General Land Office • Original Field Notes

Book Number

627

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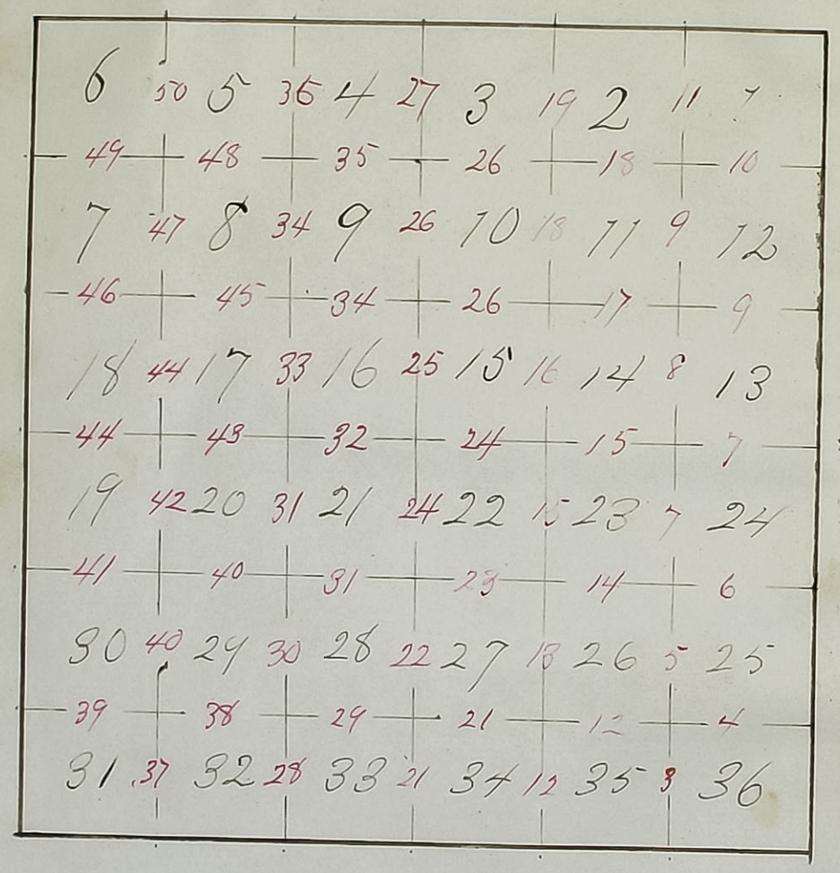


Township 29. North R 41. W. of 6th P.M.

Field Notes

of the Survey, and retracement of exterior lines of Township No. 29. North of the Base line of Range No. 40. West of the 6th P.M. in Nebraska. Executed by W. T. Richardson United States Deputy Surveyor under his contract No. 117 dated August 12th 1880.

Survey commenced Oct 20th 1880.

Survey completed Oct 26. 1880.

Names of assistants

W. B. Young	Chainman.
Albert Stafford	Chainman.
W. S. Cammeron	Flagman.
G. M. Perry	Moundman.

the Survey of this Tp was executed with a light mountain Transit Manufactured by W. and L. E. Gurley of Troy N.Y. No No to be found on the instrument. Instrument in good condition. thoroughly tested and approved by the Surveyor General before entering the field.

Instrument tested at cor to Sec 35. & 36 Tp 29. R 40. W by observation of Polaris at its upper meridian passage instrument used a light mountain Transit made by W. and L. E. Gurley Troy N.Y. No No to be found on the instrument. Instrument in good condition the needle made an angle of 14°22' with the meridian so obtained Act 20° 1880 11h 14m P. M. Civil Time.

Retracement of S. boundary of Tp 29 N. R. 40 W.

Commencing at cor to Tps 28 & 29 N. R 40 and 41 W

I run E along S. bdy of Sec 31

Va 14°45' E

40.07 1/4 sec cor. fair condition rebuilt mound

80.05 Cor to Sec 31. and 32 ~~[illegible]~~ mound & pits — rebuilt mound reset hackberry stake in E pit

E. along S bdy of Sec 32.

Va 14°45'

39.93 1/4 sec cor ~~[illegible]~~ a mound & pits, rebuilt mound from pits

79.98 Cor to Sec 32. & 33 poor condition rebuilt mound reset hackberry stake in E pit

E. on S. boundary of Sec 33

Va 14°45'

40.00 1/4 sec cor fair condition rebuilt mound from pits

80.06 Cor to Sec 33. and 34 good condition rebuilt mound reset cedar stake 3x3x30 in in E. pit

E. along S. boundary of Sec 34

Va 14°45' E

40.00 1/4 sec cor nearly destroyed rebuilt mound from pits

80.00 Cor to Sec 35. and 36 good condition rebuilt mound reset red cedar stake 3x3x31 in in E pit

Relocatement of S. boundy of Tp. 29. R. 40

E. along S. boundary of Sec 35.
Va 14° 45' E

40.00 ¼ Sec cor good condition rebuilt mound fresh pits

80.07 Cor to Secs 35 and 36 good condition rebuilt mound west red cedar stake 3x3x30 in in S. E. pit

E. on S. boundary of Sec 36
Va 14° 45' E

40.09 ¼ Sec cor fair condition rebuilt mound fresh pits

80.10 Cor to Tps 29. N. R 40. 39. W. cor in good condition rebuilt mound west red cedar stake 3x3x30 in in E pit

Having completed the Relocatement of South Boundary of Township I proceed to subdivide the Township and

Subdivision of Township 29 N. Range 40. West.

To determine the proper adjustment of my instrument for the subdivision of the Tp. I commence at the S. E. cor of the Tp. & run N. on E cor. boundary of Sec 36.
Va 14° 40' E

40.00 ¼ Sec cor

80.00 Cor to Secs 25. 30. 31. and 36.
My Va for subdividing the Tp will therefore be 14° 40 E.

From the cor to Secs 35 and 36 on S. boundary of Township I run N. between Secs 35 and 36
Va 14° 40' E.

40.00 Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor.

45.00 Enter Valley.

50.00 Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar

Subdivision of Tp 29. North Range 40. West

	stake 2x2x30 in in S.E. pit for cor to Sec 35. 36. 25 and 26.
	Land rolling
	Soil 2nd rate.
	East on a random line between Sec 25. and 36.
	Va 14° 40' E
8.00	Enter low hills
40.00	Set temporary 1/4 sec cor
80.00	Intersect East boundary of Tp. at cor to Sec 25. 36. from which cor I run West on a true line between Sec 25 and 36
	Va 14° 40' E
40.00	Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor.
80.00	Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2x2x30 in in S.E. pit for cor

Subdivision of Tp 29. N. Range 40. West

80.00 Cor to	Sec 25. 26. 35. and 36.
	Land rolling
	Soil 2nd rate.
	N. between Sec 25. and 26
	Va 14° 40' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor.
80.00	Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep for set red cedar stake 2x2x30 in in S.E. pit for cor to Sec 25. 26. 23 and 24.
	Land level
	Soil 1st rate.

Subdivision of Tp 29. N. Range 40. West

E. on a random line between Secs 24 and 25.

Va 14° 40' E.

5. w	Enter low hills bear N.E
40. w	Set temporary 1/4 Sec cor
79.90	Intersect E. boundary of Tp at a point 13 chs N of cor to Secs 24, and 25 from which cor I run

N. 89° 54' W. on a true line between Secs 24 and 25

Va 14° 40' E.

39.95	Built mound of earth 2½ ft high from pits 1½ x 2½ x 1½ in deep for 1/4 Sec cor.
79.90	Cor to Secs 23. 24. 25 and 26

Land rolling

Soil 2nd rate.

Subdivision of Tp 29. N. Range 40 West

N. between Secs 23 and 24.

Va 14° 40' E

40. w	enter hills bearing N.E. Built mound of earth 2½ ft high from pits 1½ x 2½ x 1½ in deep for 1/4 Sec cor.
50. w	Deposit charcoal rain mound of earth 3 ft high from pits 1½ x 2½ x 1½ in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 13. 14. 23. 24.

Land rolling

Soil 2nd rate.

E. on a random line between Secs 13. and 24.

Va 14° 40' E

40. w	Set temporary 1/4 Sec cor
61. w	Enter valley
67. w	Enter hills
80. w	Intersect East boundary of Tp at a point 7 chs N of cor to Secs 13 & 24 from which cor I run

S. 89. 57' W on a true

Subdivision of Twp 29 N. Range 40 W.

line between 13. & 24

Va 14° 40' E

40. W Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ Sec cor

80. W Cor to Secs 13. 14. 23. 24

Land rolling

Soil 2nd rate

N. between Secs 13. and 14

Va 14° 40' E.

40. W Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ Sec cor.

80. W Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 15 in deep for set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 13. 14. 11. 12.

Land rolling

Soil 2nd rate.

Subdivision of Twp 29 N. Range 40 W.

E. on a random line between Secs 12 and 13.

Va 14° 40' E

5. W Enter Valley

40. W Set Temporary ¼ Sec cor

52. 25. Enter hills

80. 12 Intersect E boundary of Twp at a point 15 chs N. of cor to Secs 12. & 13 from which cor I run

N. 89° 54' W. on true line between Secs 12 and 13

Va 14° 40' E

40. 05 Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ Sec cor.

80. 12 Cor to Secs 12. 13. 11. 12.

Land rolling

Soil 2nd rate.

N. between Secs 11. and 12

Va 14° 40' E

40. W Built mound of earth 2½ ft

12. W Enter valley

high from pits 18 x 24 x 15 in deep for ¼ Sec cor.

Subdivision of Tp 29. N. Range 41. W.

60.10	enter hills
80.00	Deposite charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar slate 2 x 2 x 30 in in S.E. pit for cor to Sec 1. 2. 11. and 12.
	Land rolling
	Soil 2nd rate.
	E. on random line between Sec 1. and 12
	Va 14° 40' E.
30.00	Enter Valley
40.00	Set Temporary 1/4 sec cor
80.00	Intersect East boundary of Tp at cor to Sec 1 & 12 from which cor I run West on a true line bet 1 & 12
	Va 14° 40' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor.
80.00	~~Deposite charcoal raise mound of earth 3 ft high from pits 18 x 24~~

Subdivision of Tp 29. N. R 40 West.

	~~x 18 in deep set red cedar slate 2 x 2 x 30 in in S.E. pit for cor to Sec 1. 2. 11. and 12~~
80.00	Cor to Sec 1. 2. 11. and 12
	Land rolling
	Soil 2nd rate
	N. between Sec 1 & 2 on a random line
	Va 14° 40' E
40.00	Set temp 1/4 sec cor
79.90	Intersect N boundary of Tp at a point 15 lks West of cor to Sec 1 & 2. from which cor I run
	S 00° 06' W on a true line between Sec 1 & 2
	Va 14° 40' E
39.90	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor
79.90	Cor to Sec 1. 2. 11. 12.
	Land rolling
Oct 20: 1880	Soil 2nd rate.

Subdivision of Tp. 29. N. Range 40. W.

From cor to Sec 34. and 35 on S. boundary of Tp. Thence N. between Sec 34 and 35.

Va 14°40' E

5.00 Enter low hills

40.00 Built mound of earth 2½ ft. high from pits 18 x 24 x 18 in deep for 94 Sec cor

65.00 enter valley

80.00 Dep with charcoal rare mound of Earth 3 ft high from pits 18 x 24 1.5 in deep set and cedar stake 2 x 2 x 30 in in N.E. pit for cor to Sec 26. 27. 34 and 35

Land rolling

Soil 2nd rate.

E. on a random line between Sec 26. and 35

Va 14° 40' E

9.00 Enter hills

35.00 Old Indian trail. course N. and S.

40.00 Set iron 94 Sec cor

74.00 enter valley

Subdivision of Tp. 29. N. R. 41. West

79.85 Intersect N. & S. line at a point 15 chs N of cor to Sec 26 and 35 from which cor I run

N. 89° 54' W on a true line between Sec 26. and 35

Va 14° 40' E

39.92½ Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor

79.85 Cor to Sec 26. 27. 34. and 35

Land rolling

Soil 2nd rate.

N. between Sec 26 and 27.

Va 14° 40' E.

5.00 enter valley

12.00 Enter valley at E. edge of small marsh

22.00 Enter hills

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.

62.00 leave hills enter valley

80.00 Deposit charcoal rare mound

Subdivision of Tp 29. N. Range 40. W

of earth 2½ ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to sec 22. 23. 26. and 27

Land gently rolling

Soil 1st rate.

E. on a random line between sec 26. and 23.

Va 14°40' E.

40. w Set temporary ¼ Sec cor

79.92 Intersect N. & S. line at a point 18 lks N of cor to sec 24. 25. 23. and 26 from which cor I run

N 8.9°52' W on a true line between sec 26. and 23

Va 14°40' E

39.96 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor

~~79.92 Intersect N. and S. line at~~

79.92 cor to sec 22. 23. 26 & 27.

