General Land Office • Original Field Notes

Book Number

263

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.

(66)

T.31-32 N

R.33-40 W

66.

'd Notes

of

ior Lines

of

Townships 31 and 32 North

of

Ranges 33.34.35. ~~36.37.38.~~

~~39 and 40~~ West.

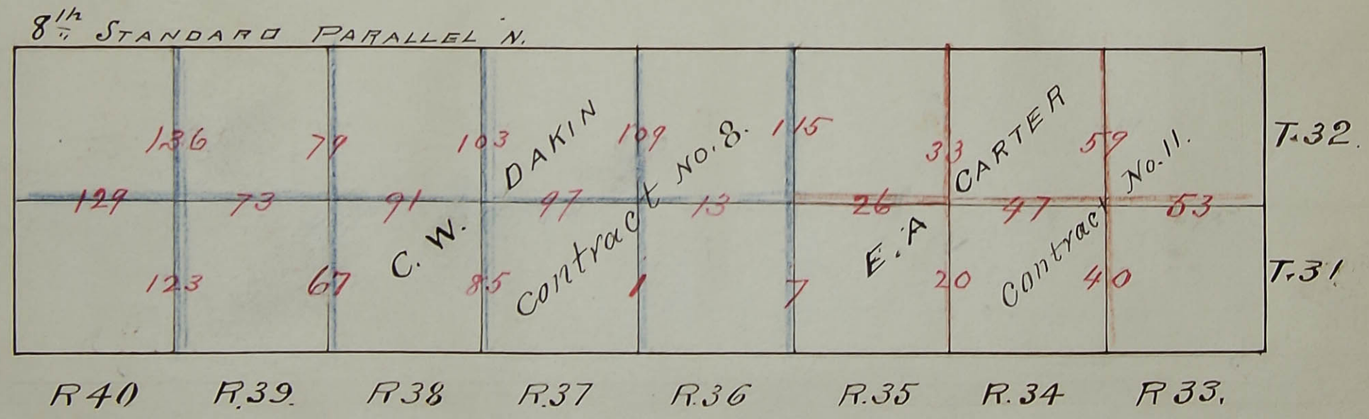
By

E. A. Carter Deputy Surveyor

under Contract No. 11

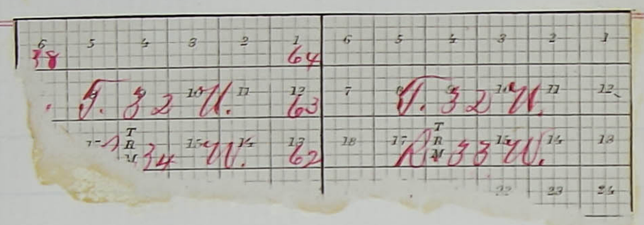
Dated July 19 1882

INDEX DIAGRAM.



R. Harvey

The above Index refers to pages in Red
All Marginal references are to pages in Red
All numbers of pages in Black are discarded



This Book was found on 10/263 before indexed —

1/223.

W. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

From the Cor. to Tps. 30 & 31 N. Rs. 36 & 37 W.
I run,

North on a true line between sections 31 and 36.

Va. 14°35' East.

Ascend.

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

26.00 Cross Wash, 50 lks. wide, Course S. E. and ascend.

40.00 Set a Sand stone 11 x 9 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Lime stone 10 x 8 x 7 ins. 7 ins. in the ground for Cor. to Secs. 25, 30, 31 & 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation Sagebrush and Bunchgrass.

W. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 35' East.

Descend.

17.00 Cross Wash, 40 lks. wide, Course W. and ascend.

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

28.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 16 x 12 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

57.00 Leave Flat bears N. E. and S. W. and ascend.

80.00 Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 63.00 chs. mountainous. and 17.00 chs. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 14° 30' East.

Descend.

19.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 12 x 10 x 6 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

47.00 Leave Flat bears E. and W. and ascend.

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

80.00 Set a Sand stone 14 x 13 x 9 ins. 9 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 28.00 chs. level. and 52.00 chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 31 N. R. 36 W. 6th P. M.

Range line, bet. 36-5

Chains.

North on a true line between sections 13 and 18.

Va. 14° 25' East.

Descend.

29.00 Enter Flat bears E. and W.

39.00 Leave Flat bears E. and W. and ascend.

40.00 Set a Sand stone 13 x 9 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level and Rolling

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 14° 35' East.

Descend.

4.00 Cross Wash, 90 lks. wide, Course S. W. and ascend.

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

39.00 Cross Wash, 50 lks. wide, Course W. and ascend.

40.00 Set a Sand stone 15 x 10 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Sand stone 13 x 9 x 6 ins. 9 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.
Va. 14° 40' East.

Descend.

5.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 10 x 9 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

44.00 Leave Flat bears E. and W. and ascend.

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

80.00 Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground, for Cor. to Tps. 31 and 32 N. R's 36 and 37 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.

39.00 chs. 41.00 chs.
Land level. and mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

Aug. 5th 1882.

E. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

From the Cor. to Tps. 30 & 31 N. Rs. 35 & 36 W., I run,

North on a true line between sections 31 and 36.
Va. 14° 50' East.

Ascend.

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

40.00 Set a Sand stone 16 x 9 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

42.00 Cross Wash, 50 lks. wide, Course S. E. and ascend.

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

80.00 Set a Sand stone 12 x 9 x 7 ins. 5 ins. in the ground for Cor. to Secs. 25, 30, 31 & 36, marked with 1 notch on S. and 5 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 55' East.

Descend.

16.00 Cross Wash, 90 lks. wide, Course W. and ascend.

40.00 Set a Sand stone 11 x 11 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

44.00 Top of Spur, bears S. 60° E. and N. 60° W. and descend.

64.00 Cross Wash, 120 lks. wide, Course S. E. and ascend.

80.00 Set a Sand stone 14 x 9 x 9 ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 14° 50' East.

Ascend.

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

29.74 Cross Wash, 84 lks. wide, Course N. 35 E. and ascend.

40.00 Set a Sand stone 11 x 10 x 5 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Sand stone 17 x 15 x 10 ins. 11 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.
Va. 15° 00′ East.

Descend.

29.20 Cross Wash, 80 lks. wide, Course S. 20° E. and ascend.

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

40.00 Set a Sand stone 16 x 12 x 8 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

42.36 Enter Flat bears N. E. and S. W.

80.00 Set a Sand stone 14 x 12 x 9 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. 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.

Carpenter's haystack, bears S. 80° E. about 20.00 chs. dist.

42.36 Chs. 37.64 Chs.
Land mountainous: and level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.
Va. 15° 00′ East.

Over level land

17.30 Leave Flat bears N. W. and S. E. and ascend.

32.00 Cross Wash, 20 lks. wide, Course S. 40° E. and ascend.

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

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

59.00 Cross Wash, 200 lks. wide, Course S. 30° E. and ascend.

80.00 Set a Sand stone 15 x 11 x 6 ins. 10 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 15° 00' East

Descend.

18.00 Cross Wash, 55 lks. wide, Course S. 80° E. and ascend.

40.00 Set a Sand stone 18 x 13 x 9 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

58.00 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 12 x 9 x 9 ins. 8 ins. in the ground, for Cor. to Tps. 31 and 32 N., R's 35 and 36 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

N. B. T. 31 N. R. 36 W. 6th P. M.

Township line

Chains.

Before proceeding further with the exteriors of this Tp. I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing. I took the latitude as found it to be 42° 41' N.

From the Cor. to Tps. 31 & 32 N., Rs. 35 & 36 W, I run West. on a random line on N. B. of Tp.

Va. 14° 35' East.

I set temporary corners at every half mile, and at 5 miles 77.51 chs. I arrive at a point 135 lks. South of Cor. to Tps, 31 & 32 N, Rs. 36 & 37 W. from which corner I run S. 89° 50' E. on a true line between sections 6 & 31.

Va. 14° 40' East.

Ascend.

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

37.51 Set a Sand stone 15 x 8 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

Dry Wash, 40 lks. wide, Course S. 30° E. and ascend.

M. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

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

59.00 Cross Wash, 40 lks. wide, Course S. 10 E. and ascend.

77.51 Set a Sand stone 9 x 17 x 13 ins. 14 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

S. 89° 50' E. on a true line between sections 5 and 32.

Va. 14° 40' East.

Ascend.

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

40.00 Set a Sand stone 16 x 13 x 10 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

54.00 Enter Flat bears N. W. and S. E.

80.00 Set a Sand stone 15 x 10 x 7 ins. 10 ins. in the ground for Cor. to Secs. 4, 5, 32 & 33, marked with 2 notches on W. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 54.00 Chs. mountainous. and 26.00 Chs. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 36 W. 6th P. M.

Chains.		
	S. 89° 50' E. on a true line between sections 4 and 33.	
	Va. 14° 30'	East.
	Over level land	
26.00	Leave Flat bears N. E. and S. W. and ascend:	
34.00	Top of Spur, bears N. E. and S. W. and descend.	
40.00	Set a Sand stone 10 x 10 x 7 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.	
59.00	Enter Flat bears E. and W.	
80.00	Set a Sand stone 19 x 17 x 15 ins. 14 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.	
	Land mountainous. 33.00 chs. and level. 47.00 chs.	
	Soil 3rd rate	
	Vegetation of Bunchgrass and Sagebrush.	

