W. of stone 5 lks ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

Township 34 North Range 45 West

Chains	
80.52	The cor. to Secs. 16. 17. 20 and 21
	Land rolling
	Soil 2nd rate
	Vegetation grass.

North Between Secs. 16 and 17
Va. 14° 15' E.

	Descend N. slope
25.00	Bottom of ravine descends N. W. and ascend.
40.00	Set a Sandstone 18 x 12 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. From which a pine 30 ins. in diam brs. S. 35° E. 6 lks. dist. Marked 1/4 S. B. T. a pine 4 ins. in diam brs. S. 38° W. 72 lks. dist. Marked 1/4 S. B. T.
60.00	Top of ridge bears N. W. and S. E. and descend.
65.00	Bottom of ravine descends N. W. and

of the 6th Principal Meridian

Chains	
	as end
7.053	Intersect South boundary of Pine Ridge Reservation 7.53 Chs. N. of mile Post No. 20 and at point of intersection set a sandstone 16 x 15 x 4 ins. 18 ins. deep. for closing cor. to fractional secs. 16 and 17 Marked "C. 6 R." on south side. dug pits 18 x 12 ins. E. W. and S. of stone 5½ ft. dist. and raised a mound of earth alongside.
	Land rolling.
	Soil 2nd rate.
	Vegetation grass.

J. L. Dwpst. Aug 9th 1882.

North Between Secs. 31 and 32
Va. 14° 15' E.

23.00	Road bears N.E. and S.W.
30.00	Descend N. W. Slope of Bluff.
40.00	Set a Hack Berry post 4 ft. long

Township 34 North Range 45 West of the 6th Principal Meridian

Chains		Chains	
	4 ins. square. with charred stake 18 ins. in the ground. for 4 sec. Cor. marked 4 S on W. face. dug pits 18×18×12 ins. N. and S. of stake 3½ ft. dist., and raised a Mound of earth 1½ ft. high 3½ ft. base around stake.		a pine 20 ins. in diam brs. N. 72° W. 46 lks. dist. marked T. 34 R. 45 S. 30 B.T. Land rolling Soil 3rd rate Vegetation grass. & sparse pine timber.
80.00	Set a sandstone 26×14×5 ins. 18 ins. in the ground. for cor. to 8 secs. 29. 30. 31 and 32 marked with 1 notch on S. and E on E. edges. From which a pine 20 ins. in diam brs. N. 65° E. 45 lks. dist Marked T. 34 R 45 S. 29 B.T. a pine 18 ins. in diam. brs. S. 20° E. 45 lks. dist. marked T. 34 R 45 S. 32 B.T. a pine 26 ins. in diam brs. S. 32° W. 45 lks. dist. marked T 34 R 45 S 31 B.T.		E. Rau. Between secs. 29 and 32 Va. 14° 40' E.
			Descend
		6.00	Drain 20 lks. wide descends N.E. at base of Bluff.
		28.00	Drain 25 lks. wide descends N.E.
		40.00	Set Stone for Temp. ¼ sec. cor.
		63.00	Gulch 150 lks. wide descends N.E.
		80.50	Intersect N. and S line line 55 lks. S. of cor. to 8 secs. 28. 29. 32 and 33 thence I run S. 89° 36' W. on a true line between secs. 29. and 32 with same Va.

Township 34 North Range 45 West

Chains	
40.25	Set a sand stone 15×12×4 ins 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, dug pits 18×18×12 ins. E. and W. of stone 5 ft. dist, and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
80.50	The cor. to Secs. 29. 30. 31. and 32
	Land rolling & Broken
	Soil 3rd rate
	Vegetation grass. sparse pine
	J. K. Fairfield Aug 10th 1882.
	West Ran Between Secs. 30 and 31
	Va. 14° 40' E.
	Descend
9.00	Bottom of gulch descends N.E.
40.00	Set stone for Temp 1/4 sec cor.
80.12	Intersect N. boundary of Tp. 4 S Rs. E. of cor. to Secs. 25. 30. 31 and 36 Thence. Surv S. 89° 39' E.