Subdivision of Tp 29. N. Range 40 W

Land rolling

Soil 2nd rate

N. between sec 22. and 23

Va 14°40' E

40. w Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor

78. w ~~[illegible]~~ N.E. N.W.

80. w Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E pit for cor to sec 22. 23. 14. and 15.

Land rolling

Soil 2nd rate.

E. on a random line between sec 14 & 23.

Va 14°40' E.

40. w Built ~~mound of earth 2½ ft~~

Subdivision of Tp 29. N. Range 41. W.

	high from pits 18 x 24 x 18 in deep for 94 Sec cor
40. w	Set temporary 94 Sec cor
80. w	Intersect N. & S. line at cor to Sea 13. 14. 23. and 24 from which cor I run W. on a true line bet Sea 14. & 23 &
	Va 14°40' E
40. w	Built mound of earth 29 ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.
80. w	Cor to Sea 14. 15 22. 23.
	Land rough
	Soil 3rd rate.

N. between Sea 14 and 15

Va 14°40' E

13. w	Enter W. end of Valley
25. w	Enter hills Bar N.W.
40. w	Built mound of earth 29 ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.

Subdivision of Tp 29. North R 41. W.

79. w	Enter Valley
80. w	Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sea 10. 11. 14 and 15.
	Land Gently rolling
	Soil 1st rate.

E. on a random line between Sea 11. & 14

Va 14°40' E

40. w	Set temporary 94 Sec cor
61. w	Enter low hills
79. 80	Intersect N. & S. line at a point 10 lks N. of cor to Sea 11. 12. 13 & 14 from which cor I run W
	N. 89°56' W on true line
	bet Sea 11. & 14
	Va 14°40' E
39. 90	Built mound of earth 29 ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.

Subdivision of Tp 29. N. R. 41. W.

79.80	Cor to sec 10. 11. 14. 15.
	Land gently rolling
	Soil 1st rate
	N. between sec 10 and 11
	Va 14° 40' E.
30.00	Enter hills bearing N. E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ sec cor.
80.00	Built mound of Earth 3 ft high from pits 18 x 24 x 15 in deep set and cedar stake 2 x 2 x 30 in S. E pit for cor to sec 2. 3. 10. & 11
	Land rolling
	Soil 2nd rate.
	E. on a random line between sec 2 & 11.
	Va 14° 40' E

Subdivision of Tp 29. N. R. 41. W.

40.00	Set temporary ¼ sec cor
80.00	Intersect N. and S. line at a point 20 lks N of cor to sec 1. 2. 11. & 12 from which cor I am
	N. 89. 51' W on a true line between sec 2 & 11
	Va 14° 40' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ sec cor
80.00	Cor to sec 2. 3. 10. & 11
	Land rolling
	Soil 2nd rate.
	N. on a random line between sec 2 and 3.
	Va 14° 40' E
14.00	Enter Valley
24.00	Enter hills bearing N. E & W
40.00	Set temporary ¼ sec cor
79.00	Enter Valley
79.85	lks intersect N. boundary of Tp

Subdivision of Tp 29. N. R. 41 west.

at a point 16 lks West of cor to Sec 3. 2 from which cor I run
S. 0°07' W on a true line between Sec 2. & 3.
Va 14°40' E

39.85 Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep for ¼ Sec cor

79.85 Cor to Sec 2. 3. 10. and 11.
Land rolling
Soil 2nd rate.
October 21st 1880.

Instrument tested at cor to Sec 33. & 34 on S. boundary of Tp 29. R 40. by observation of Polaris at its upper meridian Transit. Instrument used a high mountain Transit made by W and L. E. Gurley of Troy N.Y. in good condition the needle made an angle with the Meridian so obtained of 14°23'. No number to be found on instrument. Oct 21st 11h 10m P. M. Civil Time.

Subdivision of Tp 29. North Range 41 W

From the cor to Section 33. and 34 on S boundary of Tp 29. R 40. W. I run N between Sec 33. and 34
Va 14°40' E.

8.00 Enter hills bearing E & W

40.00 Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep for ¼ Sec cor.

50.00 Enter Valley

80.00 Deposit charcoal raise mound of earth 3 ft high from pit 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sec 27. 28. 33. 34.
Land rough
Soil 3rd rate.

E. on a random line between Sec 27 and 34.
Va 14°40' E

40.00 Set temporary ¼ Sec cor

80.00 Intersect N. and S. line at cor

Subdivision of Tp. 29. N. R 40 West

	to Sec 25. 27. 34. 35. from which cor I run West on a true bi between Sec 27 & 34
	Va 14° 40' E
40. w	Built mound of earth 2½ ft high from pit 18 x 24 x 15 in deep for ¼ Sec cor.
80. w	Cor to Sec 27. 28. 33 & 34
	Land rough
	Soil 8th rate.

	N. between Sec 27. and 28
	Va 14° 40' E.
13. w	enter swamp
40. w	Built mound of earth 2½ ft high from pit 18 x 24 x 15 in deep for ¼ Sec cor
54. w	Enter Valley
80. w	Deposit charcoal varnish mound of earth 3 ft high from pit 18 x 24 x 15 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sec 21, 22. 27. and 28

Subdivision of Tp 29. N. R. 40. West

	Land rolling
	Soil 2nd rate

	E. on a random bi between Sec 22 & 27
	Va 14° 40' E.
40. w	Set temporary ¼ Sec cor
55. 40.	Enter low hills
80. w	Intersect N. & S. line at a point 17 lks N. of cor to Sec 22. 23. 26. & 27 from which cor I run
	N. 89° 53' W on a true bi between Sec 22. and 27.
	Va 14° 40' E
40. w	Built mound of earth 2½ ft high from pit 18 x 24 x 15 in deep for ¼ Sec cor.
80. w	Cor to Sec 21. 22. 27. and 28
	Land low hills & Valley
	Soil hills 2nd rate Valley 1 rate

Subdivision of Twp 29. N. Range 40. W.

N. between Secs 21. and 22.
Va 14° 40' E

25.00 Enter hill

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.

57.00 Enter Valley

74.00 Enter hill

80.00 Deposit charcoal rare mound of earth 2 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 15, 16, 21, 22.

Land rolling
Soil 2nd rate.

E. on a random line between Secs 15 and 22.
Va 14° 40' E

31.00 Enter Valley

40.00 Pit line 94 Sec cor

43.00 Near Valley enter low hills

80.12 Intersect N. & S. line at a point

Subdivision of Twp 29. N. R. 41 West.

14 chs N of cor to Secs 14, 15, 22 & 23 from which cor I run
N. 89° 54' W on a true line
between 15 and 22
Va 14° 40' E.

40.00 Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor

80.12 Cor to Secs 15, 16, 21, 22
Land gently rolling
Soil 1st rate.

N. between Secs 15 and 16
Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor

80.00 Deposit charcoal rare mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 9, 10, 15 and 16

Land rolling
Soil 2nd rate.

Subdivision of Twp 29. N. R. 41. West.

East on a random line between Secs 10. and 15.
Va 14° 40' E.

40.00 Set temp 1/4 Sec cor
70.50 Enter Valley
79.84 Intersect N. & S line at a point 15 l/k N. of cor to Secs 10. 11. 14 and 15 from which cor I run
N. 89° 52' W. on a true line between Secs 10. & 15
Va 14° 40' E
39.92 Built mound of earth 2½ ft high from pits 15 x 24 x 15 in deep for 1/4 Sec cor.
79.84 Cor to Secs 9. 10. 15. and 16.
Land gently rolling
Soil 2nd rate

N. between Secs 9. and 10
Va 14° 40' E
40.00 Built mound of earth 2½ ft high from pits 15 x 24 x 15 in deep

Subdivision of Twp 29 N. Range 41. West.

for 1/4 Sec cor.
50.00 Deposited charcoal rain mound of earth 3 ft high from pits 15 x 24 x 15 in deep set-with cedar stake 2 x 2 x 30 in in S. E. pit for cor to Secs 3. 4. 9. and 10
Land rolling
Soil 2nd rate.

E. on a random line between Secs 3 and 10
Va 14° 40' E.
40.00 Set temporary 1/4 Sec cor
45.00 Enter Valley
72.00 Enter hills bearing S.
80.15 Intersect N. & S. line at a point 12 l/k N. of cor to Secs 2. 3. 10. 11 from which cor I run
N. 89° 55' W. on a true line between Secs 3 and 10.
Va 14° 40' E
40.00 Built mound of earth 2½ ft

Subdivision of Tp 29. N. R. 41. West.

high from pits 18 x 24 x 18 in deep for 1/4 sec cor

80.00 Cor to sec 3. 4. 9. and 10.

Land rolling

Soil 2nd rate

N. on a random line between sec 3 and 4.

Va 14° 40' E

40.00 Set temporary 1/4 sec cor.

79.83 Intersect N. boundary of Tp at a point 20 lks West of cor to sec 3 & 4 from which cor I run

S 0° 09' W. on a true line between sec 3 and 4.

Va 14° 40' E.

39.83 Built mound of earth 2 1/2 ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor

79.83 Cor to sec 3. 4. 9. and 10.

Land rolling.

Soil 2nd rate

Friday Oct 22 1880.

Subdivision of Tp 29. N. Range 40. W.

Instrument Tested at cor to sec 32. and 33. on S. boundary of Tp 29. N. R. 40 W. by observation of Polaris at its upper meridian passage instrument used a light mountain transit made by W. and L. E. Gurley of Troy N. Y. No No to be found on the instrument in good condition. the needle made an angle with the meridian so obtained of 14° 23' Oct 22nd 1880 11 h. 06 m P.M. civil time.

From the cor of sec 32. and 33. on S. boundary of Tp I run N between sec 32 and 33

Va 14° 40' E

25.00 Enter hills

37.00 Enter Valley.

40.00 Build mound of earth 2 1/2 ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor.

Subdivision of Tp. 29. N. R. 40. W.

55.	Enter hills
50. w	Deposit charcoal Build mound of earth 3 ft. high from pits 18 x 24 x 15 in deep set and cedar stake in S. E pit for cor to sec 28. 29. 32. and 33.
	Land gently rolling
	Soil 1st rate.
	E. on a random line between sec 28 and 33.
	V. a 14° 40' E.
40. w	Set lime ¼ sec cor
55. w	Enter valley
80. w	Intersect N. & S. line at a point 8 lks N. of cor to sec 27. 28. 33 34 from which cor I run
	N. 89. 57' W on a true line between sec 28. and 33
	V a 14° 40' E.
40. w	Built mound of earth 2½ ft. high from pits 18 x 24 x 15 in deep for ¼ sec cor
80. w	Cor to sec 28. 29. 32. & 33.

Subdivision of Tp. 29. N. R. 40. W.

	Land rolling
	Soil 3rd rate.
	N. between sec 28 and 29
	V a 14° 40' E
23. w	Enter Valley
30. w	Enter low hills
40. w	Built mound of earth 2½ ft. high from pits 18 x 24 x 15 in deep for ¼ sec cor.
57. w	Enter Valley
66. w	leave Valley enter low hills
80. w	Deposit charcoal rock mound of earth 3 ft. high from pits 18 x 24 x 15 in deep ~~pit~~ and cedar stake 2 x 2 x 30 in in S. E. pit for cor to sec. 20. 21. 28 and 29.
	Land rolling
	Soil 2nd rate.

Subdivision of Tp. 29. N. R. 40. W.

E. on a random line between Secs 21. and 28.
Va 14° 40' E.

40.00 Set temp 1/4 Sec cor

40.50 Enter Valley

50.10 Intersect N. & S. line at a point 15 lks N. of cor to Secs 21. 22. 27. & 28 from which cor I am
N. 89° 54' W. on a true line between Secs 21. and 28
Va 14° 40' E

40.05 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor

50.10 Cor to Secs 20. 21. 28. and 29.
Land gently rolling
Soil 1st rate.

N. between Secs 20. & 21
Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor.

Subdivision of Tp. 29. N. R 40. W

46.00 Enter Valley

54.00 Leave Valley enter low hills

50.00 Deposit charcoal raised mound of earth 3 ft high from pits 18 x 24 x 18 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 16. 17. 20. 21.
Land rolling
Soil 2nd rate

E. on a random line between Secs 15. 21.
Va 14° 40' E

40.00 Built temporary 1/4 Sec cor

50.00 Intersect N. & S. line at cor to Secs 15. 16. 21. and 22. from which cor I am W. on a true line between Secs 15. & 22
Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor.

Subdivision of Tp 29 N. R. 40 W.