M. B. T. 31 N. R. 36 W. 6th P. M.

Chains.		
	S. 89° 50' E. on a true line between sections 3 and 34.	
	Va. 14° 30'	East.
	Over level land	
40.00	Set a Sand stone 13 x 10 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.	
61.00	Leave Flat bears N. and S. and ascend:	
74.00	Top of Ridge, bears N. and S. and descend.	
80.00	Set a Sand stone 14 x 9 x 6 ins. 9 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35 marked with 4 notches on W. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.	
	Land level. 61.00 chs. and mountainous. 19.00 chs.	
	Soil 3rd rate	
	Vegetation of Bunchgrass and Sagebrush.	

M. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

S. 89° 50' E. on a true line between sections 2 and 35.
Va. 14° 45' East.

Descend.

14.00 Enter Flat bears N. 20° W. and S. 20° E.

40.00 Set a Sand stone 10 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

63.00 Leave Flat bears W. and S. and ascend.

71.00 Top of Spur, bears W. E. and S. W. and descend.

80.00 Set a Sand stone 10 x 10 x 7 ins. 7 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
Land 49.00 chs. level. and 31.00 chs. mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 36 W. 6th P. M.

Chains.

S. 89° 50' E. on a true line between sections 1 and 36.
Va. 14° 25' East.

Descend.

4.00 Cross Wash, 150 lks. wide, Course S. 20 W. and ascend.

13.30 Top of Spur, bears N. 15° E. and S. 15° W. and descend.

29.00 Enter Flat bears N. 20° E. and S. 20° W.

40.00 Set a Sand stone 15 x 14 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

48.00 Leave Flat bears W. and S. and ascend.

63.00 Top of Spur, bears W. and S. and descend.

80.00 The Cor. to Tps. 31 & 32 N. Rs. 35 & 36 W.
Land 61.00 chs. mountainous. and 19.00 chs. level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

August 7th 1882.

E. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

Before proceeding ~~further~~ with the exteriors of this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 30 & 31 N. Rs. 34 & 35 W, I run,

North on a true line between sections 31 and 36.

Va. 14° 50' East.

Descend.

8.64 Cross Snake Creek, 150 lks. wide, Course N. 65° E. and ascend.

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

40.00 Set a Sand stone 12 x 9 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. low Sag and ascend.

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

63.00 Enter Flat bears E. and W.

72.00 Leave Flat bears E. and W. and ascend.

~~Top of Ridge, bears~~ ~~and descend.~~

E. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

80.00 Set a Sand stone 15 x 10 x 7 ins. 10 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 63.00 Chs. mountainous and 17.00 Chs. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 25 and 30.

Va. 14° 55' East.

Ascend.

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

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

80.00 Set a Sand stone 16 x 10 x 5 ins. 11 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on W. 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.

E. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 19 and 24.
Va. 14° 40′ East.

Descend.

34. 00 Cross Wash, 50 lks. wide, Course S. E. and ascend.

40. 00 Set a Sand stone 15 x 9 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

59. 00 Top of Spur, bears E. and W. and descend.

80.00 Set a Sand stone 15 x 15 x 8 ins. 10 ins. in the ground for Cor. to Secs. 18, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush

E. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.
Va. 14° 40′ East.

Descend.

22. 00 Cross Wash, 200 lks. wide, Course N. E. and ascend.

40. 00 Set a Sand stone 16 x 14 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

71. 00 Top of Spur, bears E. and W. and descend.

80.00 Set a Sand stone 12 x 12 x 10 ins. 8 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 35 W. 6th P. M.

Chains.	
	North on a true line between sections 7 and 12.
	Va. 14° 25′ East.
	Descend.
20.50	Enter Flat bears E. and W.
40.00	Set a Sand stone 19 x 16 x 14 ins., 14 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 16 x 16 x 14 ins. 11 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level. 59.50 Chs. and 20.50 Chains Mts.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 35 W. 6th P. M.

Chains.	
	North on a true line between sections 1 and 6.
	Va. 14° 30′ East.
	Over level land
26.00	Leave Flat bears E. and W. and ascend.
40.00	Set a Sand stone 15 x 10 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
48.00	Top of Hill bears S. 60° E. and N. 60° W. and descend.
74.00	Enter swamp, bears E. and W.
80.00	Set a Sand stone 24 x 20 x 16 ins. 18 ins. in the ground, for Cor. to Tps. 31 and 32 N., R's 34 and 35 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.
	Land level. and hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	August 8th 1882.

M. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 31 & 32 N., Rs. 34 & 35 W. I run West. on a random line on N. B. of Tp.

Va. 14° 40' East.

I set temporary corners at every half mile, and at 5 miles 77.00 chs. I arrive at a point 60 lks. North of Cor. to Tps, 31 & 32 N., Rs. 35 & 36 W. from which corner I run N. 89° 56' E. on a true line between sections 6 & 31.

Va. 14° 35' East.

Descend.

18.00 Enter Flat bears S. E.

37.00 Set a Sand stone 10 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

65.00 Leave Flat bears S. E. and N. W. and ascend.

M. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

77.00 Set a Sand stone 13 x 10 x 8 ins. 9 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 47.00 chs. level. and 30.00 chs. mountainous.

Soil 3rd rate

Vegetation of Bunch grass and Sagebrush.

N. 89° 56' E. on a true line between sections 5 and 32.

Va. 14° 30' East.

Ascend.

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

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

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

61.00 Enter Flat bears N. and S.

63.84 Cross Road, bears, - N. 20° E. and S. 20° W.

M. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

80.00 Set a Sand stone 12 x 12 x 6 ins. 8 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on N. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 61.00 lks. mountainous. and 19.00 lks. flat

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 4 and 33.

Va. 14° 35' East.

Over level land

8.00 Leave Flat bears W. and S. and ascend.

28.00 Top of Ridge, bears N. 20° E. and S. 20° W. and descend.

31.00 Cross Wash, 100 lks. wide, Course S. and ascend.

40.00 Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

53.20 Cross Wash, 200 lks. wide, Course N. 30° W. and ascend.

M. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

68.00 Top of Ridge, bears W. 20° W. and S. 20° E. and descend.

175.00 Cross Wash, 500 lks. wide, Course W. and ascend.

80.00 Set a Sand stone 9 x 9 x 7 ins. 6 ins. in the ground for Cor. to Secs. 3, 4, 33 & 34, marked with 3 notches on N. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 72.00 lks. mountainous. and 8.00 lks. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 3 and 34.

Va. 14° 45' East.

Ascend.

10.00 Top of Ridge, bears N. 20° W. and S. 20° E. and descend.

14.00 Cross Wash, 220 lks. wide, Course N. 20° W. and ascend.

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

36.00 Cross Wash, 120 lks. wide, Course N. 30° W. and ascend.

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

N. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

57.00 Top of Ridge, bears W. and S. and descend.

59.15 Cross Wash, 100 lks. wide, Course S. 40° E. and ascend.

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

80.00 Set a Sand stone 12 x 11 x 7 ins. 8 ins. in the ground for Cor. to Secs. 2, 3, 34 & 35, marked with 4 notches on N. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 2 and 35.

Va. 14° 45' East.

Ascend.

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

21.00 Cross Wash, 70 lks. wide, Course N. 2° W. and ascend.

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

N. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

40.50 Top of Spur, bears N. 30° W. and S. 40° W. and descend.

74.00 Cross Wash, 120 lks. wide, Course W. and ascend.

77.50 Top of Spur, bears W. and S. and descend.

80.00 Set a Sand stone 16 x 14 x 8 ins. 11 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on N. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 1 and 36.

Va. 15° 00' East.

Descend.

29.00 Cross Wash, 170 lks. wide, Course N. 36° W. and ascend.

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

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

M. B. T. 31 N. R. 35 W. 6th P. M.

Chains.

54.20 Cross Wash, 80 lks. wide, Course W. and ascend.

58.00 Top of Ridge, bears N. 20° W. and S. 20° E. and descend.

69.00 Enter Swamp, bears S. 85° E. and N. 85° W.

80.00 The Cor. to Tps. 31 & 32 N. Rs. 34 & 35 W.

Land mountainous. 69.00 chs. and 11.00 chs. Swamp.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

August 9th 1882.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

North on a true line between sections 31 and 36.

Var. 14° 40' East.

Over Swamp.

29.00 Leave Swamp, bears E. and W. and ascend.

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

42.00 Leave Flat bears E. and W. and ascend.

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

78.00 Cross Wash, 200 lks. wide, Course S. 80° E. and ascend.

80.00 Set a Sandstone 20 x 12 x 12 ins. 15 ins. in the ground for Cor. to Secs. 25, 30, 31 & 36, marked with 1 notch on S. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 42.00 chs. level. and 38.00 chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 15° 10′ East.

Ascend.

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

40.00 Set a Sand stone 8 x 8 x 8 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

48.00 Cross Wash, 250 lks. wide, Course W. and ascend.

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

80.00 Set a Sand stone 14 x 12 x 10 ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 15° 00′ East.

Descend.

37.00 Cross Wash, 120 lks. wide, Course W. and ascend.

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

63.00 Enter Flat bears E. and W.

76.00 Leave Flat bears E. and W. and ascend.

80.00 Set a Sand stone 20 x 10 x 8 ins. 15 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous 67.00 chs. and level 13.00 chs.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 13 and 18. Va. 14°55' East.
	Ascend.
20.00	Top of Ridge, bears E. and W. and descend.
40.00	Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
43.00	Cross Wash, 300 lks. wide, Course W. and ascend.
54.00	Top of Spur, bears E. and W. and descend.
77.00	Enter Flat bears E. and W.
80.00	Set a Sand stone 16 x 12 x 10 ins. 11 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land, mountainous. 74.00 Chs. and 6.00 Chs. level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 7 and 12. Va. 14°55' East.
	Over level land
17.50	Leave Flat bears E. and W. and ascend.
39.00	Top of Spur, bears E. and W. and descend.
40.00	Set a Sand stone 12 x 9 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
57.00	Cross Wash, 200 lks. wide, Course E. and ascend.
61.00	Top of Spur, bears N. 70° W. and S. 70° E. and descend.
80.00	Set a Sand stone 17 x 10 x 6 ins. 14 ins. in the ground for Cor. to Secs. 1, 6, 7 & 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land, mountainous. 62.50 Chs. and 17.50 chains level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 14° 50' East.