Township 34 North Range 45 West of the 6th Principal Meridian

Chains	
	on a true line between Secs. 30 and 31 with same Va.
40.12	Set a sandstone 16×12×4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N face, dug pits 18×18×12 ins. E. and W. of stone 5½ ft. dist, and raised a mound of earth 1½ ft. high 3½ ft. base alongside
80.17	The cor. to Secs. 29. 30. 31 and 32
	Land rolling
	Soil 3rd rate
	Vegetation grass. and sparse pine.
	J. L. Gulpst. Aug 10th 1882
	North Between Secs. 29 and 30
	Va. 14° 20' E.
	Descend
1.00	Bottom of gulch 100 lks. wide Descends. N.E. and ascend over E. sloped
16.00	Bottom of gulch 150 lks. wide descends S.E. and ascend

Township 34 North Range 45 West

Chains	
36.00	Top of spur from W. and descend
40.00	Set a Pine Post 4 ft. long 4 ins. square with charred stake 18 ins. in the ground, for 1/4 sec. cor. marked 1/4 S on W. face. dug pits 18×18×12 ins. N. and 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 stake.
41.50	Bottom of gulch 100 lks. wide descends S.E. and ascend over E. slope
60.00	Bottom of cañon 60 ft. deep. descends S.E.
63.50	Bottom of cañon from N.E. descends S.E. and ascend.
80.00	Set a sandstone 20×12×4 ins. 15 ins. in the ground for cor. to Secs. 19. 20. 29 and 30 marked with 2 notches on S. and 5 on E. edges. From which a pine 16 ins. in diam. brs. N 43° E. 45 lks. dist Marked T. 34 R 45 S. 20 B.T. a pine 12 ins. in diam. brs.

of the 6th Principal Meridian

Chains	
	S. 52° E. 52 lks. dist. marked T. 34 R 45 S. 29 B.T. a pine 4 ins. in diam brs.
	S. 82° W. 84 lks. dist. marked T. 34 R 45 S. 30 B.T. a pine 15 ins. in diam. brs.
	N. 54° W. 52 lks. dist. marked T. 34 R. 45 S. 19 B.T.
	Land 80.00 Chs. Mts.
	Soil 3rd rate
	Vegetation grass. sparse pine
	80.00 Chs. Mountainous.

East Ran. Between Secs. 20 and 29
Va. 14° 40' E.

	Descend
1.25	Bottom of Cañon 25 lks. wide descends S.E. and ascend
38.00	Top of spur from N. and descend
40.00	Set stone for temp. 1/4 sec. cor.

Township 34 North Range 45 West

Chains	
6800	Bottom of gulch descends N.E.ly & ascend
80.65	Intersect N. & S. line 48 lks. S. of
	Cor. to Secs. 20. 21. 28 & 29 Thence
	I run S. 89° 39' W. on a true line
	between secs. 20 & 29 with same Va.
4032	Set a sandstone 14 x 10 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 ft. dist. & raised a mound of
	earth 1 ft. high 3 ft. base alongside.
80.65	The cor. to Secs. 19. 20. 29 & 30.
	Land rolling & Broken
	Soil 3rd rate
	Vegetation grass. sparse pine.
	J. H. Fairfield Aug 10th 1882.

West Raw. Between Secs. 19 & 30
Va. 14° 40' E.

Ascend.

4000	Set Stone for Temp. 1/4 sec. cor.

of the 6th Principal Meridian

Chains	
41.00	Top of divide bet N.E.ly & S.W.ly descend
80.58	Intersect W. boundary of Tp. 36 lks.
	S. of Cor. to Secs. 19, 24, 25 & 30
	Thence I run S. 89° 45' E. on a true
	line between secs. 19 & 30 with
	same Va.
4058	Set a sandstone 14 x 10 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 ft.
	dist. & raised a mound of earth
	1 ft. high 8 ft. base alongside
80.58	The cor. to Secs. 19. 20. 29 & 30.
	Land rolling
	Soil 2nd rate
	Vegetation grass. sparse pine
	J. L. Probst. Aug 10th 1882.