50. w	Cor to Secs 16. 17. 20 and 21. Land rolling Soil 2nd rate.
	N. return Secs 16. and 17. Va 14° 40' E.
34. w	Enter Valley
40. w	Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep for 1/4 Sec cor.
57. w	Enter low hills
80. w	Deposit charcoal rock mound of earth 8½ ft high from pit 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S. E. pit for cor to Secs 16. 17. 8 and 9. Land gently rolling Soil 1st rate.

Subdivision of Tp 29 N. R. 40 W.

	E. on a random line between Secs 9 and 16 Va 14° 40' E.
40. w	Set Temporary 1/4 Sec cor
79.85	Intersect N. and S. line at a point 19 lks N of cor to Secs 9. 10. 15. and 16. from which cor I am N. 89° 52' W on a true line
	Return Secs 9 and 16 Va 14° 40' E
39.92	Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep for 1/4 Sec cor
79.85	Cor to Secs 8. 9. 16. and 17. Land rolling Soil 2nd rate.
	N. return Secs 8. and 9 Va 14° 40' E
10. w	Enter Valley
40. w	Built mound of earth 2½ ft

Subdivision of Tp 29. N. R. 40 W.

high from pits 18 x 24 x 18 in deep for 94 sec cor.

45.00 Enter low hills

80.00 Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S. E. pit for cor to Sec 4. 5. 8 and 9.

Land rolling

Soil 2nd rate

There are a few dead pitch pine tree standing on Sec 4. 5. 8. & 9 and many more are down & bedded in the ground or laying on the surface the remains of an ancient forest. A small clump of hackberry on N. E. 94. of N. E. 94 of Sec 8. S. 45° W of cor 10 ch dist.

E. on a random line between Sec 4. and 9.

Va 14°40' E

Subdivision of Tp 29. N. R. 40 West.

40.00 Set temp 94 Sec cor

80.00 Intersect N. and S. line at cor to Sec 3 4. 0. 9 & 10 from which cor I run West on a true line between Sec 4 and 9.

Va 14°40' E.

40.00 Deposit charcoal rain mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor

80.00 Cor to Sec 4. 5. 8. and 9.

Land rolling

Soil 2nd rate.

N. on a random line between Sec 4 and 5

Va 14°40' E

15.00 Enter Valley bear N. W. Extends E 80 Rds

25.00 Enter hills bear N. W.

40.00 Set temporary 94 Sec cor

59.00 enter valley

89.75 Intersect N. boundary of Tp at a point 12. lks E. of cor to Sec 4 & 5 from which cor I run S

Subdivision of Tp 29. N. R. 40. W

S. 0° 05' E on a true line between Secs 4. and 5

Va 14° 40' E.

39.75 Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor

79.75 Cor to Secs 4. 5. 8 and 9.

Land rolling

Soil 2nd rate.

Saturday Oct - 23rd 1880.

From the cor to Secs 31. and 32 on South boundary of Tp I run East between Secs 31. and 32

Va 14° 40' E

3.00 enter valley (W. side)

40.00 Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor.

50.00 leave valley enter hill

50.00 Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18

Subdivision of Tp 29. N. R. 40. W

in deep set - and cedar stake 2 x 2 x 30 in in S.E. pit - for cor to Secs 29. 30. 31. and 32

Land gently rolling

Soil 1st rate

E. on a random line between Secs 29. and 32.

Va 14° 40' E.

40.00 Set temporary ¼ Sec cor

50.00 intersect N. & S. line at cor to Secs 28. 29. 32. and 33. from which cor I run W. on a true line between Secs 29. and 32.

Va 14° 40' E

40.00 Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor

50.00 cor to Secs 29. 30. 31. and 32

Land rolling

Soil 2nd rate.

Subdivision of Tp. 29. N. R. 40. West.

West on a random line between Secs 30 and 31.

Va 14° 40' E

40.00 Set temporary ¼ Sec cor

79.50 Intersect West boundary of Tp at a point 9 chs S of the cor to Secs 30. & 31 from which cor I run

S 89° 56 E on a true line between Secs 30. and 31.

Va 14° 40' E

39.50 Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor

79.50 Cor to Secs 30. 31. 25. and 29.

Land rough

Soil 3rd rate.

Subdivision of Tp. 29. N. R. 40. West.

N. between Secs 29. and 30

Va 14° 40' E

10.00 Enter Valley

24.00 Enter hills

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec Cor.

50.00 Deposit charcoal varn mound of Earth 3 ft high from pits 18 x 24 x 18 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to ~~Secs~~ Secs 19, 20, 29. and 30.

Land rolling

Soil 2nd rate.

E. on a random line between Secs 29. and 20.

Va 14° 40' E

40.00 Set Cor ¼ Sec cor

50.15 Intersect N. & S. line at cor to Secs 20. 21, 28. & 29 from which cor I run W. on a true line

Subdivision of Twp 29. R. 40. west.

	Between Secs 20 and 29
	Va 14° 40' E
40.07	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor.
80.15	Cor to Secs 19, 20, 29, and 30.
	Land rough
	Soil 3rd rate.
	West on a random line between Secs 19, and 30.
	Va 14° 40' E.
40.00	Set temporary ¼ Sec cor
79.53	Intersect West boundary of Twp at a point 10 lks South of cor to Secs 19 & 30 from which cor I run E
	S 89° 56' E on a true line between Secs 19 & 30
	Va 14° 40' E
39.53	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in

Subdivision of Twp 29. N. R. 40. west.

	deep for ¼ Sec Cor
79.53	Cor to Secs 19, 20, 29, and 30
	Land rolling
	Soil 2nd rate.
	N. between Secs 19 and 20.
	Va 14° 40' E
20.00	Enter Valley run E & W
34.00	Enter low bluff E & W
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor
80.00	Deposit charcoal iron mound of earth 3 ft high from pits 18 x 24 x 18 in deep for set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 17, 18, 19, and 20
	Land rolling
	Soil 2nd rate.

Subdivision of Tp 29. N. Range 40. W.

E. on a random line between Sec 17. and 20.

Va 14° 40' E

40. w Set 1/4 Sec cor

80. w Intersect N. and S. line at a point 15 lks N. of cor to Secs 16. 17. 20 and 21. from which cor I run

N. 89° 53' W on a true line between Secs 17. and 20

Va 14° 40' E

40. w Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor.

80. w Cor to Secs 17. 18. 19. and 20

Land rolling

Soil 2nd rate.

Monday Oct 25th 1880.

Subdivision of Tp 29. N. R. 40. West.

West on a random line between Secs 18. and 19.

Va 14° 40' E

40. w Set 1/4 Sec cor

79.56 Intersect West boundary of Tp at a point 20 lks N. of cor to Secs 18. and 19. from which cor I run

N. 89° 51' E on a true line between Secs 18. and 19

Va 14° 40' E

39.56 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor

79.56 Cor to Secs 17. 18. 19. 20

Land rolling

Soil 2nd rate.

N. between Secs 17. and 18

Va 14° 40' E

25. w Enter Valley

32. w Enter hills

Subdivision of Tp. 29. N. R. 40. W.

40.00	Built mound of earth 2½ ft high from pits 18x24x18 in deep for ¼ Sec cor
80.00	Dug pitch charcoal raised mound of earth 3 ft high from pits 18x24x18 in deep set red cedar stake 2x2x30 in in S.E. pit for cor to sec 7. 8. 17. and 18.
	Land rolling
	Soil 2nd rate.
	E. on a random line between Sec 8. and 17.
	Va 14°40' E
40.00	Set line ¼ Sec cor
80.05	Intersected N. & S. line at a point 12 lks N. of cor to sec 8. 9. 16. 17 from which cor d run
	N. 89°55' W on a true line between Sec 8 and 17.
	Va 14°40' E

Subdivision of Tp. 29. N. R. 40 W.

40.04	Built mound of earth 2½ ft high from pits 18x24x18 in deep for ¼ sec cor
80.08	cor to sec 7. 8. 17. 18.
	Land rolling
	Soil 2nd rate
	West on a random line between Sec 7. and 18.
	Va 14°40' E
40.00	Set temporary ¼ sec cor
79.50	Intersected West boundary of Tp at a point 25 lks N. of cor to sec 7 and 18 from which cor I am
	N. 89°49' E on a true line between Sec 7. and 18
	Va 14°40' E
39.50	Built mound of earth 2½ ft high from pits 18x24x18 in deep for ¼ sec cor

Subdivision of Tp 29. N. R. 40. W.

79.50 Cor to Secs 7. 8. 17. and 18.
Land rolling
Soil 2nd rate.

N. between Secs 7. and 8.
Va 14° 40' E.

10. W Enter Valley run E and W

40. W Built mound of earth 2½ ft high from pits 18 X 24 X 18 in deep for 1/4 Sec cor

48. W Enter low hills run N. & W.

80. W Deposited charcoal rain mound of earth 3 ft high from pits 18 X 24 X 18 in deep set-red cedar stake 2 X 2 X 30 in in S.E. pit for cor to Secs 5. 6. 7. and 8.
Land rolling
Soil 2nd rate.

Subdivision of Tp 29. N. R. 40 W

E. on a random line between Secs 8. and 5.
Va 14° 40' E

40. W Set temporary 1/4 Sec cor

80. 16 Intersected N. & S. line at a point 20 lks N. of cor to Secs 4. 5. 8. & 9. from which cor I run

N. 89° 51' W. on a true line

40. 05 Built mound of earth 2½ ft high from pits 18 X 24 X 18 in deep for 1/4 Sec cor

80. 16 Deposited charcoal rain mound of earth 3 ft high from pits 18 X 24 X 18 in deep set-red cedar stake 2 X 2 X 30 in in S.E. pit for cor to Secs 5. 6. 7. & 8.
Land rolling
Soil 2nd rate.

Subdivision of Tp 29. N. R. 40. W.

W. on a random line between Sec 5 and 7.
Va 14° 40' E

9.00	Enter E. end of Valley
40.00	Set temporary 1/4 Sec cor
70.00	leave Valley enter hills
79.40	Intersect West boundary of Tp at a point 25 lks N. of cor to Secs 5. and 7. from which cor I am

N. 89° 49' E on a true line between Secs 6 and 7.
Va 14° 40' E.

39.40	Built mound of earth 2½ ft high from pits 18 x 24 x 15 in depth for 1/4 Sec cor.
79.40.	cor to Secs 5. 6. 7 and 8.

Land rolling
Soil 2nd rate.

Subdivision of Tp 29. N. R. 40 W.

N. on a random line between Secs 5 and 6.
Va 14° 40' E

40.00	Set Temporary 1/4 Sec cor
68.00	Enter Valley
70.00	Enter marsh mm E. 3 ch W. 5 ch
76.00	leave marsh
79.00	leave Valley
79.65	Intersect N. boundary of Tp at a point 10 lks E of cor to Secs 5 and 6 from which cor I am

S 0° 04' E on a true line between Secs 5 and 6.
Va 14° 40' E

39.65	Built mound of earth 2½ ft high from pits 18 x 24 x 15 in depth for 1/4 Sec cor
79.65	cor to Secs 5. 6. 7. and 8.

Land rolling
Soil 2nd rate.

Tuesday Oct 26th 1880.

Township 29. N. R. 40. W.

General Description.

This Township contains a large amount of farming land. Good water can be obtained in the Valleys at a depth of 10 ft. There is but little timber in the Township mostly hackberry. on Sec 4. 5. 8 and 9. there are standing a few dead pitch pine trees & many more are on the ground the remains of an ancient grove. there is no stone in the township. & no way of irrigation except by Artesian wells

We hereby certify that we assisted W. T. Richardson United States Deputy Surveyor in Surveying and Subdividing Township No 29 N. of the Base Line and Range No 40 W. of the 6th P.M. in Nebraska and that said Township has been in all respects to the best of our knowledge and belief faithfully surveyed and the boundary monuments planted according to the instructions furnished by the Surveyor General of dimension, character construction and marking. and in the manner specially described in the foregoing field Notes.

W B Gring Chainman
Albert Stafford Chainman
G M Perry Moundman
W. S. Cameron Flagman.

Subscribed and sworn to before me this 7th day of March 1881

Horace Garfield
Notary Public

I, W. T. Richardson United States Deputy Surveyor, do solemnly swear that I have in my own proper person with the necessary assistance well truly and faithfully executed the subdivisional & retracement Survey of Township No 29 North of the Base line of Range No 40 West of the 6th P.M. in Nebraska under my contract No 117 with George L. Smith United States Surveyor General for the District of Nebraska and Iowa bearing date of August 12th 1880. That in making said Survey I have used only such instruments as were approved by the Surveyor General exercising due care in the preservation of the adjustment of the same. that I have in all respects complied with the laws of the United States governing public land Surveys, the Surveying Manual and such additional instructions as were furnished me by and through the said Surveyor General relating to the aforesaid survey. that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws & instructions above mentioned that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions and that the annexed field notes are the original true and correct return of the said Survey.