Descend.

7.00 Cross Wash, 50 lks. wide, Course W. and ascend.

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

40.00 Set a Sand stone 15 x 9 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

48.50 Cross Wash, 200 lks. wide, Course N. W. and ascend.

72.64 Intersect the 8th Standard Parallel North at a point 24.47 chs. West. of the Standard Cor. to Secs. 31 and 32, T. 33 N. R. 34 W. at which point I.

Set a post 4½ ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 34 and 35 W., marked C. C. T. 32 N. on S., R. 34 W., S. 6, on E. and R. 35 W. S. 1, on W. faces with 6 notches on S., E. & W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line, S., E. & W. of post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base, around post.

W. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

Land mountainous.

Soil Good rate

Vegetation of Bunchgrass and Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

August 10th 1882.

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 30 & 31 N. Rs. 33 & 34 W. I run,

North on a true line between sections 31 and 36

Va. 15° 00' East.

Ascend.

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

30.00 Cross Wash, 200 lks. wide, Course S. 40 W. and ascend.

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

40.00 Set a Sand stone 15 x 10 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in low Sag and ascend.

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

78.00 Enter Flat bears N. W. and S. E.

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

80.00 Set a Sand stone 18 x 14 x 5 ins. 12 ins. in the ground for Cor. to Secs. 25, 30, 31 & 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 25 and 30.

Va. 15° 00' East

Over level land

21.00 Leave Flat bears E. and W. and ascend.

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

37.00 Cross Wash, 100 lks. wide, Course E. and ascend.

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

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

71.50 Cross Wash, 200 lks. wide, Course S. 30 E. and ascend.

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

80.00 Set a Sand stone 14 x 12 x 12 ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. 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.

59. 9.00 Chs. Land mountainous. and 21.00 Chs. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 19 and 24.

Va. 14° 50' East.

Ascend.

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

15.00 Enter Flat bears E. and W.

27.00 Leave Flat bears E. and W. and ascend.

40.00 Set a Sand stone 12 x 9 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

56.00 Cross Wash, 150 lks. wide, Course N and ascend.

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

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

77.50 Cross Wash, 30 lks. wide, Course E. and ascend.

80.00 Set a Sand stone 19 x 13 x 10 ins. 14 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N. 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.

68.00 Chs. Land mountainous. and 12.00 Chs. level

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 13 and 18.

Va. 14° 55' East.

Ascend.

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

30.00 Cross Wash, 135 lks. wide, Course S. 35° W. and ascend.

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

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

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

49.00 Cross Wash, 100 lks. wide, Course W. and ascend.

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

80.00 Set a Sand stone 13 x 13 x 9 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 7 and 12.

Va. 14° 55' East.

Descend.

3.80 Enter Flat bears E. and W.

13.00 Leave Flat bears E. and W. and ascend.

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

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

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

41.00 Cross Wash, 120 lks. wide, Course S. 30° E. and ascend.

56.60 Top of Ridge, bears W. E. and S. W. and descend.

78.40 Enter Flat bears E. and W.

80.00 Set a Sand stone 15 x 10 x 9 ins. 10 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous. 69.20 chs. and 10.80 chs. level

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 1 and 6.

Va. 14° 55' East.

Over level land

4.00 Leave Flat bears N. 80° E. and S. 80° W. and ascend.

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

40.00 Set a Sand stone 15 x 9 x 5 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. No Wash, 50 lks. wide, Course E. and ascend.

E. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

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

67.00 Enter Flat bears E. and W.

78.50 Leave Flat bears E. and W. and ascend:

80.00 Set a Sandstone 14 x 10 x 10 ins. 9 ins. in the ground, for Cor. to Tps. 31 and 32 N. R's 33 and 34 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.

Land mountainous. 64.50 chs and 15.50 chs. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

August 11th 1882.

N. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp. I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 31 & 32 N, Rs. 33 & 34 W. I run West. on a random line on N. B. of Tp.

Va. 14° 55' East.

I set temporary corners at every half mile, and at 5 miles 76.34 chs. I arrive at a point 2.80 lks. South of Cor. to Tps, 31 & 32 N, Rs. 34 & 35 W. from which corner I run S. 89° 40' E. on a true line between sections 6 & 31.

Va. 14° 40' East.

Over Swamp.

18.20 Leave Swamp, bears N. E. & S. W. and ascend:

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

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

M. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

47.00 Cross Wash, 20 lks. wide, Course S. 30° W. and ascend.

53.00 Top of Ridge, bears W. and S. and descend.

67.00 Enter Flat bears W. and S.

76.34 Set a Sand stone 18 x 14 x 10 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous. 48.80 chs. and 27.54 chs. level

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

S. 89° 40' E. on a true line between sections 5 and 32.

Va. 14° 20' East.

Over level land

17.00 Leave Flat bears W. and S. and ascend.

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

40.00 Set a Sand stone 13 x 9 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

M. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

46.00 Enter Flat bears W. 70° W. and S. 70° E.

80.00 Set a Sand stone 16 x 16 x 10 ins. 11 ins. in the ground for Cor. to Secs. 4, 5, 32 & 33, marked with 2 notches on W. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous. 29.00 chs. and 51.00 chs. level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

S. 89° 40' E. on a true line between sections 4 and 33.

Va. 14° 30' East.

Over level land

17.00 Leave Flat bears W. and S. and ascend.

40.00 Set a Sand stone 13 x 9 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

52.00 Enter Flat bears W. W. and S. E.

M. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

80.00 Set a Sand stone 14 x 12 x 10 ins. 9 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
35.00 chs. 45.00 chs.
Land mountainous. and level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 40' E. on a true line between sections 3 and 34.
Va. 14° 30' East.

Over level land

7.00 Leave Flat bears N. W. and S. E. and ascend.

28.00 Top of Spur, bears W. and S. and descend.

40.00 Set a Sand stone 12 x 9 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

53.00 Enter Flat bears W. and S.

80.00 Set a Sand stone 19 x 14 x 5 ins. 14 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W. and 2 notches on E. edges, dug pits

M. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
46.00 chs. 34.00 chs.
Land mountainous. and level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 40' E. on a true line between sections 2 and 35.
Va. 14° 25' East.

Over level land

36.00 Leave Flat bears W. W. and S. E. and ascend.

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

50.00 Enter Flat bears N. 80° W.

80.00 Set a Sand stone 18 x 12 x 12 ins. 12 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
14.00 66.00
Land mountainous and level. Soil 3rd rate.
Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 34 W. 6th P. M.

Chains.

S. 89° 40' E. on a true line between sections 1 and 36.

Va. 14° 35' East.

30.00 Leave Flat bears N. W. and S. E. and ascend.

40.00 Set a Sand stone 14 x 8 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

60.00 Enter Flat bears N. 85° E. and S. 85° W.

80.00 The Cor. to Tps. 31 & 32 N. Rs. 33 & 34 W.

Land 50.00 lks. level. and 30.00 lks. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

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

Chains.

From the Cor. to Tps. 31 & 32 N, Rs. 33 & 34 W, I run East. on a random line on N. B. of Tp.

Va. 14° 55' East.

I set temporary corners at every half mile, and at 5 miles 76.10 chs. I arrive at a point 282 lks. North of Cor. to Tps, 31 & 32 N, Rs. 32 & 33 W. from which corner I run N. 89° 42' W. on a true line between sections 1 & 36.

Va. 14° 40' East.

Descend.

13.75 Cross Road, bears, N. 15° E.

21.00 Cross Wash, 600 lks. wide, Course N. and ascend.

40.00 Set a Sand stone 13 x 8 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

57.00 Cross Wash, 75 lks. wide, Course N. and ascend.

80.00 Set a Sand stone 13 x 9 x 5 ins. 9 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

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

Chains.

73.25 lks. and 6.75 chains level

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 42' W. on a true line between sections 2 and 35.

Va. 14° 40' East.

Ascend.

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

40.00 Set a Sand stone 12 x 7 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on M. face, dug pits, 18 x 18 x 12 ins., M. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.00 Set a Sand stone 13 x 8 x 6 ins. 9 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

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

Chains.

N. 89° 42' W. on a true line between sections 3 and 34.

Va. 14° 35' East.

Descend.

40.00 Set a Sand stone 13 x 12 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on M. face, dug pits, 18 x 18 x 12 ins., M. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in low Sag and ascend.

68.00 Top of Spur, bears N. 15° E. and S. 15° W. and descend.

80.00 Set a Sand stone 16 x 14 x 10 ins. 11 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush

August 12th 1882.

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

Chains.

N. 89° 42' W. on a true line between sections 4 and 33.

Va. 14° 00' East.

Descend.

19.00 Enter Flat bears N. and S.

35.00 Leave Flat bears N. E. and S. W. and ascend:

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

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

65.00 Enter Flat bears N. and S.

80.00 Set a Sand stone 15 x 8 x 8 ins. 10 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level. and Hilly.

Soil 1st rate

Vegetation of Bunchgrass and Sagebrush.

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

Chains.

N. 89° 42' W. on a true line between sections 5 and 32.

Va. 15° 00' East.

Descend.