North Between Secs. 19 & 20.
Va. 14° 20' E.

Descend

Township 34 North Range 45 West

Chains	
9.00	Cross head of cañon descends S.E. and ascend.
18.00	Top of divide brs. N.E. and S.W.
23.00	Descend N. slope
40.00	Set a sandstone 14×10×7 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18×18×12 ins. N. and S. of 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 sandstone 17×14×5 ins. 11 ins. in the ground for cor. to Secs. 17. 18. 19 and 20 marked with 8 notches on S. and 5 on E. edges. dug pits 18×18×12 ins. in each sec. 5 1/2 ft. dist., and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside.

Land 18.00 mts, balance Broken
Soil 3rd rate
Vegetation grass. sparse pine

of the 6th Principal Meridian

Chains	
	80. Chs. Mountainous.
	E. Ran. Between Secs. 17 and 20
	Va. 14° 40' E.
	Descend
14.50	Bottom of gulch descends N.E. & ascend over N. slope
33.00	Gulch 100 lks. wide descends N.W. and ascend
40.00	Set Post for Temp. 1/4 sec. cor.
42.00	Top of ridge brs. N.W. and S.E. and descend
59.00	Bottom of gulch descends N.E. and ascend
80.50	Intersect N. and S. line 42 lks. S. of cor. to Secs. 16. 17. 20 and 21 Thence Trun S. 89° 42' W. on a true line between Secs. 17 and 20 with same Va.
40.25	Set a Pine Post 4 ft. long 4 ins. square with charred stake 18 ins. in the ground. for 1/4 sec. cor. marked 1/4 S. on N. face. dug pits 18×18×12 ins. E. and W. of stake 5 1/2 ft. dist and

Township 34 North Range 45 West

Chains	
	raised a mound of earth
	1½ ft. high 3½ ft. base alongside
80.50	The cor. to Secs. 17, 18, 19 and 20
	Land Mts.
	Soil 3rd rate
	Vegetation grass. Sparse pine
	80.50 Chs Mountainous.
	J. H. Fairfield Aug 10th 1882.
	West Ran. Between Secs. 18 and 19
	Va. 14°40' E.
	Descend
28.50	Bottom of gulch descends N. W. and
	ascend over N. Slope
38.50	Bottom of Ravine descends N.E.
	and ascends over N. Slope,
40.00	Set stone for Temp. ¼ sec. cor.
57.00	Bottom of ravine descends N.E. & ascend
65.00	Top of ridge brs. N. W. and S.E. & descend
80.90	Intersect W. boundary of Tp.
	64 Lks. S. of cor. to Secs. 13. 18. 19 and

of the 6th Principal Meridian

Chains	
24	Thence I run S. 89° 33' E. on a true
	line between secs. 18 and 19 with same Va.
40.90	set a sand stone 17 x 12 x 4 ins. 9 ins.
	in the ground. for ¼ sec. cor.
	marked ¼ on W. face. dug pits.
	18 x 18 x 12 ins. E. & W. of stone 5½ ft
	dist. and raised a mound of earth
	1½ ft. high 3½ ft. base alongside.
80.90	The cor. to Secs. 17. 18. 19. and 20
	Land Mts.
	Soil 2nd rate
	Vegetation grass. Sparse pine
	80.90 Chs. mountainous.
	J. T. Probst. Aug 10th 1882.
	North Between Secs. 17 and 18
	Va. 14°. 30' E.
40.00	Set a sand stone 24 x 10 x 5 ins. 15 ins.
	in the ground. for ¼ sec. cor.
	marked ¼ on W. face. dug pits
	18 x 18 x 12 ins. W. and S. of stone 5½ ft.

Township 34 North Range 45 West

Chains	
	dist. and raised a mound of earth
	1½ ft. high 3½ ft. base alongside
60.00	Ascend South East slope of hill.
78.00	Top of hill brs. N.W. and S.E. and descend.
80.00	Set a sandstone 14 x 12 x 6 ins.
	10 ins. in the ground, for cor.
	to Secs. 7. 8. 17 and 18. marked with
	4 notches on S. and E. edges.
	dug pits 18 x 18 x 12 ins. in each
	section 5½ ft. dist. and raised a
	mound of earth 2 ft. high 4½
	ft. base alongside
	Land rolling and broken.
	Soil 3rd rate.
	Vegetation grass. Sparse pine timber.