W T. Richardson

Deputy Surveyor.

Subscribed and sworn to before me this 7th day of March 1881

Horace Garfield

Notary Public

Surveyor General's Office
Plattsmouth Neb. June 18th 1881

The forgoing field notes of the retracement of boundaries and Survey and Subdivision of Township No. 29 North of the Base Line of Range No. 40 West of the 6th P. M. in Nebraska Executed by W. J. Richards one U. S. Deputy Surveyor under his Contract No. 117 dated August 17th 1880.

In the month of Oct. 1880 having been critically examined the necessary corrections and explanations made, the said field notes and the Surveys they describe are hereby approved.

Geo. A. Smith
Surveyor General

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

Township 30. N. Range 40. W.

Field Notes

of the survey & subdivision of Township 30. North of the Base line of Range 40. west of the 6th P.M. in Nebraska Executed by W. T. Richardson U. S. Deputy Surveyor under his contract No 117. dated August 12th 1850

Survey commenced Oct 27th 1850

Survey completed Nov 3rd 1850

Name of Assistants.

W. B. Young	Chainman
Albert Stafford	Chainman
W. S. Cammann	Flagman
G. M. Perry	Mounduman.

Township 30. N. R. 40 W.

The survey of the Township was executed with a light-mountain Transit made by W. & L. E. Gurley Troy N.Y. No Number to be found on the instrument. Instrument thoroughly tested found to be in good condition & approved by the Surveyor General before entering the field.

Instrument tested at the corner Secs 35 and 36 by observation of Polaris at its upper meridian passage. instrument used a light-mountain Transit made by W. and L. E. Gurley Troy N. Y. no No to be found on the instrument in good condition the needle made an angle of 14°22' with the meridian so obtained Oct 27. 1850 10h: 50m P. M. civil Time

East

Subdivision of Tp 30 North Range 40 West

To determine the proper adjustment of my instrument for subdividing this Township I commence at the ~~I run N. from the~~ cor to Tps 29 and 30 N. R 39 and 40 W. and run north on a blank line along the East boundary of Sec 36.

Va 14° 40' E.

40.00 To 1/4 Sec cor

80.00 To cor to Secs 30. 31. 25 and 36.

My instrument is therefore in properly adjusted for the subdivision of this Township.

From the cor to Secs 35 and 36 on S. boundary of Tp ~~30. N. R. 40. W~~ I run N. between Secs 35 and 36

Va 14° 40' E.

1.00 Enter Valley

12.00 Leave Valley enter low hills

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor.

80.00 Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24

Subdivision of Tp 30. N. Range 40. W.

x 18 in deep set rod cedar stake 2 x 2 x 30 in S. E. pit for cor to Secs 35. 31. 25 and 26.

Land rolling

Soil 2nd rate.

E. on a random line between Secs 25 and 36.

Va 14° 40' E.

40.00 Set Temporary 1/4 Sec cor

79.90 Intersect E. boundary of Tp at a point 16 lks N. of the cor to Secs 25 and 36 from which cor I run

N 89° 53' W on a true line between Secs 25 and 36

Va 14° 40' E

39.95 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor

79.90 Cor to Secs 25. 26. 35. and 36

Land rolling

Soil 2nd rate.

N. between Secs 25 and 26.
Va 14° 40' E.

40.00 Deposited charcoal rain mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ Sec cor.

50.00 Deposited charcoal rain mound of earth 3 ft high from pits 18 x 24 x 15 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 24. 23. 25 and 26.

Land rolling
Soil 2nd rate.

E. on a random line between Secs 24 and 25
Va 14° 40' E

40.00 Set Temporary ¼ Sec cor

79.95 Intersected Tp line at cor to Secs 24 and 25 from which cor I run W. on a true line between Secs 24. & 25

Va 14° 40' E

39.77½ Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ Sec cor.

79.95 cor to Secs 23. 24. 25 and 26

Land rolling
Soil 2nd rate.

N. between Secs 23. and 24
Va 14° 40' E.

34.25 Top of bluff on S side of Snake River a small grove of cedar. hackberry & ash on S. bank

35.20 Snake River

40.00 Deposited Built mound of earth 2½ ft high from pits 18 x 24 x 15 in deep for ¼ Sec cor

44.00 enter low hills

80.00 Deposited charcoal rain mound of earth 3 ft high from pits 18 x 24 x 15 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 13. 14. 23. 24

Land rolling
Soil 2nd rate

Subdivision of Tp. 30. N. R. 41. West

E on a random line between Secs 13 and 24.

Va 14° 40' E

40.00 Set temporary 1/4 Sec cor

80.25 Intersect E. boundary of Tp at a point 10 lks South of cor to Secs 13 and 24. from which cor I run

S 89° 58' W on a true line between Secs 13 and 24

Va 14° 40' E

40.12½ Built mound of earth 2½ ft high from pits 18 x 24 x 18 in depth for 1/4 Sec cor

80.25 Cor to Secs 13. 24. 14. and 23.

R. between Secs 13 and 14

Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in depth for 1/4 Sec cor

80.00 Deposit charcoal ravi mound of earth 3 ft high from pits 18 x 24 x 18

Subdivision of Tp. 30. N. R. 40. W

in depth set and cedar stake 2 x 2 x 30 in in S. E pit for cor to Secs 11. 12. 13. and 14.

Land rolling

Soil 2nd rate.

East on a random line between Secs 12 and 13

Va 14° 40' E

40.00 Set temp 1/4 Sec cor

80.12 Intersect E. boundary of Tp at a point 10 lks S. of cor to Secs 12. and 13 from which cor I run

S 89° 58' W on a true line between Secs 12 and 13

Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in depth for 1/4 Sec cor. ✓

80.12 Cor to Secs 11. 12. 13. and 14

Land rolling

Soil 2nd rate.

Subdivision of Tp 30. N. R 40. W.

N. between Sec 11. and 12
Va 14° 40' E

40. w Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor

80. w Raised mound of earth 2½ ft high from pits 18 x 24 x 18 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 1. 2. 11. & 12
Land gently rolling
Soil 2nd rate

E. on a random line between Secs 1 and 12.
Va 14° 40' E

40. w Set line ¼ Sec cor

80. 08 Intersect E. boundary of Tp at a point 12 chs N. of cor to Secs 1 & 12. from which cor I run
N. 89° 55' W on a true line between Secs 1 & 12.
Va 14° 40' E

Subdivision of Tp 30. N. R. 40. West

40. 04 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor.

80. 08 cor to Secs 1. 2. 11. 12.
Land gently rolling
Soil 2nd rate

N. on a random line bet Secs 1 & 2
Va 14° 40' E

40. w Set temporary ¼ Sec cor.

79. 86 Intersect N. boundary of Tp at a point 18 chs West of cor to Secs 1 & 2. from which cor I run
S. 0° 07' West on a true line between Secs 1 & 2.
Va 14° 40' E.

39. 86 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor

79. 86 cor to Secs 1. 2. 11. & 12.
Land gently rolling
Soil 2nd rate.

Thursday Oct 25. 1860.

Subdivision of Tp 30. North R 40. West

From the cor to Sec 34 and 35
of S. boundary of Tp I run N. between
Sec 34. and 35
Va 14° 40' E.

24.00	Top of high hill
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.
60.00	foot of high hill
78.50	Enter Valley
80.00	Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar Stake 2 x 2 x 30. in in S.E. pit for cor to Sec 25. 27. 34 and 35.

Land rolling
Soil 2nd rate V

E. on a random line between
Sec 35. and 26
Va 14° 40' E

4.00	leave Valley enter low hills

Subdivision of Tp 30. N. R 40 West

35.00	Enter Valley
40.00	Set temporary 94 Sec cor
80.00	Intersect N. and S. line at a point 20 lks S. of cor to Sec 25. 26. 35 & 36 from which cor I run W

S 89° 51' W. on a true line
between Sec 26. and 35.
Va 14° 40' E

40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor.
80.00	Cor to Sec 26. 27. 34 and 35

Land rolling
Soil 2nd rate

N. between Sec 26 and 27.
Va 14° 40' E

18.00	leave Valley.
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 94 Sec cor
47.00	Enter Valley

Subdivision of Ctp 30. N. R 40. W.

49.50	Enter hills
80.00	Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stath 2 x 2 x 30 in in S.E. pit for cor to Secs 22. 23. 26. and 27
	Land rolling
	Soil 2nd rate.
	E. on a random line between Secs 23 and 26.
	Va 14° 40' E.
40.00	Set temp 1/4 Sec cor
80.00	Intersect N. and S. line at a point 18 lks S. of cor to Secs 23. 24. 25 and 26. from which cor I run
	S 89° 53' W. on a true between Secs 23. and 26.
	Va 14° 40' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor.

Subdivision of Ctp 30. N. R. 40. W.

80.00	Cor to Secs 22. 23. 26. and 27.
	Land rolling
	Soil 2nd rate
	E. on a random line between Secs 23 and 26
	Va 14° 40' E
40.00	Set temp 1/4 Sec cor
	N. between Secs 22 and 23
	Va 14° 40' E
23.00	~~Enter valley~~
33.00	~~Spring branch 3 ft wide~~
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep
34.00	~~Leave valley~~
	for 1/4 Sec cor
59.00	Deserted log ranche 40 rds E. of line N bank S. Ra
60.00	~~Enter valley~~
80.00	Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stath 2 x 2 x 30 in in S.E. pit for cor to Secs

Subdivision of Tp 30 N. R. 40 W

	N. between Sec 22. and 23
	Va 14° 40' E
23.00	Enter Valley
33.00	Spring branch 3 lks wide cum N.E.
34.00	Leave Valley
40.00	Built mound of earth 2½ ft. high from pits 18 x 24 x 18 in deep for ¼ sec cor
59.00	Deserted log ranche on N. bank of Spring branch ~~10~~ 10 Chs E of line
60.00	Snake Valley
63.20	Snake River 30 lks wide
80.00	Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sec 22. 23. 14. and 15.
	Land rolling
	Soil 2nd rate.

Subdivision of Tp 30 N. R 40 West.

	E. on a random line between Sec 14 and 23.
	Va 14° 40' E
40.00	Set temporary ¼ sec cor
40.30	Enter hills
80.20	Intersect N. and S. line at a point 30 lks N. of cor to Sec 13. 14. 23 and 24 from which cor I run
	N. 89° 47' W on a true line between Sec 14. and 23
	Va 14° 40' E
40.10	Built mound of earth 2½ ft. high from pits 18 x 24 x 18 in deep for ¼ sec cor
80.20	Cor to Sec 14. 15. 22. and 23
	Land rolling
	Soil 2nd rate.

	N. between Sec 14 and 15
	Va 14° 40' E
1.00	Enter hills
40.00	Built mound of earth 2½ ft

Subdivision of Twp 30 N. Range 40. W

high from pit 18x24x18 in deep
for 1/4 Sec cor
40. W Enter Valley from N. W. & S. E.
80. W Deposit charcoal varnished mound
of earth 3 ft high from pit 18x24x
18 in deep set and cedar stake
2x2x30 in in S. E. pit for cor
to Sec 10. 11. 14. and 15.
Land rolling
Soil 2nd rate

E. on a random line between
Sec 11. and 14.
Va 14° 40' E
80. W Enter hollow
40. W ~~Built mound of earth 2½ ft high from pit 18x24x18 in deep~~
for 1/4 Sec cor.
80. 05 Entered N. & S line at a point
18 chs N. of cor to Sec 11. 12. 13. & 14
from which cor I run W
N. 89° 52' E on a true line

Subdivision of Twp 30. N. R 40. W

Between Sec 11 and 14
Va 14° 40' E
40. 04 Built mound of earth 2½ ft
high from pit 18x24x18 in deep
for 1/4 Sec cor
80. 08 Cor to Sec 10. 11. 14. 15.
Land rolling
Soil 2nd rate.

N. between Sec 10. and 11.
Va 14° 40' E
40. W Built mound of earth 2½ ft
41. W high from pit 18x24x18 in
deep for 1/4 Sec cor
80. W Deposit charcoal varnished mound
of Earth 3 ft high from pit
18x24x18 in deep set and cedar
stake 2x2x30 in in S. E. pit
for cor to Sec 2. 3. 10. 11.
Land rolling
Soil 2nd rate.

Subdivision of Tp 30 N. R. 40 W

East on a random line between Secs 2 and 11.

Va 14°40' E

40.00 Set Ann 1/4 Sec cor

80.00 Intersect N and S line at a point 11 lks N of cor to Secs 1. 2. 11. 12 from which cor I run

U 89° 55' W on a true line between Secs 2. & 11

Va 14°45' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor.

80.00 Cor to Secs 2. 3. 10 and 11.

Land rolling

Soil 2nd rate.