20.00 Enter Flat bears N. and S.

40.00 Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.00 Set a Sand stone 16 x 10 x 10 ins. 11 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling. and level

Soil 1st rate

Vegetation of Bunchgrass.

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

Chains.	
	N. 89° 42' W. on a true line between sections 6 and 31.
	Va. 15° 05' East.
	Ascend.
40.00	Set a Sand stone 13 x 12 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
76.10	The Cor. to Tps. 31 & 32 N. Rs. 33 & 34 W.
	Land rolling.
	Soil 1st rate
	Vegetation of Bunchgrass.

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 31 and 36.
	Va. 14° 55' East.
	Over level land
7.50	Leave Flat bears E. and W. and ascend.
27.00	Top of Spur, bears N. 70° W. and S. 70° E. and descend.
40.00	Set a Sand stone 15 x 8 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
42.00	Cross Wash, 150 lks. wide, Course W. and ascend.
53.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 13 x 13 x 8 ins. 9 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised mound of earth 2 ft. high 4½ ft. base.
	Land mountainous. 72.50 Chs. and 7.50 Chains level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 25 and 30.
	Va. 14° 35' East.
	Descend.
39.90	Cross Wash, 150 lks. wide, Course N. 75° E and ascend.
40.00	Set a Sandstone 10 x 9 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
64.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 12 x 12 x 8 ins. 8 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 19 and 24.
	Va. 14° 35' East.
	Descend.
33.00	Cross Wash, 100 lks. wide, Course E. and ascend.
40.00	Set a Sandstone 10 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
72.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 16 x 12 x 8 ins. 11 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 13 and 18
	Va. 14° 35' East.
	Descend.
3.00	Cross Wash, 150 lks. wide, Course E. and ascend.
10.50	Top of Spur, bears N. 80° W. and S. 80° E. and descend.
40.00	Set a Sandstone 10 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in low Sag.
57.00	Top of Spur, bears E. and W.
80.00	Set a Sandstone 14 x 10 x 8 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.	
	North on a true line between sections 7 and 12.
	Va. 14° 30' East.
	Ascend.
10.00	Top of Spur, bears N. 30° W. and S. 30° E. and descend.
40.00	Set a Sandstone 10 x 8 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. in low Sag and ascend.
50.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sandstone 14 x 12 x 8 ins. 9 ins. in the ground for Cor. to Secs. 1, 6, 7 & 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 14° 25' East.

Ascend.

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

7.00 Cross Wash, 200 lks. wide, Course N. W. and ascend.

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

40.00 Set a Sand stone 14 x 12 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. low Sag and ascend.

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

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

76.55 Intersect the 8th Standard Parallel North at a point 26.69 chs. West. of the Standard Cor. to Secs. 31 and 32. T. 33 N. R. 33 W. at which point I.

Set a post 4½ ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 33 and 34 W. marked C. C. T. 32 N. on S., R. 33 W. S. 6, on E. and R. 34 W S. 1, on W. faces with 6 notches on S., E. & W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line,

E. B. T. 32 N. R. 34 W. 6th P. M.

Chains.

S., E. & W. of post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base. around post.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

August 14th 1882.

U. S. Surveyor General's Office
Plattsmouth Neb.
1883

The foregoing field notes of the ~~Survey~~ Retracement of Exterior lines of Twps. 31 N. Ranges 33. 34. 35 & 36 W and Twps. 32 N. Ranges 33 & 34 W, and the Survey of the Exterior lines of Twps. 31 N. Ranges 33. 34. 35 & 36 W, and Twps. 32 N. Ranges 33 & 34 W. all being North of the Principal Base Line, and west of the 6th P. Min Nebraska Executed by E. M. Carter U. S. Deputy Surveyor under his contract No. 11. and dated July 19. 1882. during the month of August 1882. having been critically examined and the necessary corrections and explanations made, the said field notes and the retracements and surveys they describe are hereby approved

D. O. Stephenson
U. S. Surveyor General

Field Notes
of
Exterior Lines of
Townships 31 and 32 North
of
Ranges 36. 37. 38. 39 and 40 West

By
D. W. Dakin Deputy Surveyor
Under Contract No 8
dated February 2d 1882

E. B. T. 31 N. R. 39 W. 6th P. M.

Chains

Before proceding further with the exterior of this Township. I made a change of 16 minutes in the latitude are of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

Copied from page 257 ~~122~~ Vol. 263

From the Cor to Tps 30 and 31 N. Rs 38 and 39 W. I run

North on a true line between Secs 31 & 36

Va. 15° 00' E.

Over Level Land

7.50 Foot of Hill. bears E & W and ascend

33.00 Top of Hill bears E and W and descend.

40.00 Set a sandstone 12 x 12 x 8 ins 8 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W. face dug pits 18 x 18 x 12 ins E. and W. of stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base.

67.00 Enter dry Lake bears N. 20° E. & S. 20° W.

70.00 Leave dry Lake bears E & W. and ascend.

80.00 Set a sandstone 14 x 9 x 9 ins. 9 ins in the ground for Cor. to Secs 25. 30. 31 and 36 marked with 1 notch & 5 notches on E edges dug pits

E. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass & Sagebrush.

North on a true line between sections 25 & 30.

Va. 15° 00' East

Ascend.

40.00 Set a Sand stone 16 x 9 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

60.00 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 14 x 14 x 7 ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land hilly

Soil 3rd rate

Vegetation of Bunchgrass & Sagebrush.

E. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 14° 55' East.

Descend.

37.20 Cross Wash, 100 lks. wide, Course E.

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

71.50 Cross Wash, 100 lks. wide, Course N. 10° E. and ascend.

80.00 Set a Sandstone 9 x 9 x 5 ins. 6 ins. in the ground for Cor. to Secs. 18, 13, 19 & 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.

Va. 15° 15' East.

Ascend.

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

10.00 Enter Flat bears E. and W.

40.00 Set a Sandstone 9 x 9 x 7 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

70.00 Leave Flat bears E. and W. and ascend.

80.00 Set a Sandstone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 15° 30' East.

Ascend.

33.00 Top of Hill bears N. W. and S. E. and descend.

40.00 Set a Sandstone 11 x 9 x 9 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

59.65 Cross Wash, 250 lks. wide, Course N. 70° W. and ascend.

80.00 Set a Sandstone 13 x 11 x 4 ins. 9 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land hilly

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush,

E. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 15° 10' East.

Ascend.

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

36.20 Cross Wash, 20 lks. wide, Course N. W. and ascend.

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

41.00 Top of Hill bears N. W. and S. E. and descend.

60.00 Cross Wash, 100 lks. wide, Course E. and ascend.

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

80.00 Set a Sandstone 14 x 12 x 12 ins. 9 ins. in the ground, for Cor. to Tps. 31 and 32 N., R's 38 and 39 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush,

Aug. 31st 1882

M. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 31 & 62 N, Rs. 38 & 39 W, I run West. on a random line on N. B. of Tp.

Va. 15° 15' East.

I set temporary corners at every half mile, and at 5 miles 75.57 chs. I arrive at a point 54 lks. North of Cor. to Tps, 31 & 62 N, Rs. 39 & 40 W. from which corner I run N. 89° 56' E. on a true line between sections 6 & 31.

Va. 15° 50' East.

Descend.

14.00 Cross Wash, 100 lks. wide, Course N. and ascend.

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

24.80 Cross Wash, 100 lks. wide, Course N. and ascend.

35.57 Set a Sand stone 13 x 10 x 10 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

M. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

75.57 Set a Sand stone 15 x 11 x 8 ins. 10 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32 marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land Broken

Soil Good rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 5 and 32.

Va. 15° 50' East.

Descend.

5.60 Cross Wash, 300 lks. wide, Course N. and ascend.

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

25.00 Cross Wash, 300 lks. wide, Course N. and ascend.

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

40.00 Set a Sand stone 15 x 10 x 7 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

60.00 Cross Wash, 100 lks. wide, Course N. and ascend.

M. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

80.00 Set a Sand stone 14 x 8 x 8 ins. 9 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 4 and 33.

Va. 15° 30' East.

Ascend.

8.00 Top of Spur, bears N. 10° W. and S. 10° E. and descend.

19.00 Cross Wash, 150 lks. wide, Course N. and ascend.

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

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

80.00 Set a Sand stone 16 x 13 x 5 ins. 11 ins. in the ground for Cor. to Secs. 3, 4, 33 & 34, marked with 3 notches on W and 3 notches on E. edges, dug pits

M. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

N. 89° 56' E. on a true line between sections 3 and 34.

Va. 15° 25' East.

Descend.

16.00 Cross Wash, 190 lks. wide, Course N. and ascend.

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

40.00 Set a Sand stone 15 x 10 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

47.00 Cross Wash, 450 lks. wide, Course N. 20° W. and ascend.

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

80.00 Set a Sand stone 10 x 8 x 8 ins. 7 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

M. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

N. 89°06' E. on a true line between sections 2 and 35.
Va. 15°35' East.

Descend.

3.50 Cross Wash, 200 lks. wide, Course N. 15° E. and ascend.
20.00 Top of Spur, bears N. and S. and descend.
40.00 Set a Sand stone 15 x 10 x 7 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
45.00 Cross Wash, 100 lks. wide, Course N. and ascend.
49.50 Top of Spur, bears N. and S. and descend.
60.00 Cross Wash, 120 lks. wide, Course N. 25° W. and ascend.
77.00 Top of Spur, bears N. W. and S. E. and descend.
80.00 Set a Sand stone 9 x 9 x 5 ins. 6 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with S notches on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

M. B. T. 31 N. R. 39 W. 6th P. M.

Chains.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

N. 89°06' E. on a true line between sections 1 and 36.
Va. 15°30' East.

Descend.