	East on a true line between Secs. 8 and 17.
	Variation 14° 30' East.
7.00	Intersect W. boundary of Pine Ridge
	Reservation 8.35 Chs. N. of Mile

of the 6th Principal Meridian

Chains	
	Post No. 21. and at point of intersection
	set a sandstone 20 x 14 x 4 ins. 15 ins.
	deep. for closing corner to fractional
	Secs. 8 and 17. marked C.C. B on the
	West side. dug pits 18 x 18 x 12 ins.
	W. N. and S. of stone 5 ft. dist..
	and raised a mound of earth
	alongside.
	Land rolling.
	Soil 3rd rate.
	Vegetion 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° 55' North.

C. H. Fairfield Aug 10th 1882.

West on a random line between Secs. 7 and 18.

Variation 14° 30' East.

Township 34 North Range 45 West

Chains	Descend
32.00	Bottom of gulch descends N.E. and ascend.
40.00	Set a post for Temp. 1/4 sec. cor.
64.00	Top of ridge brs. N.E. & S.W. and descend
81.18	Intersect W. boundary of Tp. 42 lks. S. of cor. to Secs. 7. 12. 13 and 18. Thence Imm. S. 89° 42' E. on a true line between Secs. 7 and 18 with same variation.
41.18	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. 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.
81.18	The cor. to Secs. 7. 8. 17 and 18.
	Land mountainous
	Soil 2nd and 3rd rate.
	Vegetation grass. Sparse pine timber
	81.18 Chs. mountainous J. L. Bopst Aug 10th 1882

of the 6th Principal Meridian

Chains	North Between Sections 7 and 8. Variation 14° 20' East.
	Descend.
18.00	Enter valley brs. E. and W.
40.00	Set a Sandstone 15 x 10 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. 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.
80.00	Set a Sand stone 26 x 14 x 4 ins. 18 ins. in the ground. For cor. to Secs. 5. 6. 7 and 8. marked with 5 notches on S. and E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base alongside
	Land rolling.

Township 34 North Range 45 West

Chains. Soil 2nd rate.

Vegetation grass. Sparse pine timber.

East on a true line between Secs. 5 and 8.

Variation 14° 30' East.

6.65 Intersect W. boundary of Pine Ridge Reservation. 7.80 chs N. of Mile Post. No. 22 and at point of intersection, set a sandstone 24 x 14 x 3 ins. 18 ins. deep. For closing corner to fractional Secs. 5 and 8. "Marked "C C R" on the West side. dug pits 18 x 18 x 12 ins. W. N. and S. 5½ ft. dist. and raised a mound of earth alongside.

Land rolling.

Soil 3rd rate.

Vegetation grass.

J. H. Fairfield Aug 4th 1882.

of the 6th Principal Meridian

Chains. West on a random line between secs. 6 and 7.

Variation 14° 30' East.

36.00 Woodroad brs. N. E and S. W.

40.00 Set stone for Comp. ¼ sec. cor.

52.00 Beaver Creek 15 lks. wide runs N.E.

74.00 Telegraph line from Ft. Robinson to Pine Ridge Agency brs. N.E. and S.W.

81.44 Intersect W. boundary of Tp. 53 lks. S. of Corner to Sections 1. 6. 7 and 12. Thence I run S. 89° 37' E. on a true line between Secs. 6 and 7 with same Var.

41.44 Set a sandstone 17 x 11 x 11 ins. 11 ins. in the ground. For ¼ sec. cor. marked "¼ on N. face. dug pits 18 x 18 x 12 ins. E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.

81.44 The cor. to Secs. 5. 6. 7 and 8

Township 34 North Range 45 West

Chains

Land rolling,
Soil 2nd rate,
Vegetation grass. Sparse Elm
Timber along creek.