N between Secs 2 and 3. on random line

Va 14°40' E

40.00 Set temporary 1/4 Sec cor

80.10 Intersect N. boundary of Tp at a point 19 lks west of cor to Secs

Subdivision of Tp 30. N. R. 40. W

2 and 3 from which cor I run

S. 0° 08' W on a true line between Secs 2 and 3.

Va 14°40' E

40.10 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor

80.10 Cor to Secs 2. 3. 10. and 11

Land rolling

Soil 2nd rate.

Friday Oct 29" 1880.

Instrument tested at cor to Secs 33. and 34 on S boundary of Tp by observation of Polaris at its upper meridian Passage. Instrument used a light mountain transit made by W. and L. E. Gurley of Troy N. Y. No No to be found on instrument in good condition the needle made an angle with the meridian as obtained of 14°23' Oct 29" 1880 ~~10h 35~~ 10:42 M. A.M. Civil Tim.

Subdivision of Tp. 30 N. R 40. West

	From the cor to Sec 33 and 34 on S. boundary of Tp. I run N. between Sec 33 and 34
	Va 14° 40' E
4.00	Enter Valley
9.00	Enter West end of marsh
37.00	leave marsh
40.00	Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor
47.00	Enter low hills
80.00	Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sec 33. 34. 27. and 28
	Land rolling
	Soil 2nd rate

E. on a random line bet Sec 27. 3[illegible]

Va 14° 40' E

34.00	Enter Valley
40.00	Set tem ¼ Sec cor.

Subdivision of Tp 30. N. R. 40. West.

79.93	Intersect N. & S line at cor to Sec 26. 27. 34. 35. from which cor I run West on a true line between Sec 34 and 27
	Va 14° 40' E
39.96	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor
79.93	Cor to Sec 33. 34. 27 and 28
	Land rolling
	Soil 2nd rate

N. between Sec 27. and 28.

Va 14° 40' E

35.00	Enter Valley
40.00	Deposit charcoal Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ Sec cor
~~68~~ 58.00	leave Valley
80.00	Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake

Subdivision of Tp 30. N. R 40. West

2x2x30 in in S.E. pit for cor to Sec 21, 22, 27 and 28.

Land rolling

Soil 2nd rate.

E. on a random line between Sec 22 and 27.

Va 14° 40' E

30.00 Enter Valley

40.00 Set term 1/4 Sec cor

55.00 Enter low hills

50.60 Intersect N. & S. line at a point 13 lks N of cor to Sec 22, 23, 26 & 27 from which cor I run

N. 89° 54' W on a true line between Sec 22 & 27.

Va 14° 40' E

40.05 Built mound of earth 2½ ft high from pit 18x24x18 in deep for 1/4 Sec cor.

80.10 Cor to Sec 21, 22, 27 and 28

Land rolling

Soil 2nd rate

Subdivision of Tp 30. N. R 40. West

N. between Sec 21 and 22

Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pit 18x24x18 in deep for cor to Sec 1/4 Sec cor

44.00 Enter Valley

54.00 Enter low hills

80.00 Deposit charcoal raise mound of earth 3 ft high from pit 18x24x18 in deep for cor to Sec 15, 16, 21 & 22

Land rolling

Soil 2nd rate.

E. on a random line between Sec 15 and 22.

Va 14° 40' E

25.00 Enter Snake Valley course S E

37.45 Enter marsh (~~marsh [illegible]~~

38.40 Snake River 20 lks wide

39.40 ~~Enter~~ marsh

40.00 Set term 1/4 Sec cor in Valley

80.20 Intersect N. & S. line at a point

Subdivision of Tp 30. N. R. 40. West

	15 lks N. of cor to Sea 14. 15. 22. 23 from which cor I run N. 89 52' W on a true line bet Sea 15. and 22. Va 14° 40' E
40.10	Built mound of earth 2½ ft high from pile 18 x 24 x 18 in deep for ¼ Sec cor
80.20	Cor to Sea 15. 18. 21. 22. Land mostly Valley Soil 1st rate

N. between Sea 15 and 16.
Va 14° 40' E

11.00	Enter Valley
17.00	Snake River 15 lks wide
20.00	Enter hills
40.00	Built mound of earth 2½ ft high from pile 18 x 24 x 18 in deep for ¼ Sec cor.
80.00	Deposit charcoal raise mound of earth 3 ft high from pile 18 x 24

Subdivision of Tp 30. N. R. 40. West

	x 18 in deep set red cedar slate 2 x 2 x 30 in in S.E. pit for cor to Sea 9. 10. 15 and 16. Land rolling Soil 2nd rate

E. on a random line between Sea 10. and 15.
Va 14° 40' E

40.00	Set term ¼ Sec cor
62.00	Enter Valley from N. & S. F
80.00	Intersect N. & S. line at a point 10 lks N of cor to Sea 10. 11. 14 & 15 from which cor I run N. 89° 56' W on a true line between Sea 10. and 15 Va 14° 40' E
40.00	Built mound of earth 2½ ft high from pile 18 x 24 x 18 in deep for ¼ Sec cor
80.00	Cor to Sea 9. 10. 15 & 16 Land rolling Soil soil 2nd rate

Subdivision of Tp 30. N. R. 40. West

Subdivision of Tp 30. N. R. 40. West

N. between Secs 9 and 10
Va 14° 40' E

40.00 Built mound of earth 2½ ft high from pits 18x24x18 in deep for ¼ sec cor

80.00 Deposited charcoal raise mound of earth 3 ft high from pits 18x24x18 in deep set red cedar stake 2x2x30 in in S. E. pit for cor to Secs 3. 4. 9. and 10.

Land rolling soil
Soil 2nd rate

E. on a random line between Secs 3 and 10
Va 14° 40' E

40.00 Set term ¼ sec cor

80.16 Intersect N. & S. line at a point 23 lks | N. of cor to Secs 2. 3. 10. & 11 from which cor I run
N. 89° 50' W on a true line

between Secs 3 and 10
Va 14° 40' E

Subdivision of Twp 30. N. R 40. W.

40.05 Built mound of earth 2½ ft high from pits 15 x 24 x 15 in deep for ¼ Sec cor

80.15 Cor to Sec 3. 4. 9. and 10

Land rolling

Soil 2nd rate.

N. on a random line between Sec 3 and 4.

Va 14° 40' E

40.00 Set-iron ¼ Sec cor

79.95 Intersect N. boundary of Twp at a point 25 lks W. of cor to Sec 3 and 4 from which cor I am ~~S 79° 49' W~~ S 80° 11' W on a true line between Sec 3 & 4

Va 14° 40' E

89.95 Built mound of earth 2½ ft high from pits 15 x 24 x 15 in deep for ¼ Sec cor

79.95 Cor to Sec 3. 4. 9 and 10.

Land rolling

Soil 2nd rate

Saturday Oct 30th 1880.

Subdivision of Twp 30. N. R. 40. W.

From cor to Sec 32 and 33 on S. boundary of Twp I run N. between Sec 32. and 33.

Va 14° 40' E

8.00 Cross Valley

40.00 Built mound of earth 2½ ft high from pits 15 x 24 x 15 in deep for ¼ Sec cor

57.00 Enter marsh Valley

60.00 Enter E end of marsh

65.00 Leave E end of marsh extends N. 50 Rds

70.34 Enter low hills

80.00 Deposited charcoal rain mound of earth 3 ft. high from pits 15 x 24 x 15 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sec 29. 28. 32. and 33.

Land rolling

Valley 1st rate hills 2nd rate.

Subdivision of Tp 29 N. R 40. W.

E. on a random line between Secs 25 and 33.
Va 14° 40' E

40.00 Set temp ¼ Sec cor

79.92 Intersect N. and South line at cor to Secs 27, 25, 33, and 34. from which cor I run West on a true line between Secs 25 and 33
Va 14° 40' E

39.98 Built mound of earth 2½ ft high from pits 15x24x15 in depth for ¼ Sec cor

79.92 Cor 4 Secs 25, 29, 32, and 33.
Land rough
Soil 3rd rate.

N. between Secs 25 and 29
Va 14° 40' E

40.00 Deposited charcoal iron mound of Earth 2½ ft high from pits 15x24x15 in depth for ¼ Sec cor

50.00 Deposited charcoal iron mound

Subdivision of Tp 30. N. R 40. W

of earth 3 ft high from pits 15x24x15 in depth set and cedar stake 2x2x30 in in S.E. pit for cor to Secs 20, 21, 28 & 29.
Land 1st ¼ mile rough 2nd gently rolling.
Soil 1st 3rd 2nd rate.

E. on a random line between Secs 21 and 28.
Va 14° 40' E.

40.00 Set temporary ¼ Sec cor.

80.20 Intersect N. & S line at a point 20 chs S of cor to Secs 21, 22, 27, 28 from which cor I run
S 89° 51' W on a true line between Secs 21 and 28
Va 14° 40' E

40.10 Built mound of earth 2½ ft high from pits 15x24x15 in depth for ¼ Sec cor.

Subdivision of Tp 30. N. R. 40. W

80.20	Cor to Sec 20. 21, 28 and 29.
	Land rolling
	Soil 2nd rate.
	N. between Sec 20 and 21.
	Va 14° 40' E
30.00	Enter Valley
34.90	Snake River 12 lk wide course N.E.
40.00	Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep for ¼ Sec cor
80.00	Deposit charcoal raise mound of earth 3 ft high from pit 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30. in in S.E. pit for cor to Sec 16. 17. 20. and 21.
	Land rolling
	Soil 2nd rate.

Subdivision of Tp 30. N. R. 40. West

	E. on a random line between Sec 16 & 21
	Va 14° 40' E
34.00	Snake River 10 lk wide
40.00	Set term ¼ Sec cor
50.00	Enter hills
80.30	Intersect N. and S. line at a point 12 lk N. of cor to Sec 15. 16. 21. and 22 from which cor I run
	N 89° 55' W on a true line between Sec 16 and 21.
	Va 14° 40' E
40.15	Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep for ¼ Sec cor
80.30	Cor to Sec 16. 17. 20 and 21.
	Land rolling
	Soil 2nd rate
	N. between Sec 8 and 9.
	Va 14° 40' E
~~26.00~~	~~Enter Valley~~
~~40.00~~	~~Built mound of earth 2½ ft high from pit 18 x 24 x 18 in deep~~

Subdivision of Tp 30 N R. 40. W

for ¼ sec cor
N. between sec 16. and 17.
Va 14° 10' E

10.00 Enter low hills
40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor
80.00 Deposit charcoal rain mound of earth 3 ft high from pits 18 x 24 x 18 in deep for set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to sec 8. 9. 16. and 17.

Land gently rolling
Soil 1st rate.

Subdivision of Tp 30. N. R 40. W

E. on a random line between sec 9 and 16.
Va 14° 40' E

40.00 Set term ¼ sec cor
80.15 Intersect N. and S. line at a point 13 ch N of cor to sec 9. 10. 15 and 16 from which cor I run
N. 89° 54' W. E on a true line between sec 9. and 16.
Va 14° 40' E +
40.07½ Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor.
80.15 Cor to sec 8. 9. 16. and 17.

Land rolling
Soil 2nd rate.

N. between sec 8 and 9
Va 14° 40' E

26.00 Enter Valley
40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep

Subdivision of T. 30. N. R 40. W

for 1/4 sec cor

80.00 Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2 x 2 x 30 in in S.E. pit for cor to Sec 4. 5. 8. and 9.

Land level

Soil 1st rate.

E. on a random line between Sec 4 and 9.

Va 14° 40' E

16.00 Enter low hills

40.00 Set temporary 1/4 sec cor

80.10 Intersect N. & S line at cor to Sec 3. 4. 9. and 10 from which cor I run West on a true line bet. Sec 4 and 9

Va 14° 40' E

40.05 Built mound of earth 2 1/2 ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor

80.10 Cor to Sec 4. 5. 8 and 9.

Subdivision of Tp 30. N. R. 40 W

Land rolling

Soil 2nd rate.

N. on a random line between Sec 4 and 5.

Va 14° 40' E

40.00 Set temp 1/4 sec cor

79.90 Intersect N boundary of Tp at a point 19 lks West of cor to Sec 4 and 5 from which cor I run

S 0° 08' W on a true line between Sec 4 and 5

Va 14° 40' E

39.90 Built mound of earth 2 1/2 ft high from pits 18 x 24 x 18 in deep for 1/4 sec cor

79.90 Cor to Sec 4. 5. 8 and 9.

Land rolling

Soil 2" rate.

Monday Nov 1st 1880.