24.00 Cross Wash, 250 lks. wide, Course N. and ascend.
30.50 Top of Spur, bears N. 10° E. and S. 10° W. and descend.
40.00 Set a Sand stone 15 x 14 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
45.00 Cross Wash, 80 lks. wide, Course N. E. and ascend.
51.25 Top of Spur, bears N. and S. and descend.
60.00 Cross Wash, 70 lks. wide, Course N. 25° W. and ascend.
70.20 Top of Spur, bears N. 15° W. and S. 15° E. and descend.
80.00 The Cor. to Tps. 31 & 32 N. Rs. 38 & 39 W.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 31 and 36.

Va. 15° 15' East.

Ascend.

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

37.00 Cross Wash, 100 lks. wide, Course W. and ascend.

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

59.00 Top of Spur, bears N. 20° E. and S. 20° W. and descend.

80.00 Set a Sandstone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 55' East.

Descend.

5.00 Cross Wash, 30 lks. wide, Course E. and ascend.

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

29.00 Cross Wash, 60 lks. wide, Course N. E. and ascend.

40.00 Set a Sandstone 11 x 11 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

52.00 Top of Spur, bears N. 20° W. and S. 20° E. and descend.

54.00 Foot of Spur bears E. and W. and into Table Land (Mesa.)

80.00 Set a Sandstone 10 x 8 x 8 ins. 7 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. 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.

54.00 Chs. and 26.00 Chs. level

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 19 & 24.

Va. 14° 00' East.

Over level land

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

80.00 Set a Lime stone 11 x 14 x 8 ins. 9 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 13 & 18.

Va. 14° 00' East.

Over level land

40.00 Set a Sand stone 16 x 12 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

58.00 Cross Road, bears, N. 80° E. and S. 80° W.

80.00 Set a Sand stone 13 x 10 x 7 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 15° 00' East.

Descend.

15.00 Leave Table land (Mesa) and descend river bank.

31.00 Cross Niobrara River, 100 lks. wide, Course N. 65° E. and ascend.

37.00 Top of River bank, course N. 60° E.

40.00 Set a Sandstone 12 x 10 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

41.00 Cross Wash, 25 lks. wide, Course S. 30° W. and ascend.

80.00 Set a Lime stone 15 x 13 x 7 ins. 10 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous. 61.00 chs. and 19.00 chs. level

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 39 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 15° 00' East.

Ascend.

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

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

56.62 Intersect the 8th Standard Parallel North at a point 11.96 chs. West of the Standard Cor. to Secs. 31 and 32, T. 33 N. R. 38 W. at which point I.

Set a post 4¼ ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 38 and 39 W. marked C. C. T. 32 N. on S., R. 38 W. S. 6, on E. and R. 39 W S. 1, on W. faces with 6 notches on S., E. and W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line, S., E. & W. of post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base, around post.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Sept. 1st 1882.

E. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 30 & 31 N. Rs. 37 & 38 W. I run,

North on a true line between sections 31 and 36.

Va. 14° 38' East.

Descend.

7.00 *Cross Wash, 100 lks. wide, Course E. and ascend.*

40.00 *Set a Sand stone 10 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*

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

74.00 *Cross Wash, 50 lks. wide, Course E. and ascend.*

80.00 *Set a Sand stone 16 x 16 x 13 ins. 11 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. 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.*

E. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

North on a true line between sections 25 and 36.

Va. 14° 38' East.

Ascend.

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

40.00 *Set a Sand stone 15 x 14 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*

48.00 *Cross Wash, 60 lks. wide, Course S. E. and ascend.*

76.00 *Top of Spur, bears E. and W. and descend.*

80.00 *Set a Sand stone 12 x 12 x 10 ins. 8 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.*

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 14° 25' East.

Descend.

23.00 Enter Flat bears N. W. and S. E.

36.00 Leave Flat bears N. W. and S. E. and ascend:

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

40.00 Set a Sand stone 15 x 9 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

53.00 Cross Wash, 60 lks. wide, Course S. E. and ascend.

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

80.00 Set a Sand stone 16 x 13 x 9 ins. 11 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 67.00 chs. mountainous. and 13.00 chs. flat

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.

Va. 14° 30' East.

7.50 Enter Flat bears N. W. and S. E.

27.00 Leave Flat bears N. W. and S. E. and ascend:

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

40.00 Set a Sand stone 11 x 9 x 7 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

45.00 Cross Wash, 80 lks. wide, Course S. E. and ascend.

65.00 Top of Spur, bears N. 20° E. and S. 20° W. and descend.

80.00 Set a Sand stone 14 x 10 x 6 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 60.50 chs. mountainous. and 19.50 chs. flat

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 15° 00' East.

Descend.

10.00 Enter Flat bears N. W. and S. E.

40.00 Set a Sand stone 15 x 10 x 7 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

58.00 Leave Flat bears E. and W. and ascend;

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

79.00 Enter Flat bears S. E. and W.

80.00 Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 49.00 chs. level. and 31.00 chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 15° 00' East.

Over level land

9.00 Leave Flat bears N. W. and S. E. and ascend:

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

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

47.60 Cross Wash, 80 lks. wide, Course W. and ascend.

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

80.00 Set a Sand stone 11 x 9 x 6 ins. 7 ins. in the ground, for Cor. to Tps. 31 and 32 N. R's 37 and 38 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.

Land 71.00 chs. mountainous. and 9.00 chs. flat

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Sept. 2nd 1882.

M. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp., I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

From the Cor. to Tps. 31 & 32 N, Rs. 37 & 38 W; I run West. on a random line on N. B. of Tp.

Va. 15° 00' East.

I set temporary corners at every half mile, and at 6 miles 0.50 chs. I arrive at a point 175 lks. South of Cor. to Tps, 31 & 32 N, Rs. 38 & 39 W. from which corner I run S. 89° 46' E. on a true line between sections 6 & 31,

Va. 15° 15' East.

Ascend.

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

32.00 Cross Wash, 90 lks. wide, Course N.E. and ascend.

40.50 Set a Sand stone 12 x 9 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

44.00 Cross Road, bears, N. and S.

M. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

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

80.50 Set a Sand stone 14 x 10 x 6 ins. 9 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil poor rate

Vegetation of Bunchgrass and Sagebrush

S. 89° 46' E. on a true line between sections 5 and 32,

Va. 15° 15' East.

Descend.

15.00 Cross Wash, 60 lks. wide, Course N. 20° E and ascend.

40.00 Set a Sand stone 16 x 14 x 8 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base, Top of Spur, bears N. 60° W. and S. 60° E. and descend.

55.00 Cross Wash, 80 lks. wide, Course S. 20° E. and ascend.

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

80.00 Set a Sand stone 9 x 9 x 6 ins. 6 ins. in the ground for Cor. to Secs. 4, 5, 32 & 33, marked

M. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

with 2 notches on W and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 46' E. on a true line between sections 4 and 33.

Va. 15° 25' East.

Descend.

34.00 Cross Wash, 60 lks. wide, Course N. and ascend.

40.00 Set a Sandstone 19 x 12 x 6 ins., 14 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

72.00 Enter Flat bears N. E. and S. W.

80.00 Set a Sandstone 16 x 11 x 8 ins. 11 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

M. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

72.00 chs.
Land mountainous. and 8.00 chains level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 87° 46' E. on a true line between sections 3 and 34.

Va. 15° 00' East.

Over level land

14.00 Leave Flat bears N. E. and S. W. and ascend.

25.00 Top of Spur, bears ~~S.~~ N. and ~~N.~~ S. and descend.

40.00 Set a Sandstone 13 x 10 x 4 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

47.00 Cross Wash, 60 lks. wide, Course S. and ascend.

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

80.00 Set a Sandstone 17 x 14 x 12 ins. 14 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

M. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

66.00 lks.
Land mountainous. and 14.00 Chains level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 46' E. on a true line between sections 2 and 35.

Va. 15° 00' East.

Descend.

24.00 Cross Wash, 80 lks. wide, Course N. and ascend.

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

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

80.00 Set a Lime stone 15 x 12 x 10 ins. 10 ins. in the ground for Cor. to Secs. 1, 2, 35 & 36, marked with 5 notches on W and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 38 W. 6th P. M.

Chains.

S. 89° 46' E. on a true line between sections 1 and 36.

Va. 15° 00' East.

Descend.

2.00 Enter Flat bears N. W. and S. E.

26.00 Leave Flat bears N. W. and S. E. and ascend.

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

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

80.00 The Cor. to Tps. 31 & 32 N. Rs. 37 & 38 W.

24.00 lks. 56.00 lks.
Land level. and mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 37 W. 6th P. M.

Chains.

From the Cor. to Tps. 31 & 32 N, Rs. 37 & 38 W.
I run East. on a random line on N. B. of Tp.

Va. 18° 00' East.

I set temporary corners at every half mile, and at 6 miles 1,47 chs. I arrive at a point 12 4 lks. South of Cor. to Tps, 31 & 32 N, Rs. 36 & 37 W. from which corner I run S. 89° 51' W. on a true line between sections 1 & 36.

Va. 14° 50' East.

Ascend.

24.00 Top of Spur, bears N. 20° W. and S. 20° E. and descend.

37.00 Cross Wash, 50 lks. wide, Course N. and ascend.

40.00 Set a Sandstone 12 x 8 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base, on

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

43.50 Cross Wash, 100 lks. wide, Course N. and ascend.

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

61.00 Cross Wash, 40 lks. wide, Course N and ascend.

80.00 Set a Lime stone 16 x 13 x 5 ins. 11 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W and 1 notch on E. edges, dug pits

M. B. T. 31 N. R. 37 W. 6th P. M.

Chains.