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on a random line
North. Between Secs. 5 and 6.
Variation 14° 20' East.

26.00 Craven's Ranch brs. 2 Chs. East
29.00 Enter Creek Bottom brs. N.E. and S.W.
30.50 Craven Creek 25 lks. wide runs N.E.
32.00 Wagon Road brs. N.W. and S.E.
32.50 Craven Creek 25 lks. wide runs N.W.
40.00 Set a stone for temp. W sec. cor.
42.00 Craven Creek 25 lks. wide runs N.E.
42.00 Leave Creek Bottom brs. E. and W.
57.50 Drain 20 lks. wide descends S.E.
57.50 Wagon road brs. S.E. and W.
80.72 Intersect N. boundary of Dp.
8 lks. E. of cor. to Secs. 5. 6.
31 and 32. Thence I run,

of the 6th Principal Meridian

Chains

S 36' E. on a true line between
Secs. 5 and 6 with same Var.
40.72 Set a sandstone 18 x 10 x 4 ins. 17 ins.
in the ground. For W sec. cor. marked
W 4 on W. face. dug pits 18 x 18 x 12 ins.
N. and S. of stone 5½ ft. dist. and raised a
mound of earth 1½ ft high 3½ ft.
base along side
80.72 The cor. to Secs. 5. 6. 7 and 8.
Land rolling.
Soil 2nd rate.
Vegetation grass. Sparse Elm timber
along creek.

J. L. Propst. Aug 10th 1882.

General Description

The land in this Township is mostly rolling and the soil 1st and 2nd rate. It is well watered and in some portions there is timber of value. The vegetation consists mostly of a fine growth of grass. Where cultivated the soil is fertile and good crops are grown without irrigation. White Clay Creek flows through the Eastern portion from South to North. Nearly all the valley land is taken up by settlers, and most of it being cultivated. No Turner's Ranch and improvements are in the West ½ of the North West ¼ of Section 24 and the East ½ of the North East ¼ of Section 23. There are several other settlers in the Township. Good

building stone and timber abound and are of good quality.
The Township is made fractional by the Sioux Indian Reservation which includes a large portion of the best land and a number of Settlers Claims.

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

U. S. Surveyor Gen'l Office
Plattsmouth Nebr.

The foregoing Field Notes of the Fractional Township No 34 N of Range No 45 West of the Principal Base & Meridian in Nebraska, Executed by Joseph H Fairfield. U.S. Dept Surv under his Contract No. 7. dated June 6th 1882.- in the month of July 1882, having been carefully examined, the necessary corrections & explanations made, the said Field Notes & the Surveys thus describe are hereby approved.

Geo. W. Smith
U. S. Surveyor General

Field Notes
of
The Subdivision lines of Fractional Township 35 North, Range 45 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 11th. 1882

Tp. 35 N. R. 45 W. of 6th P. M.