Subdivision of Tp 29 N. R 40 W

Instrument tested at cor to Secs 31 and 32. on S. boundary of Tp by observation of Polaris at its upper meridian passage. Instrument used a light mountain transit made by W. and L. E. Gurley Troy N.Y. or No. to be found on the instrument in good condition the needle made an angle of 14°23' with the meridian so obtained

Nov 2nd 1888 10h 30m A.M. Civil time

From the cor to Secs 31 and 32 on S. boundary of Tp I run N. between Secs 31. and 32.

Va 14°40' E

8.00 Enter low hills

40.00 Built mound of earth 2½ ft high from pits 18x24x18 in deep for ¼ Sec cor

80.00 Deposit charcoal raise mound

Subdivision of Tp 29. N. R. 40 W.

of earth 3 ft high from pits 18 x 24 x 18 in deep set red cedar stake 2x2x30 in in S.E. pit for cor to Secs 29. 30. 31. and 32.

Land rough

Soil 3rd rate

E. on a random line between Secs 29 and 32.

Va 14°40' E

40.00 Set temporary ¼ Sec cor

80.16 Intersect N. & S. line at a point 12 lks N of cor to Secs 28. 29. 32. and 33. from which cor I run

N. 89°55' West on a true line between Secs 29. and 32.

Va 14°40' E

40.08 Built mound of earth 2½ ft high from pits 18x24x18 in deep for ¼ Sec cor

80.16 Cor to Secs 29 30. 31. 32.

Subdivision of Tp 30. N. R. 40 W.

Land rough
Soil 3rd rate.

W. on a random line between
Sec 30 and 31.
Va 14° 40' E

40.00 Set temporary 1/4 sec cor
60.00 [illegible] high hills
80.10 Intersect W. boundary of Tp at
cor to sec 30 and 31 from which
cor I run E on a true line between
Sec 30. and 31
Va 14° 40' E

40.10 Built mound of earth 2½ ft
high from pit 18x24x18 in
deep for 1/4 sec cor
80.10 Cor to sec 29. 30. 31. 32.
Land rolling
Soil 2nd rate.

Subdivision of Tp 30. N. R. 40 W.

N. between Sec 29. and 30.
Va 14° 40' E

16.00 Enter Valley.
40.00 Built mound of earth 2½ ft
high from pit 18x24x18 in deep
for 1/4 Sec cor.
55.00 Snake River (dry.)
75.50 Enter low hills
80.00 Deposit charcoal raise mound
of earth 3 ft high from pit 18x24x18
in deep set red cedar stake 2x2
x30 in in S. E. pit for cor to sec
19. 20. 29. and 30.
Land mostly level
Soil 1st rate.

E. on a random line between
Sec 29. and 20
Va 14° 40' E

6.00 Snake Valley bears N. E
27.90 Snake River 10 ft wide Plenty of
water.

Subdivision of Tp 30 N. R. 40 W

40.00	Set temporary 1/4 Sec cor
79.75	Intersect N. & S. line at a point 15 lks N. of cor to Secs 20. 21. 28 & 29 from which cor I am
	N. 89° 52' W on a true line between Secs 29 & 30
	Va 14° 40' E
39.85	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor
79.75	Cor to Secs 19. 20. 29. 30.
	Land rolling
	Soil 2nd rate

	W. on a random line between Secs 19 and 30
	Va 14° 40' E
12.00	Enter Valley
40.00	Set temporary 1/4 Sec cor on North side of marsh. Marsh extends West 10 chains East 20 chains & S. 10 chains

Subdivision of Tp 30 N. R 40 W

7985 ~~79.85~~	Intersect West boundary of Tp at cor to Secs 19 and 30. from which cor I am E on a true line between Secs 19 and 30
	Va 14° 40' E
39.85	Build mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor
79.85	Cor to Secs 19. 20. 29 and 30
	Land rolling
	Soil 2nd rate

	N. between Secs 19 and 20
	Va 14° 40' E
35.00	Leave ~~Enter~~ low hills
40.00	Deposit charcoal rain mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for 1/4 Sec cor
50.00	Enter marsh
55.00	Leave marsh enter hills
80.00	Deposit charcoal rain mound of earth 2½ ft high from pits 18 x 24 x

Subdivision of Tp 30. N. R. 40. W.

18 in deep set red cedar slate 2x2x30 in in S.E. pit for cor to Sec 17. 18. 19. and 20.

Land rolling

Soil 2nd rate

E. on a random line between Sec 17 and 20

Va 14° 40' E

18.28 Enter Valley

28.00 Leave Valley

40.00 Set temporary 1/4 sec cor

70.00 Enter Valley

79.85 ~~Ck Intersect W. boundary of Tp at a~~

79.85 Intersect N. & S. line at a point 19 lks N. of cor to Sec 16. 17. 20 & 21 from which cor I run

N 89° 52' W on a true line between Sec 17. and 20

Va 14° 40' E

39.92 Built mound of earth 2½ ft

Subdivision of Tp 30. N. R. 40. W.

high from pits 18x24x18 in deep for 1/4 sec cor

79.85 Cor to Sec 17. 18. 19. and 20

Land rolling

Soil 2nd rate

West on a random line between Sec 18 and 19.

Va 14° 40' E

40.00 Set temporary 1/4 sec cor

79.40 Intersect West boundary of Township at a point 12 lks N of cor to Sec 18 and 19. from which cor I run

N. 89° 55' E on a true line between Sec 18 and 19

Va 14° 40' E.

39.40 Built mound of earth 2½ ft high from pits 18x24x18 in deep for 1/4 sec cor

79.40 Cor to Sec 19. 18. 17. 20

Land rolling

Tuesday Nov 2nd 1880 Soil 2nd rate

Subdivision of Twp 30. N. R. 40 W

	N. between Secs 17 and 18.
	Va 14° 40' E
22. W	Enter Valley E & W
30. W	Enter hills
40. W	Built mound of earth 2½ ft. high from pits 18 x 24 x 18 in deep for ¼ Sec cor
50. W	Deposited charcoal raise mound of earth 3 ft. high from pits 18 x 24 x 18 in deep set and cedar stake 2 x 2 x 30 in in S.E. pit for cor to Secs 7. 8. 17. and 18
	Land rolling
	Soil 2nd rate

	E. on a random line between
	Secs 8. and 17.
	Va 14° 40' E
40. W	Set temporary ¼ Sec cor
60. W	Enter Valley bear N. & S.
75. W	leave Valley " "
79.82	Intersect N. and S. line at a

Subdivision of Twp 30. N. R. 40. W

	point 20 chs N. of cor to Secs
	8. 9. 16. and 17. from which cor
	I mon. bears a true
	N. 89° 51' W on a true line
	between Secs 8. and 17.
	Va 14° 40' E
39.91	Built mound of earth 2½ ft. high from pits 18 x 24 x 18 in deep for ¼ Sec cor
79.82	cor to Secs 7. 8. 17. and 18.
	Land level
	Soil 1st rate

	W. on a random line between
	Secs 7. and 18
	Va 14° 40' E.
40. W	Set temporary ¼ Sec cor
79.20	Intersect W. boundary of Twp. at a
	point 10 chs N. of cor to Secs
	7 and 18 from which cor I mon
	N. 89° 56' E on a true line
	between Secs 7. and 18

Subdivision of Twp. 30. N. R. 40. W.

Va 14° 40' E

39.20 Built mound of earth 2½ ft. high from pits 18x24x18 in deep for ¼ sec cor

79.20 Cor to Secs 7. 8. 17. and 18

Land level

Soil 1st rate

N. between Secs 7. and 8.

Va 14° 40' E

40.00 Built mound of earth 2½ ft. high from pits 18x24x18 in deep for ¼ sec cor

80.00 Deposit charcoal rare mound of earth 3 ft. high from pits 18x24x18 in deep set red cedar stake 2x2x30 in in S.E. pit for cor to Secs 5. 6. 7. and 8

Land gently rolling

Soil 1st rate

Subdivision of Twp. 30. N. Range 40. W.

E. on a random line between Secs 5. and 8.

Va 14° 40' E

40.00 Set temporary ¼ sec cor

80.15 Intersect N. and S. line at a point 15 chs N. of cor to Secs 4. 5. 8. and 9. from which cor I run

N 89° 54' E on a line between Sections Secs 5. and 8.

Va 14° 40' E

40.07½ Built mound of earth 2½ ft. high from pits 18x24x18 in deep for ¼ sec cor

80.15 Cor to Secs 5. 6. 7. and 8

Land rolling

Soil 2nd rate.

West on a random line between Secs 6. and 7.

Va 14° 40' E

40.00 Set temporary ¼ sec cor

Subdivision of Tp 30. N. R 40 W

78.95	Intersect West boundary of Tp at a point 14 lks N of cor to Secs 6. and 7. from which cor I run
	N 89° 54' E on a true line between Secs 6 and 7.
	Va 14° 40' E.
38.95	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor.
78.95	Cor to Secs 5. 6. 7. and 8.
	Land gently rolling
	Soil 2nd rate.
	N. on a random line between Secs 5 and 6.
	Va 14° 40' E.
40.00	Set temporary ¼ sec cor
79.83	Intersect N boundary of Tp at a point 5 lks East of cor to Secs 5 and 6 from which cor I run

Subdivision of Tp 30. N. R. 40. W

	S 0° 02' E on a true line between Secs 5 and 6
	Va 14° 40' E
39.83	Built mound of earth 2½ ft high from pits 18 x 24 x 18 in deep for ¼ sec cor
79.83	Cor to Secs 5. 6. 7. and 8
	Land gently rolling
	Soil 2nd rate.
	Nov. 3rd 1880.

Township 30. N. Range 40. W.

General description

About one half of the land of the Township is good farming land there is very little timber & no stone in the Township. There are several good springs of water along Snake River I discovered no signs of coal or minerals of any kind Good water can be obtained at a depth of 10 ft in the Valleys No way of irrigation except by Artesian wells

Township 30. N. R. 40 W.

We hereby certify that we assisted W. T. Richardson United States Deputy Surveyor in Surveying and Subdividing Township No 30 North of the Base Line of Range No 40. West of the 6th P.M. in Nebraska and that said Township has been in all respects to the best of our knowledge and belief faithfully surveyed and the boundary monuments planted according to the instructions furnished by the Surveyor General, of dimension character, construction and marking and in the manner specially described in the foregoing field notes.

W. B. Gring Chainmen
L. C. Stafford Chainmen
G. M. Perry Moundman
W. S. Cameron Flagman

Subscribed and sworn to before me this 7th day of March 1881
Horace Garfield
Notary Public

Township 30. N. R. 40. West

I. W. T. Richardson United States Deputy Surveyor do solemnly swear that I have in my own proper person, with the necessary assistance, well truly and faithfully executed the subdivisional survey of Township 30. N. of R. 40 W in Nebraska under my contract No 11 with George S. Smith United States Surveyor General for the district of Nebraska and Iowa, bearing date of August 12th 1880 that in said survey I have used only such instruments as were approved by the said Surveyor general exercising due care in the preservation of adjustments of the same. that in using the solar compass I have at no time projected established lines depending for alignment upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public land surveys, the surveying manual and such additional instructions as have been furnished me by and through the said Surveyor general relating to the aforesaid survey. that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned; that to the best of my knowledge and belief all assistants so employed have diligently obeyed the aforesaid laws and instructions and that the annexed field notes are an the original true and correct returns of the said survey.

W. T. Richardson
Deputy Surveyor

Subscribed and sworn to before me this 7th day of March 1881
Horace Garfield
Notary Public

Surveyor General Office
Plattsmouth Neb. June 18th 1881

The foregoing field notes of the retracement of boundaries and Survey's and Subdivision of Township No. 30 North of the Base Line of Range No. 40 West of the 6th P. M. in Nebraska.
Executed by W. J. Richardson U. S. Deputy Surveyor under his Contract No. 117 dated Aug. 12th 1880. In the months of Oct. and November 1880.
Having been critically examined the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved.

Geo. S. Smith
Surveyor General

Charlie W. Dakin, Deputy Surveyor.

T. 31 **North R.** 40 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 31 North Range 40 West

6th Principal Meridian.

BY

Charlie W. Dakin Deputy Surveyor.

Under his Contract of Feb. 2, 1882.

Survey Commenced Oct. 28, 1882,

Survey Completed Oct. 31, 1882.