18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 51' W. on a true line between sections 2 and 35.

Va. 14° 50' East.

Ascend.

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

13.00 Enter Flat bears N. W. and S. E.

40.00 Set a Sand stone 10 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

74.00 Leave Flat bears N. W. and S. E. and ascend.

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

79.00 Enter Flat bears N. W. and S. E.

80.00 Set a Sand stone 14 x 10 x 6 ins. 9 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W and 2 notches on E. edges, dug pits

M. B. T. 31 N. R. 37 W. 6th P. M.

Chains.

18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

18.00 chs. 62.00 chs.
Land mountainous. and level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 51' W. on a true line between sections 3 and 34.

Va. 15° 55' East.

Over level land

14.00 Leave Flat bears N. W. and S. E. and ascend.

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

40.00 Set a Sand stone 10 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

48.00 Enter Flat bears N. E. and S. W.

80.00 Set a Sand stone 14 x 12 x 8 ins. 9 ins. in the ground for Cor. to Secs. 3, 4, 33 & 34, marked with 3 notches on W and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

M. B. T. 31 N. R. 37 W. 6th P. M.

Chains.

34.00 chs. and 46.00 chs. flat.
Land mountainous.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

S. 89° 51' W. on a true line between sections 4 and 33.

Va. 15° 10' East.

Over level land

40.00 Set a Sand stone 12 x 9 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

50.00 Leave Flat bears N. and S. and ascend.

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

60.00 Enter Flat bears N. W. and S. E.

80.00 Set a Sand stone 16 x 13 x 10 ins. 11 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

70.00 chs. and 10.00 chs. mts.
Land level.
Soil 3rd rate
Vegetation of Bunchgrass and Sagebrush.

Sept. 4th 1882.

M. B. T. 31 N. R. 37 W. 6th P. M.

Chains.		
	S. 89° 51' W. on a true line between sections 5 and 32,	Va. 15° 00' East.
	Over level land	
12.00	Leave Flat bears N. and S.	and ascend:
23.00	Top of Spur, bears N. and S.	and descend.
30.00	Cross Wash, 100 lks. wide, Course S. E.	and ascend.
40.00	Set a Sandstone 15 x 10 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.	
48.00	Top of Spur, bears N. and S.	and descend.
66.50	Enter Flat bears N. and S.	
80.00	Set a Sandstone 14 x 9 x 6 ins. 9 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.	
	Land ~~rolling~~ 25.50 chs. flat. and 54.50 chs. Mts.	
	Soil 3rd rate	
	Vegetation of Bunchgrass and Sagebrush.	

M. B. T. 31 N. R. 37 W. 6th P. M.

Chains.		
	S. 89° 51' W. on a true line between sections 6 and 31,	Va. 15° 10' East.
	Over level land	
10.47	Leave Flat bears N. and S.	and ascend:
35.47	Top of Spur, bears N. W. and S. E.	and descend.
40.00	Set a Sandstone 11 x 9 x 7 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.	
65.47	Cross Wash, 60 lks. wide, Course S. E.	and ascend.
81.47	The Cor. to Tps. 31 & 32 N. Rs. 37 & 38 W.	
	Land mountainous. 71.00 chs and 10.47 chs. flat.	
	Soil 3rd rate	
	Vegetation of Bunchgrass and Sagebrush.	

E. B. T. 32 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 31 and 36.

Va. 15° 00' East.

Ascend.

7.50 Enter Flat bears E. and W.

10.00 Set a Sand stone 7 x 9 x 7 ins., 6 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

44.25 Leave Flat bears E. and W. and ascend.

72.00 Top of Hill bears N. W. and S. E. and descend.

76.00 Cross Wash, 20 lks. wide, Course S. to E. and ascend.

80.00 Set a Sand stone 12 x 9 x 7 ins. 8 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 8 notches on N. edges. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 55' East.

Ascend.

1.50 Top of Hill bears N. W. and S. E. and descend.

9.00 Cross Wash, 250 lks. wide, Course E. and ascend.

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

40.00 Set a Sand stone 13 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

42.00 Cross Wash, 25 lks. wide, Course E. and ascend.

80.00 Set a Sand stone 10 x 10 x 7 ins. 7 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 19 & 24.
Va. 14° 50' East.

Ascend.

6.00 Top of Hill bears E. and W. and descend.

16.00 Cross Wash, 200 lks. wide, Course E. and ascend.

40.00 Set a Sand stone 14 x 9 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

44.00 Top of Hill bears E. and W. and descend.

70.00 Cross Wash, 700 lks. wide, Course N. 70° E. and ascend.

72.83 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 18 x 16 x 13 ins. 12 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land hilly

Soil 3rd rate

Vegetation of Bunchgrass & Sagebrush.

E. B. T. 32 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.
Va. 14° 50' East.

Descend.

35.00 Enter Flat bears E. & W.

40.00 Set a Sand stone 12 x 9 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

70.00 Leave Flat bears E. and W. and ascend.

78.00 Top of Hill bears N. W. and S. E. and descend.

80.00 Set a Sand stone 14 x 9 x 9 ins. 9 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level. and hilly

Soil 3rd rate

Vegetation of Bunchgrass & Sagebrush.

E. B. T. 32 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 14° 40' East.

Descend.

3.00 Cross Wash, 200 lks. wide, Course N.W. S.E. and ascend.

40.00 Set a Sand stone 11 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

44.00 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 14 x 10 x 6 ins. 9 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land hilly

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 38 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 14° 50' East.

Descend.

21.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 11 x 9 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

52.00 Leave Flat bears E. and W. and ascend.

60.23 Intersect the 8th Standard Parallel North at a point 11.41 chs. West of the Standard Cor. to Secs. 31 and 32. T. 33 N. R. 37 W. at which point I.

Set a post 4¼ ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 37 and 38 W. marked C. C. T. 32 N. on S. R. 37 W. S. 6, on E. and R. 38 W. S. 1 on W. faces with 6 notches on S., E. & W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line, S., E. & W. of post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base. around post.

Land level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

Sept. 5th 1882

E. B. T. 32 N. R. 37 W. 6th P. M.

Chains.

From the Cor. to Tps. 31 and 32, N. Rs. 36 & 37 W., I run,

North on a true line between sections 31 and 36.

Va. 14° 50' East.

Descend.

35.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 13 x 8 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

43.00 Leave Flat bears E. and W. and ascend:

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

80.00 Set a Sand stone 16 x 10 x 5 ins. 11 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 8.00 chs. level. and 72.00 chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 37 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 14° 10' East.

Descend.

40.00 Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

64.00 Enter Flat bears E. and W.

80.00 Set a Sand stone 13 x 11 x 7 ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 37 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.
Va. 14° 30' East.

Over level land

16.50 Leave Flat bears N. E. and S. W. and ascend.

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

40.00 Set a Sandstone 11 x 9 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.00 Set a Sandstone 14 x 10 x 7 ins. 9 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 5 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 37 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.
Va. 14° 30' East.

Ascend.

5.50 Top of Hill bears E. and W. and descend.

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

77.00 Cross Wash, 250 lks. wide, Course E. and ascend.

80.00 Set a Sandstone 10 x 10 x 7 ins. 7 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land hilly

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 37 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 14° 30' East.

Ascend.

28.50 Top of Hill bears N.E. and S.W. and descend.

36.00 Cross Wash, 150 lks. wide, Course N.E. and ascend.

40.00 Set a Sandstone 10 x 6 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base, on

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

44.00 Cross Wash, 100 lks. wide, Course N.E. and ascend.

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

79.00 Cross Wash, 300 lks. wide, Course E. and ascend.

80.00 Set a Sandstone 12 x 10 x 10 ins. 8 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil Poor rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 37 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 14° 30' East.

Ascend.

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

23.50 Cross Wash, 300 lks. wide, Course E. and ascend.

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

63.67 Intersect the 8th Standard Parallel North at a point 11.70 chs. West. of the Standard Cor. to Secs. 31 and 32. T. 33 N., R. 36 W., at which point I.

Set a post 4½ ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 36 and 37 W. marked C. C. T. 32 N. on S., R. 36 W. S. 6, on E. and R. 37 W. S. 1 on W. faces with 6 notches on S., E. & W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line, S., E. & W. of post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base around post.

Land mountainous.

Soil Poor rate

Vegetation of Bunchgrass and Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. Sept. 6th, 1882.

E. B. T. 32 N. R. 36 W. 6th P. M.

Chains.

From the Cor. to Tps. 31 and 32 N. Rs. 35 & 36 W.
I run,

North on a true line between sections 31 and 36.
Va. 14° 20' East.

Descend.

7.00 Enter Flat bears E. and W.

16.50 Leave Flat bears E. and W. and ascend.

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

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

80.00 Set a Sand stone 14 x 10 x 10 ins. 9 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 9.50 Chs. level. and 70.50 Chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.
Va. 14° 10' East.

Descend.

13.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 13 x 10 x 10 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

41.50 Leave Flat bears E. and W. and ascend.

56.50 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 12 x 12 x 10 ins. 8 ins. in the ground for Cor. to Secs. 19, 24, 25 & 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land hilly.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 14° 20' East.

Descend.

3.00 Cross Wash, 200 lks. wide, Course E. and ascend.

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

43.00 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 12 x 10 x 10 ins. 8 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 36 W. 6th P. M.

ins.

North on a true line between sections 13 and 18.