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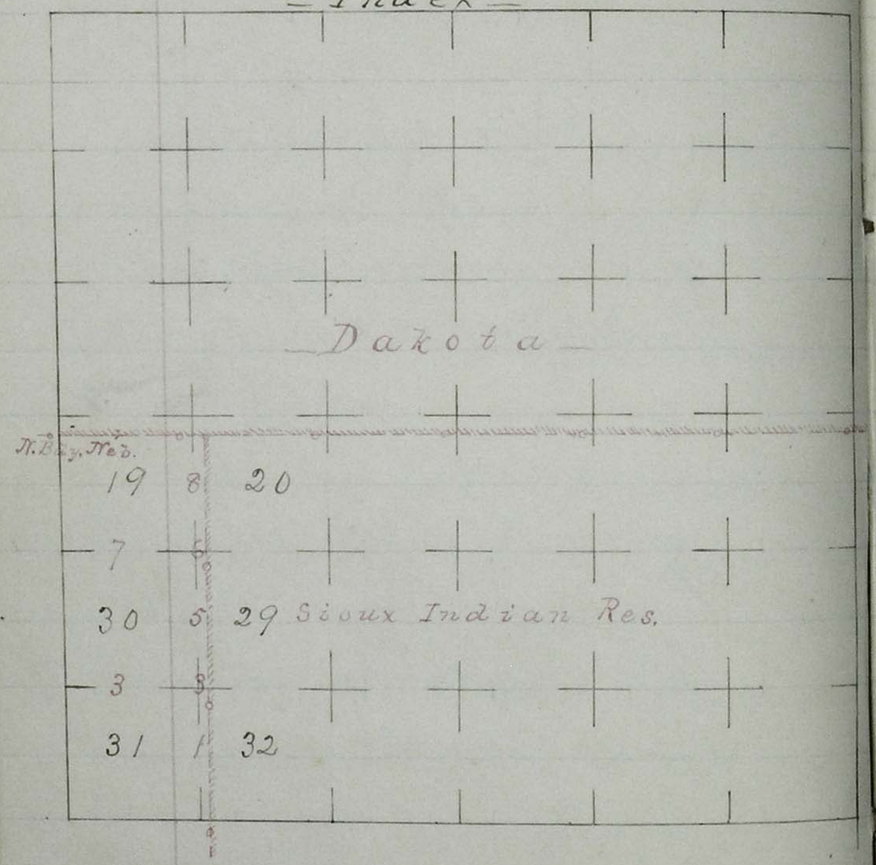

Tp. 35 N. R. 45 W. of the 6th Principal M.

Chains. 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 reversing apparatus and found it to be in perfect adjustment. I also observed for Latitude and found 42° 58' N. to be correct.

From the corner to sections 5. 6. 31 and 32. on the South boundary I run North Between Sections 31 and 32.

Variation 14° 15' East.

24.00 Draw 30 lks. wide descends S. E. and Ascend.

40.00 Set a sand stone 15×10×4 inch. 10 ins. in the ground. for ¼ sec. cor. marked ¼ on W. face. dug pits 18×18×12 ins. N. and S. of stone 5½ ft. dist. and raised a mound of

Township 35 North Range 45 West

Chains	
	earth 1½ ft. high 3½ ft. base alongside.
52.00	Top of Divide brs. N.E. and S.W.
52.00	Ft Robinson and Pine Ridge Agency Wagon road brs. N.E. and S.W.
59.00	Ft Robinson and Pine Ridge Agency Telegraph line brs. N.E. and S.W.
65.00	Gulch 160 lks. wide descends N.W.
80.00	Set a Sand stone 22 x 10 x 6 ins. 16 ins. in the ground. for cor to Secs. 29. 30. 31 and 32. marked with 1 notch on the S. and 5 on E. edges. dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base alongside.

Land rolling.
Soil 2nd rate.
Vegetation grass. Sparse pine timber.

---

of the 6th Principal Meridian

Chains	
	East on a true line between secs. 29 & 32. Variation 14° 30' East.
6.85	Intersect W. boundary of Pine Ridge Reservation 7.72 Chs. North of Mile Post No. 24. and at point of intersection set a sandstone 22 x 12 x 5 ins. 17 ins. deep for Closing Corner to fractional Sections 29 and 32. Marked "C.C. R" on the West side. dug pits 18 x 18 x 12 ins. N. S. and W. of Stone 5½ ft. dist. and raised a mound of earth alongside.

Land rolling.
Soil 2nd rate.
Vegetation grass.

West on a Random line Between Sections 30 and 31.
Variation 14° 30' East.

Township 35 North Range 45 West

Chains	
21.00	Gulch 200 lks. wide descends N.W.
32.00	Short Gulch 60 lks. wide descends N. W.
40.00	Set stone for Temp. 1/4 sec. cor.
70.00	Wash 50 lks. wide descends N.W.
80.68	Intersect W. boundary of Township 66. lks. S. of the Corner to Secs. 25. 30. 31 and 36 Thence I run S. 89°32' E. on a true line between Secs. 30 and 31 with same Va
40.68	Set a sand stone 26 x 8 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. 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
80.68	The cor. to Secs. 29. 30. 31 and 32 Land rolling. Soil 3rd rate. Vegetation grass. Sparse pine timber along gulch.