Va. 14° 20' East.

Descend.

27.00 Cross Wash, 40 lks. wide, Course W. and ascend.

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

76.50 Top of Hill bears E. and W. and descend.

80.00 Set a Sand stone 17 x 14 x 9 ins. 11 ins. in the ground for Cor. to Secs. 7, 12, 13 & 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.
Va. 14° 25' East.

Descend.

39.60 Cross Wash, 300 lks. wide, Course E, and ascend.

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

80.00 Set a Sand stone 18 x 13 x 9 ins. 12 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised mound of earth 2 ft. high 4½ ft. base.

on Top of Spur, bears N. 70° W. and S. 70° E.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 36 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.
Va. 14° 10' East.

Descend.

9.50 Cross Wash, 300 lks. wide, Course E, and ascend.

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

37.00 Cross Wash, 200 lks. wide, Course E, and ascend.

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

68.26 Intersect the 8th Standard Parallel North at a point 17.05 chs. West. of the Standard Cor. to Secs. 31 and 32. T. 33 N. R. 35 W. at which point I.

Set a post 4½ ft. long, 4 ins. square, 12 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 35 and 36 W. marked C. C. T. 32 N. on S., R. 35 W. S. 6, on E. and R. 36 W. S. 1, on W. faces with 6 notches on S., E. and W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line, S., E. & W. of post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base, around post.

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E. B. T. 32 N. R. 36 W. 6th P. M.

Chains.

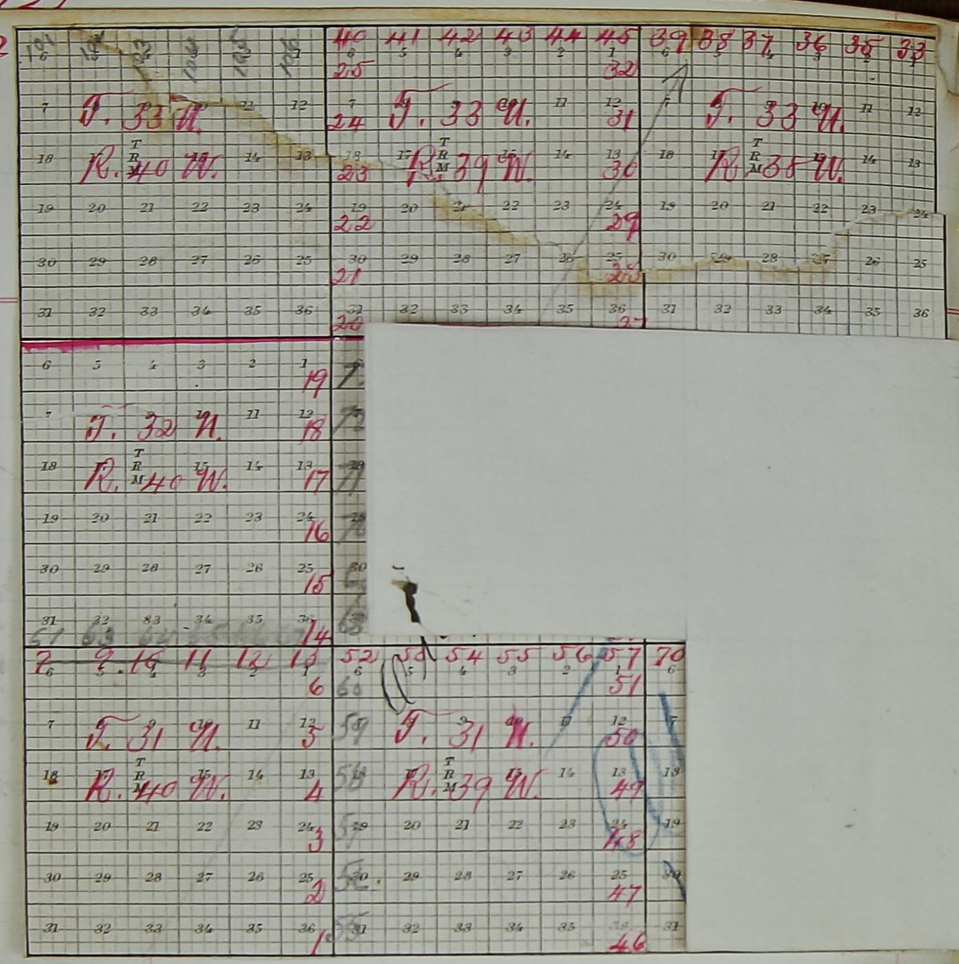
Land mountainous.

Soil 3rd *rate*

Vegetation of Bunchgrass & Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

Sept. 7th 1882.



Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by John Roach, of San Francisco Cal. in 1861.

E. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

From the Cor. to Tps. 30 & 31 N. Rs. 39 & 40 W, I run,

North on a true line between sections 31 and 36.

Va. 15° 30' East.

Descend.

12.00 Cross Wash, lks. wide, Course N.E. and ascend.

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

40.00 Set a Sand stone 10 x 9 x 7 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

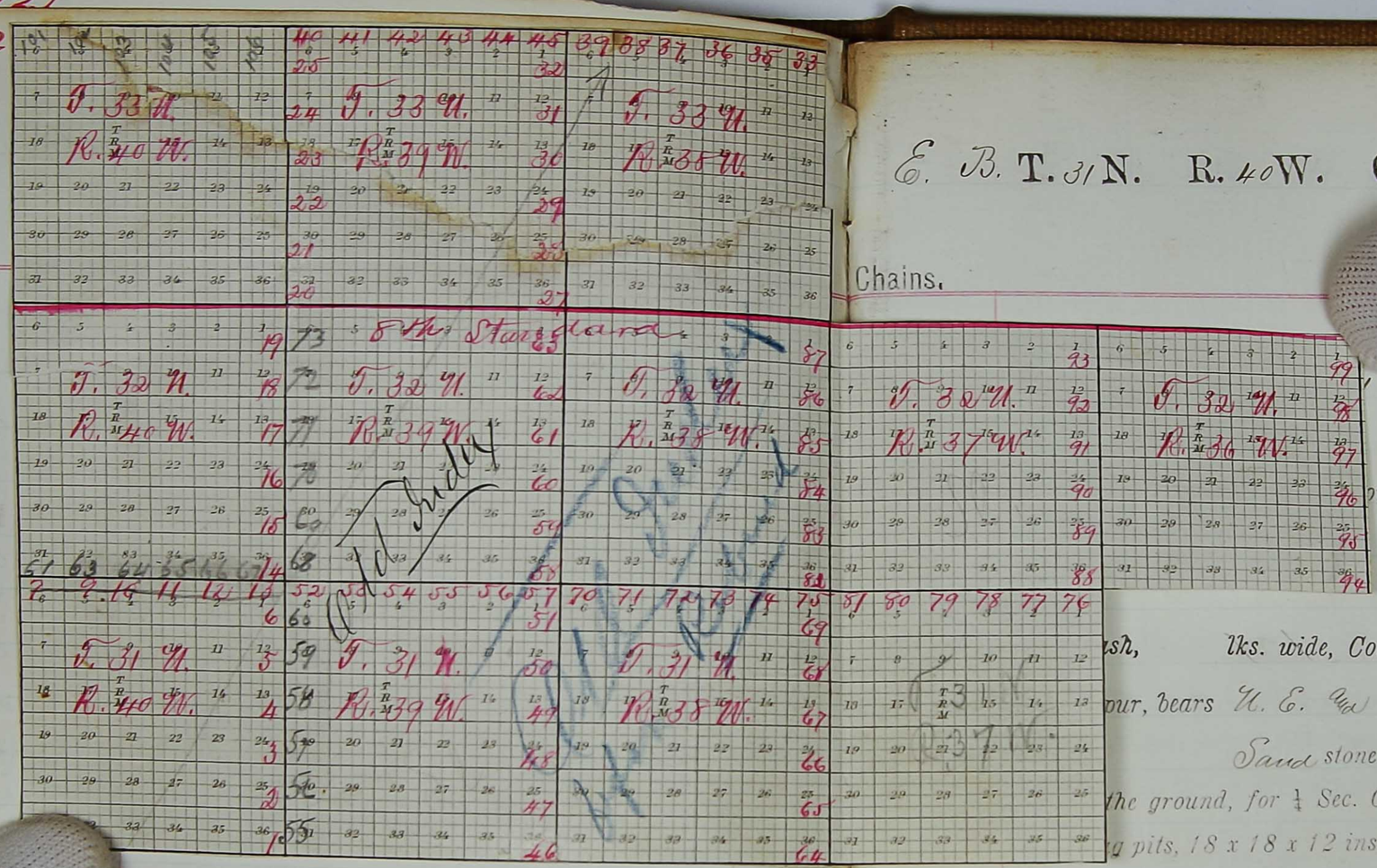
46.65 Cross Wash, 40 lks. wide, Course N.20°E. and ascend.

80.00 Set a Sand stone 12 x 9 x 8 ins. 8 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.



E. B. T. 31 N. R. 40 W. 6th

Chains.

N. Rs.

ons 31 and 36.

Va. 15° 30′ East.

sh, lks. wide, Course N.E. and ascend.

our, bears N. E. & S. W. and descend.

Sand stone 10 x 9 x 7 ins., 7

the ground, for ¼ Sec. Cor., marked ¼ on W.

g pits, 18 x 18 x 12 ins., E. and W. of stone

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

5½ ft. base.

46.65 Cross Wash, 40 lks. wide, Course N.20°E. and ascend.

80.00 Set a Sand stone 12 x 9 x 8 ins. 8 ins. in

the ground for Cor. to Secs. 25, 30, 31 and 36, marked

with 1 notch on S. and 5 notches on N. edges, dug pits

18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a

mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass & Sagebrush.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by John Roach, of San Francisco Cal. in 1861.

E. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 25 and 30.

Va. 15° 35' East.

Ascend.

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

15.00 Cross Wash, 100 lks. wide, Course S. E. and ascend.

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

40.00 Set a Sand stone 11 x 8 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

54.00 Cross Wash, 80 lks. wide, Course S. E. and ascend.

80.00 Set a Sand stone 14 x 8 x 6 ins. 9 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.

Va. 16° 50' East.

Ascend.

4.00 Top of Spur, bears N. 20° W. and S. 20° E. and descend.

20.00 Cross Wash, 120 lks. wide, Course S. E. and ascend.

40.00 Set a Lime stone 10 x 9 x 8 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

52.00 Cross Wash, 100 lks. wide, Course S. E.

80.00 Set a Sand stone 16 x 9 x 6 ins. 11 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.
Va. 15° 55' East.

Ascend.

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

33.00 Enter Flat bears E. and W.

40.00 Set a Sand stone 11 x 9 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Lime stone 10 x 10 x 5 ins. 7 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level. 47.00 chs and 33.00 lks.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.
Va. 16° 00' East.

Over level land

22.00 Leave Flat bears S. E. and ascend.

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

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

60.00 Cross low Sag and ascend.

80.00 Set a Sand stone 12 x 10 x 10 ins. 8 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous. 58.00 chs. and 22.00 chains flat.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 16° 00′ East.

Ascend.

20.00 Top of Spur, bears N. 30° W. and S. 30° E. and descend.

40.00 Set a Sandstone 13 x 11 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

57.00 Cross Wash, 150 lks. wide, Course N. 20° E. and ascend.

80.00 Set a Sandstone 16 x 16 x 12 ins. 11 ins. in the ground, for Cor. to Tps. 31 and 32 N. R's 39 and 40 W., marked with 6 notches on each edge, dug pits, 24 x 18 x 12 ins. lengthwise on each line, N. S. E. and W. of stone, 6 ft. dist., and raised a mound of earth 2½ ft. high, 5 ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

Aug. 23rd 1882.

N. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

Before proceeding further with the exteriors of this Tp. I made a change of 5 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

I took the latitude and found it to be 42° 41′ N.

From the Cor. to Tps. 31 & 32 N, Rs. 39 & 40 W.

I run West on a random line on N. B. of Tp.

Va. 15° 50′ East.

I set temporary corners at every half mile, and at 5 miles

73.61 chs. I arrive at a point 140 lks. North of Cor. to Tps, 31 & 32 N, Rs. 40 & 41 W. from which corner I run N. 89° 50′ E. on a true line between sections 6 & 31

Va. 15° 00′ East.

Descend.

9.94 Cross Wash, 40 lks. wide, Course S. 10° E. and ascend.

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

33.61 Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.

from which

M. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

A Cottonwood 6 ins. diam. bears S. 80° W., 24 lks. dist. marked ¼ S. B. T.

45.80 Cross Niobrara River, 180 lks. wide, Course N. 20° E. and ascend.

73.61 Set a Lime stone 14 x 8 x 8 ins. 9 ins. in the ground for Cor. to Secs. 5, 6, 31 and 32, marked with 1 notch on W and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 2nd and 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Timber of Cottonwood.

M. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

N. 89° 50' E. on a true line between sections 5 and 32.

Va. 15° 00' East.

Ascend.

8.00 Top of Spur, bears N. 10° W. and S. 10° E. and descend.

25.00 Cross Wash, 30 lks. wide, Course N. W. and ascend.

40.00 Set a Sand stone 12 x 12 x 9 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Sand stone 17 x 9 x 5 ins. 11 ins. in the ground for Cor. to Secs. 4, 5, 32 and 33, marked with 2 notches on W and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

N. 89° 50' E. on a true line between sections 4 and 33.

Va. 15° 15' East.

Descend.

19.00 Cross Wash, 60 lks. wide, Course N. and ascend.

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

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

71.00 Cross Wash, 400 lks. wide, Course N. and ascend.

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

80.00 Set a Sand stone 12 x 9 x 6 ins. 8 ins. in the ground for Cor. to Secs. 3, 4, 33 and 34, marked with 3 notches on W. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

N. 89° 50' E. on a true line between sections 3 and 34.

Va. 15° 10' East.

Descend.

13.80 Cross Creek, 20 lks. wide, Course N. and ascend.

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

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

52.76 Cross Road, bears, N. and S.

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

80.00 Set a Sand stone 12 x 10 x 5 ins. 8 ins. in the ground for Cor. to Secs. 2, 3, 34 and 35, marked with 4 notches on W. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

N. 89° 50' E. on a true line between sections 2 and 35.

Va. 15° 10' East.

Descend.

37.00 Cross Wash, 100 lks. wide, Course S. and ascend.

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

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

74.00 Cross Wash, 50 lks. wide, Course N, and ascend.

80.00 Set a Sandstone 7 x 12 x 9 ins. 11 ins. in the ground for Cor. to Secs. 1, 2, 35 and 36, marked with 5 notches on W. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

M. B. T. 31 N. R. 40 W. 6th P. M.

Chains.

N. 89° 50' E. on a true line between sections 1 and 36.

Va. 15° 30' East.

Ascend.

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

23.00 Cross Wash, 60 lks. wide, Course N. and ascend.

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

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

59.00 Cross Wash, 70 lks. wide, Course N, and ascend.

80.00 The Cor. to Tps. 31 & 32 N. Rs. 39 & 40 W.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Aug. 24th 1882.

E. B. T. 32 N. R. 40 W. 6th P. M.

Chains.	
	North on a true line between sections 31 and 36.
	Va. 15° 50′ East.
	Ascend.
40.00	Set a Sand stone 12 x 10 x 10 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
63.00	Top of Spur, bears N. W. and S. E. and descend.
80.00	Set a Sand stone 16 x 10 x 8 ins. 11 ins. in the ground for Cor. to Secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 40 W. 6th P. M.

Chains.	
	North on a true line between sections 25 and 30.
	Va. 15° 40′ East.
	Over rolling land.
40.00	Set a Sand stone 14 x 10 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 20 x 12 x 6 ins. 15 ins. in the ground for Cor. to Secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land rolling.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 19 and 24.
Va. 15° 45' East.

Over rolling land.

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

79.90 Cross Road, bears, E. and W.

80.00 Set a Sandstone 12 x 10 x 6 ins. 8 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on R. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 13 and 18.
Va. 15° 51' East.

Over rolling land.

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

42.00 Leave rolling land, bears E. and W. and descend.

47.10 Cross Niobrara River, 150 lks. wide, Course E. and ascend.

69.00 Top of Spur, bears S. 60° E. and N. 60° W. and descend.

80.00 Set a Sandstone 15 x 15 x 12 ins. 12 ins. in the ground for Cor. to Secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on R. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land 42.00 chs. rolling, and 38.00 chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 7 and 12.

Va. 15° 50' East.

Descend.

2.73 Cross Creek, 100 lks. wide, Course S. 60° E. and ascend.

11.00 Cross Road, bears, E. and W.

40.00 Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

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

80.00 Set a Sand stone 16 x 16 x 9 ins. 11 ins. in the ground for Cor. to Secs. 1, 6, 7 and 12, marked with 5 notch es on S. and 1 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

E. B. T. 32 N. R. 40 W. 6th P. M.

Chains.

North on a true line between sections 1 and 6.

Va. 15° 50' East.

Ascend.

40.00 Set a Sand stone 14 x 10 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

55.09 Intersect the 8th Standard Parallel North at a point 7.24 chs. West. of the Standard Cor. to Secs. 31 and 32, T. 33 N., R. 39 W. at which point I.

Set a Sand stone 13 x 9 x 6 ins. 9 ins. in the ground, for Closing Cor. to Tps. 32 N., R's 39 and 40 W. marked C. C. T. 32 N. on S., R. 39 W. S. 6, on E. and R. 40 W. S. 1 on W. faces with 6 notches on S., E. & W. faces, dug pits, 24 x 18 x 12 ins. crosswise on each line, S., E. & W. of stone post, 6 ft. dist. and raised a mound of earth 2½ ft. high 5 ft. base. ~~around post.~~

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

I carefully examined my Solar Compass today, and found it correct. Aug. 25th 1882.

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~~74.~~

W.B. T. 33 N. R. 39 W. 6th P. M.

Chains. for balance of this line see Vol ~~52~~ 263 page ~~196~~ 227

copied into Vol. ~~52~~ 263 page ~~196~~ 226
" Sec. Vol. ~~52~~ 263 page ~~196~~ 226

Before proceeding further with the exteriors of this Tp., I made a change of 6 minutes in the latitude arc of my solar compass by adding same to the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing. I took the latitude I found it to be 42° 47' N. Thence from

The Cor. to Tps. 33 N. Rs. 39 & 40 W, Standard

I run,

North on a true line between sections 31 and 36.

Va. 15° 10' East.

Ascend.

5.00 Enter Flat bears N. W. and S. E.

35.00 Leave Flat bears N. W. and S. E. and ascend:

40.00 Set a post 3 ft. long, 3 ins. diam. 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ S. on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of post 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base around post.

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

60.00 Cross Wash, 300 lks. wide. Course S. E. and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs. 25, 30, 31 & 36, marked T. 33 N., S. 30 on N. E., R. 39 W., S. 31

see vol 263 page 227 for balance

General Land Office • Original Field Notes

Book Number

263

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.