of the 6th Principal Meridian

Chains	North Between Secs. 29 and 30. Variation 14°15' East.
19.00	Drain 50 lks. wide descends N.W.
29.00	Drain 50 lks. wide descends N.W.
40.00	Set a sandstone 30 x 7 x 4 ins. 20 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face. dug pits 18 x 18 x 12 ins. W. and S. of stone 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside
41.00	Drain 25 lks. wide descends N.W.
75.00	Wagon road brs. N. E. and S. W.
80.00	Set a sand stone 17 x 12 x 6 ins. 11 ins. in the ground. for cor. to Secs. 19. 20. 29 and 30. marked with 2 notches 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

Township 35 North Range 45 West

Chains | earth 2 ft high 4 ft. base alongside.
Land rolling.
Soil 3rd rate.
Vegetation grass. Sparse pine timber along drain.

East on a true line between Sections 20 and 29.

Variation 14° 30' East.

6.58 | Intersect W. boundary of Pine Ridge Reservation 8.09 Chs. N. of Mile Post No. 25 and at point of intersection I set a sand stone 22 x 14 x 8 ins. 17 ins. deep, for Closing Corner to fractional Sections 20 and 29. marked "C. C. R." on the W. side. dug pits 18 x 18 x 12 ins. N. W. and S. of Stone 5 lks ft. dist. and raised a mound

Township 35 North Range 45 West of the 6th Principal Meridian

Chains | of earth alongside.
Land rolling.
Soil 2nd rate.
Vegetation grass.

West on a Random line between Sections 19 and 30.

Variation 14° 30' East.

40.00 | Set Stone for temp. 1/4 sec. cor.
81.11 | Intersect W. boundary of Dp. 63 lks. S. of the cor. to Secs. 19. 24. 25 and 30 thence Inw S. 89° 33' E. on a true line between Secs. 19 and 30 with same Va.
41.11 | Set a sand stone 18 x 10 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 lks ft. dist. and raised a mound of earth 1 ft. high

Townships 35 North Range 45 West

Chains	
81.11	3½ ft. base alongside The cor. to Secs. 19. 20. 29 and 30. Land rolling. Soil 3rd rate Vegetation grass.

North Between Secs. 19 and 20.
Variation 14° 15' East.

27.00	Drain 2 5 lks. wide descends S. W.
40.00	Set a sand stone 14 x 12 x 4 ins. 10 ins. in the ground. for ¼ Sec. cor. marked ¼ on W. face. Dug pits 18 x 18 x 12 ins. W. and S. of stone 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base alongside.
71.19	Intersect N. boundary of Nebraska 5. 30 Chs. E of mile Post No. 153. recently rebuilt. and at point of intersection set a Sand stone

of the 6th Principal Meridian

Chains	
	30 x 24 x 4 ins. 20 ins. deep. for Closing Corner to Frac. secs. 19 and 20 Range 45 W. Marked C.C. T 35 R 45 on the S. side. 1 notch on W. and S on E sides. dug pits 18 x 18 x 1 mins. E. W. and S. of stone 6 ft. dist. and raised a mound of earth alongside.

Land rolling.
Soil 2nd rate
Vegetation grass.

J. H. Fairfield Aug 11th 1882.

General Description

This Township is made fractional by the Sioux Indian Reservation. Which includes all the land of any value and also Mr Wilsons claims and improvements. The land is mostly 3rd rate and only fit for stock grazing.

U.S. Surveyor General's Office
Plattsmouth, Neb. 18
The foregoing Field Notes
the survey of the Subdivis
lines of fractional Townsh
No 35 N. of Range No 45 W. of
Principal Base and Meridian in
the State of Nebraska execute
by Joseph H. Fairfield U. S.
Deputy Surveyor under his
contract No. 7 dated June 6
1882, in the month of Aug. 18
having been critically exam
ed, the necessary corrections
explanations made, the said
Field Notes and the survey they
describe are hereby approved.

Geo. S. Smith
U. S. Surveyor General

General Land Office • Original Field Notes

Book Number

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

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