Platted,

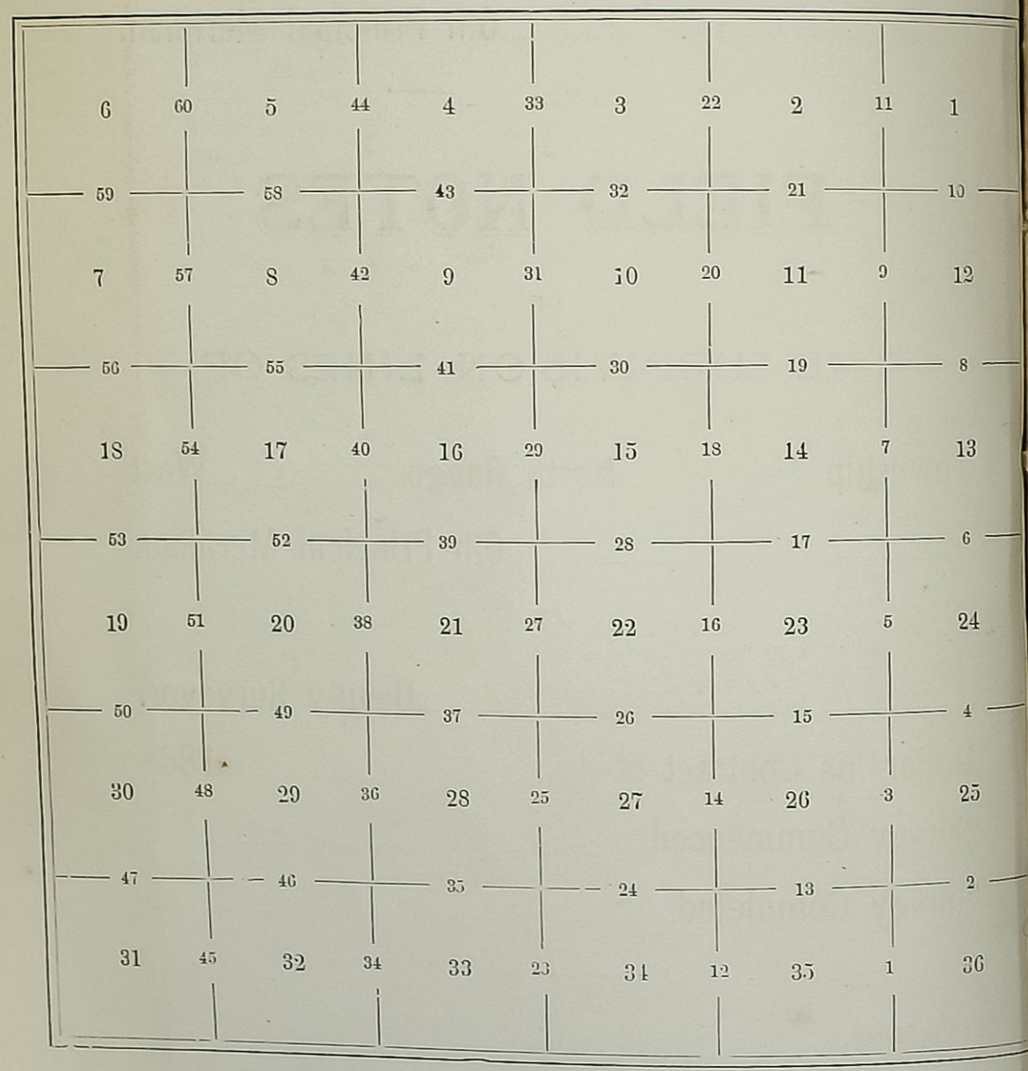
Copied for Washington,

Copied for Register,

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

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

..... 6th Principal Meridian.



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

..... 6th Principal Meridian.

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

..... 6th Principal Meridian.

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

..... 6th Principal Meridian.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by John Roach *of* San Francisco, California *in* 1881.

Township 31 North Range 40 West

(See previous page.) 6th Principal Meridian.

Chains	
	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36.
	Variation 15° 30′ East.
	Over rolling land.
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.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
73.00	*Top of Spur, bears* N. W. *and* S. E., *and descend.*
80.00	*Set a* Sand *stone* 9 x 8 x 6 *ins.* 6 *ins. in the ground for Cor. to Secs.* 25-26-35-36 *marked with* / *notch on S. and* / *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 rolling.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 15° 30′ East.
10.00	*Enter Flat bears* N. W. *and* S. E.
40.00	*Set temporary* ¼ *Sec. Cor.*
43.00	*Leave Flat bears* N. *and* S. *and ascend gradually.*
64.00	*Top of Spur, bears* N. E. *and* S. W., *and descend.*
80.09	*Intersect* E. B. *of Tp.* 10 *lks.* South *of cor. to secs.* 25-36-31-36, *from which corner, I run* S. 89° 56′ W., *on a true line, between sections* 25-36,
	Variation 15° 30′ *East.*
40.05	*Set a* Sand *stone* 9 x 9 x 6 *ins.,* 6 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.09	*The corner to sections* 25-26-35-36.
	Land level. & rolling.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 25 and 26. Variation 15° 30′ East.
4.00	Enter Flat bears E. and W.
10.00	Cross low Sag
27.00	Leave Flat bears N. W. and S. E., and ascend.
40.00	Set a Sand stone 14 x 14 x 6 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.
47.00	Top of Spur, bears E. and W. and descend.
68.00	Cross low Sag and ascend.
80.00	Set a Sand stone 16 x 8 x 6 ins. 11 ins. in the ground for Cor. to Secs. 23-24-25-26 marked with 2 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25. Variation 15° 45′ East.
	Ascend.
35.00	Top of Ridge, bears N. 30° E. & S. 30° W. and descend.
40.00	Set temporary ¼ Sec. Cor.
48.00	Cross low Sag and ascend.
79.84	Intersect E. B. of Tp. 26 lks South of cor. to secs. 19-24-25-30 from which corner, I run S. 89° 49′ W. on a true line, between sections 24-25. Variation 15° 45′ East.
39.92	Set a Sand stone 12 x 12 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.84	The corner to sections 23-24-25-26,

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Chains	
	North, between Sections 23 and 24.
	Variation 15°45′ East.
	Ascend.
29.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
37.00	*Cross low Sag 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.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
54.00	*Top of Spur, bears* N.20°W. & S.20°E., *and descend.*
68.00	*Cross low Sag, and ascend.*
80.00	*Set a* Sand *stone* 12 x 10 x 6 *ins.* 8 *ins. in the ground for Cor. to Secs.* 13-14-23-24 *marked with* 3 *notches on S. and* 1 *notch on E. edges, dug pits* 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, Bunchgrass.

Chains	
	East, on a random line between Sections 13 and 24.
	Variation 15°50′ East.
	Ascend.
2.00	*Top of Spur, bears* N. and S., *and descend.*
20.40	*Cross low Sag and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
58.60	*Top of Spur, bears* N. and S., *and descend.*
79.96	*Intersect* E., *B. of Tp.* 11 *lks* North *of cor. to secs.* 13, 18, 19, 24, *from which corner, I run* N.89°55′W. *on a true line, between sections* 13-24.
	Variation 15°50′ *East.*
39.98	*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.*
79.96	*The corner to sections* 13-14-23-24.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 13 and 14.
	Variation 15° 50′ East.
	Ascend.
40.00	*Top of Spur, bears* E. and W. *and descend.*
27.00	*Cross Wash,* 40 *lks. wide, Course* S. E. *and ascend.*
40.00	*Set a* Sand *stone* 14 x 8 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.*
55.00	*Top of Spur, bears* E. and W. *and descend*
60.00	*Enter Flat bears,* N. 70° W. and S. 70° E.
80.00	*Set a* Lime *stone* 10 x 10 x 8 *ins.* 7 *ins. in the ground for Cor. to Secs.* 11-12-13-14 *marked with* 4 *notches on S. and* 1 *notch on E. edges, dug pits* 18 x 18 x 12 *ins. in each Sec.,* 5½ *ft. dist. and raised a mound of earth* 2 *ft. high,* 4½ *ft. base.*
	Land 60.00 chs. *mountainous.* and 20.00 chains level.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 12 and 13.
	Variation 15° 50′ East.
	Over level land
40.00	*Set temporary* ¼ *Sec. Cor.*
70.40	*Cross Road, bears* N. W. and S. E.
79.79	*Intersect* E. *B. of Tp.* 44 *lks. North of cor. to secs.* 7-12-13-18 *from which corner, I run* N. 89° 41′ W. *on a true line, between sections* 12-13
	Variation 15° 50′ *East.*
39.90	*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.*
79.79	*The corner to sections* 11-12-13-14.
	Land **level.**
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains

North, between Sections 11 and 12.

Variation 15°50' East.

Over level land

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.

67.55 Cross Road, bears N. 40° W. and S. 40° E.

80.00 Set a Sand stone 10 x 8 x 6 ins. 7 ins. in the ground for Cor. to Secs. 1-2-11-12, marked with 5 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 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, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains

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

Variation 15°45' East.

Over level land

40.00 Set temporary ¼ Sec. Cor.

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

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

80.03 Intersect E. B. of Tp. 10 lks. North, of cor. to secs. 1-6-7-12, from which corner, I run N. 89°56' W., on a true line, between sections 1-12

Variation 15°45' East.

40.02 Set a Sand stone 11 x 8 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.

80.03 The corner to sections 1-2-11-12.

Land 59.00 Chs. level. & 21.03 Chs. mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, on a random line between Sections 1 and 2. Variation 15° 45' East.
	Over level land
1.00	Leave Flat bears E. and W., and ascend.
20.40	Top of Spur, bears N.W. and S.E., and descend.
40.00	Set temporary ¼ Sec. Cor.
62.00	Cross Wash, 40 lks. wide, Course S.E., and ascend.
79.86	Intersect N. B. of Tp. 20 lks West of cor. to secs. 1-2-35-36 from which corner, I run S. 9' W., on a true line, between sections 1—2, Variation 15° 45' East.
39.86	Set a Sand stone 14 x 9 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.
79.86	The corner to sections 1—2—11—12
	Land Rolling & level.
	Soil 3rd rate
	Vegetation, Bunchgrass.

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

C. W. Dakin, Oct. 28, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 14° 55' East.
	Ascend.
22.80	Top of Spur, bears N.W. & S.E., and descend.
30.60	Cross Wash, 80 lks. wide, Course N.W., and ascend.
40.00	Set a Sand stone 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.
68.40	Top of Spur, bears E. and W., and descend.
80.00	Set a Sand stone 14 x 9 x 9 ins. 9 ins. in the ground for Cor. to Secs. 26-27-34-35 marked with 1 notch on S. and 2 notches on E. edges. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 15° 15' East.
	Ascend.
4.00	Top of Spur, bears N. 70° E. & S. 70° W. and descend.
24.80	Cross Wash, 100 lks. wide, Course N.E., and ascend.
40.00	Set temporary ¼ Sec. Cor.
70.00	Top of Spur, bears N.W. & S.E., and descend.
79.96	Intersect N. & S. line, 27 lks North of cor. to secs. 25-26-35-36, from which corner, I run N. 89° 48' W. on a true line between sections 26-35
	Variation 15° 15' East
39.98	Set a Sand stone 14 x 9 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.96	The corner to sections 26-27-34-35,
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 26 and 27. Variation 15° 15' East.
	Ascend.
4.00	Top of Spur, bears N. 30° W. & S. 30° E. and descend.
13.00	Cross Wash, 50 lks. wide, Course N. 40° 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.
43.00	Top of Spur, bears N.W. & S.E., and descend.
74.00	Cross Wash, 100 lks. wide, Course N.W. and ascend.
80.00	Set a Sand stone 12 x 10 x 8 ins. 8 ins. in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 23 and 26. Variation 15° 25′ East.
	Ascend.
10.00	*Top of Spur, bears* N. and S., *and descend.*
23.00	*Cross Wash,* 45 *lks. wide, Course* S.E., *and ascend.*
40.00	*Set temporary ¼ Sec. Cor.*
58.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
80.15	*Intersect N. & S. line,* 3 *lks.* North *of cor. to secs.* 23-24-25-26, *from which corner, I run* N 89° 54′ W. *on a true line between sections* 23-26,
	Variation 15° 25′ *East*
40.08	*Set a* Sand *stone* 16 x 8 x 6 *ins.,* 11 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
80.15	*The corner to sections* 22-23-26-27.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 22 and 23. Variation 15° 25′ East.
	Over rolling land.
13.00	*Cross Wash,* 50 *lks. wide, Course* N.39° E., *and ascend.*
23.00	*Top of Spur, bears* N. 20° E., & S. 20° W. *and descend.*
32.00	*Cross Wash,* 40 *lks. wide, Course* N. 20° 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* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
50.25	*Top of Spur, bears* N.W. & S.E., *and descend.*
62.00	*Cross Wash,* 50 *lks. wide, Course* N.E., *and ascend.*
80.00	*Set a* Sand *stone* 12 x 9 x 8 *ins.* 8 *ins. in the ground for Cor. to Secs* 14-15-22-23, *marked with* 3 *notches on S. and* 2 *notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.*
	Land 67.00 chs. *mountainous and* 13.00 chs. *rolling.*
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Chains	East, on a random line between Sections 14 and 23. Variation 15° 30′ East.
	Ascend.
8.00	Top of Spur, bears N. and S. and descend.
27.00	Cross Wash, 60 lks. wide, Course N.W. and ascend.
40.00	Set temporary ¼ Sec. Cor.
63.00	Top of Spur, bears N. and S. and descend.
79.81	Intersect N. & S. line, 40 lks. South of cor. to secs. 13-14-23-24 from which corner, I run S. 89° 43′ W. on a true line between sections 14-23, Variation 15° 30′ East
39.91	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.
79.81	The corner to sections 14-15-22-23.
	Land mountainous.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Chains	North, between Sections 14 and 15. Variation 15° 30′ East.
	Descend.
26.50	Cross Wash, 50 lks. wide, Course N.E. and ascend.
40.00	Set a Sand stone 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.
43.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Lime stone 14 x 9 x 9 ins. 9 ins. in the ground for Cor. to Secs. 10-11-14-15 marked with 4 notches on S. and 2 notches on E. 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, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14.
	Variation 15° 25′ East.
	Over level land
40.00	Set temporary ¼ Sec. Cor.
53.00	Leave Flat bears N. and S. and ascend.
60.00	Top of Spur, bears N.W. and S.E. and descend.
80.01	Intersect N. & S. line, 12 lks South of cor. to secs. 11-12-13-14 from which corner, I run S. 89° 55′ W. on a true line between sections 11-14,
	Variation 15° 25′ East
40.01	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.
80.01	The corner to sections 10-11-14-15, 53.00 lks. 27.01 lks. Land level. mountainous. Soil 2nd & 3rd rate Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian

Chains	North, between Sections 10 and 11.
	Variation 15° 25′ East.
	Ascend gradually,
2.00	Enter Flat bears E. and W.
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.
56.00	Leave Flat bears E. and W. and ascend.
80.00	Set a Sand stone 8 x 8 x 8 ins. 5 ins. in the ground for Cor. to Secs. 2-3-10-11 marked with 5 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 2 and 11.
	Variation 15° 15′ East.
	Over rolling land. and ascend
40.00	*Set temporary ¼ Sec. Cor.*
68.00	*Top of Spur, bears* N. and S., *and descend.*
71.00	*Cross Road, bears* N. 20° W. and S. 20° E.
79.98	***Intersect** N. & S. line,* 20 *lks.* North *of cor. to secs.* 1-2-11-12 *from which corner, I run* N 89° 51′ W. *on a true line between sections* 2-11
	Variation 15° 15′ *East*
39.99	***Set a*** Sand *stone* 8 x 8 x 6 *ins.,* 5 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.98	*The corner to sections* 2-3-10-11
	Land rolling.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian

Chains	
	North, on a random line between Sections 2 and 3.
	Variation 15° 15′ East.
	Ascend.
22.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
40.00	*Set temporary ¼ Sec. Cor.*
73.00	*Cross Road, bears* N.W. and S.E.
79.77	***Intersect*** N.B. *of* ***Tp.*** 42 *lks.* West *of cor. to secs.* 2-3-34-35 *from which corner, I run* S. 18′ W., *on a true line, between sections* 2-3
	Variation 15° 15′ ***East.***
39.77	***Set a*** Sand *stone* 16 x 10 x 8 *ins.,* 11 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.77	*The corner to sections* 2-3-10-11
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

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

David McKay, Compassman,
Oct. 28, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 33 and 34.
	Variation 15° 25′ East.
	Over rolling land. and ascend
40.00	Set a Sand stone 16 x 10 x 4 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
50.00	Top of Ridge, bears E. and W. and descend.
72.00	Cross low Sag and ascend.
75.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 13 x 8 x 8 ins. 9 ins. in the ground for Cor. to Secs. 27-28-33-34, marked with 1 notch on S. and 3 notches, on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.

Land 30.00 chs. mountainous. and 50.00 chains rolling.
Soil 3rd rate
Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 27 and 34.
	Variation 15° 30′ East.
	Descend.
39.50	Cross low Sag and ascend.
40.00	Set temporary ¼ Sec. Cor.
59.00	Top of Spur, bears N.50° W. and S.50° E. and descend.
78.50	Cross Wash, 100 lks. wide, Course S.59° E. and ascend.
79.74	Intersect N. & S. line, 6 lks. North of cor. to secs. 26-27-34-35, from which corner, I run N.89° 57′ W. on a true line between sections 27-34,
	Variation 15° 30′ East
39.87	Set a Sand stone 11 x 8 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.
79.74	The corner to sections 27-28-33-34,

Land mountainous.
Soil 3rd rate
Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 27 and 28.
	Variation 15° 30′ East.
	Ascend.
10.00	Top of Spur, bears E. and W., and descend.
40.00	Set a Sand stone 14 x 12 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.
55.00	Cross Wash, 30 lks. wide, Course East and ascend.
80.00	Set a Sand stone 13 x 9 x 6 ins. 9 ins. in the ground for Cor. to Secs. 21-22-27-28 marked with 2 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27.
	Variation 15° 30′ East.
	Descend.
7.20	Cross Wash, 50 lks. wide, Course N., and ascend.
40.00	Set temporary ¼ Sec. Cor.
41.50	Cross low Sag and ascend.
55.25	Top of Spur, bears N.W. & S.E. and descend.
71.00	Cross Wash, ~~lks. wide~~, Course N.W. and ascend.
79.66	Intersect N. & S. line, 27 lks. South of cor. to secs. 22-23-26-27 from which corner, I run S. 89° 48′ W. on a true line between sections 22-27.
	Variation 15° 30′ East
39.83	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.
79.66	The corner to sections 21-22-27-28,
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 21 and 22.
	Variation 15° 30′ East.
	Descend.
13.40	*Cross Wash,* 90 *lks. wide, Course* N. 20° W. *and ascend,*
16.50	*Top of Spur, bears* N. W. *and* S. E. *and descend.*
33.00	*Cross Wash,* 50 *lks. wide, Course* N. W. *and ascend.*
38.52	*Top of Spur, bears* E. *and* W. *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.*
55.60	*Cross Wash,* 60 *lks. wide, Course* N. E. *and ascend.*
60.70	*Top of Spur, bears* N. W. *&* S. E. *and descend.*
80.00	*Set a* Sand *stone* 12 x 8 x 8 *ins.* 8 *ins. in the ground for Cor. to Secs.* 15-16-21-22 *marked with* 3 *notches on S. and* 3 *notches on E. edges, dug pits* 18 x 18 x 12 *ins. in each Sec.,* 5½ *ft. dist. and raised a mound of earth* 2 *ft. high,* 4½ *ft. base.*
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 15 and 22.
	Variation 15° 25′ East.
4.00	*Cross Wash,* 50 *lks. wide, Course* N. W. *and ascend.*
37.00	*Top of Spur, bears* N. W. *&* S. E. *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
61.00	*Cross Wash,* 40 *lks. wide, Course* N. W. *and ascend.*
79.92	*Intersect N. & S. line,* 14 *lks* North *of cor. to secs.* 14-15-22-23 *from which corner, I run* N. 89° 54′ W. *on a true line between sections* 15-22,
	Variation 15° 25′ *East*
39.96	*Set a* Sand *stone* 11 x 8 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.*
79.92	*The corner to sections* 15-16-21-22
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West
6th Principal Meridian.

Chains	
	North, between Sections 15 and 16.
	Variation 15° 25' East.
	Descend.
14.75	*Cross Wash,* 50 *lks. wide, Course* N.W.
20.00	*Enter Flat bears* N.W. & S.E.
36.75	*Cross Wash,* 20 *lks. wide, Course* N. 20° W.
40.00	*Set a* Sand *stone* 13 x 9 x 9 *ins.,* 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
70.00	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone* 11 x 11 x 9 *ins.* 7 *ins. in the ground for Cor. to Secs.* 9-10-15-16 *marked with* 4 *notch* es *on S. and* 3 *notches on E. edges. dug pits* 18 x 18 x 12 *ins. in each Sec.;* 5½ *ft. dist. and raised a mound of earth* 2 *ft. high,* 4½ *ft. base.*
	Land rolling.
	Soil 3rd rate
	Vegetation Bunchgrass.

Township 31 North Range 40 West
6th Principal Meridian.

Chains	
	East, on a random line between Sections 10 and 15.
	Variation 15° 30' East.
	Over rolling land.
40.00	*Set temporary* ¼ *Sec. Cor.*
57.00	*Ascend.*
63.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
79.83	*Intersect N. & S. line,* 23 *lks.* North *of cor. to secs.* 10-11-14-15 *from which corner, I run* N 89° 50' W. *on a true line between sections* 10-15
	Variation 15° 30' *East*
39.92	*Set a* Sand *stone* 9 x 9 x 7 *ins.,* 6 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.83	*The corner to sections* 15-16-9-10 51.00 chs. & 28.83 chs.
	Land rolling. & mountainous.
	Soil 2nd & 3rd rate
	Vegetation Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 9 and 10.
	Variation 15° 30′ East.
	Over level land
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	Leave Flat bears N.W. & S.E., and ascend.
80.00	Set a Sand stone 19 x 8 x 5 ins., 14 ins. in the ground for Cor. to Secs. 3, 4, 9–10, marked with 5 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling. & level.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10.
	Variation 15° 15′ East.
11.00	Cross Wash, 50 lks. wide, Course N.W. and ascend.
40.00	Set temporary ¼ Sec. Cor.
55.00	Top of Spur, bears N. and S. and descend.
79.96	Intersect N. & S. line, 36 lks. South of cor. to secs. 2-3-10-11 from which corner, I run S. 89° 45′ W. on a true line between sections 3-10
	Variation 15° 15′ East
39.98	Set a Sand stone 12 x 9 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.96	The corner to sections 3-4-9-10
	Land rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4.
	Variation 15° 15′ East.
	Ascend.
12.00	Top of Spur, bears N. 20° W. & S. 20° E, and descend.
20.00	Cross Wash, 100 lks. wide, Course N. 30° W.
40.00	Set temporary ¼ Sec. Cor.
62.00	Cross Wash, 50 lks. wide, Course East and ascend.
80.07	Intersect N. B. of Tp. 75 lks West of cor. to secs. 3-4-33-34 from which corner, I run S. 32′ W., on a true line, between sections 3-4,
	Variation 15° 15′ East.
40.07	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.
80.07	The corner to sections 3-4-9-10
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	C. W. Dakin, Oct. 30, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 32 and 33.
	Variation 15° 10′ East.
	Ascend.
20.00	Top of Spur, bears N.W. & S.E, and descend.
30.80	Cross Wash, 60 lks. wide, Course E, and ascend.
40.00	Set a Sand stone 12 x 8 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
73.00	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. 28-29-32-33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 15' East.
	Ascend.
10.50	*Top of Spur, bears* N.W. and S.E., *and descend.*
29.00	*Cross Wash,* 40 *lks. wide, Course* N. *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
55.00	*Top of Spur, bears* N.30° W. & S.30° E., *and descend.*
80.22	***Intersect N. & S. line,*** 18 *lks.* South *of cor. to secs.* 27-28-33-34 *from which corner, I run* S. 89° 52' W. ***on a true line between sections*** 28-33. ***Variation*** 15° 15' ***East***
40.11	*Set a* Sand *stone* 18 x 14 x 8 *ins.,* 12 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.22	*The corner to sections* 28-29-32-33.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 15° 15' East.
	Descend.
1.00	*Cross Wash,* 30 *lks. wide, Course* East *and ascend.*
20.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
40.00	*Set a* Sand *stone* 13 x 9 x 9 *ins.,* 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W *face, dug pits* 18 x 18 x 12 *ins.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
40.50	*Cross Wash,* 40 *lks. wide, Course* N.W. *and ascend.*
80.00	*Set a* Sand ***stone*** 13 x 10 x 9 ~~ins.~~ 9 ~~ins.~~ *in the ground for Cor. to Secs.* 20-21-28-29, *marked with* 2 *notches on S. and* 4 ***notches*** *on E. edges, dug pits* 18 x 18 x 12 *ins. in each Sec.,* 5½ *ft. dist. and raised a mound of earth* 2 *ft. high,* 4½ *ft. base.*
	Land mountainous.
	Soil 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28.
	Variation 15° 45′ East.
	Ascend.
2.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
14.00	*Cross Wash,* 100 *lks. wide, Course* S.E., *and ascend.*
40.00	*Set temporary ¼ Sec. Cor.*
51.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
80.06	***Intersect** N. & S. line,* 5 *lks.* North *of cor. to secs.* 21-22-27-28 *from which corner, I run* N.59°58′ W. *on a true line between sections* 21-28
	Variation 15° 45′ *East*
40.03	***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.*
80.06	*The corner to sections* 20-21-28-29.
	Land mountainous.
	Soil 3rd rate
	Vegetation , Bunchgrass

Township 31 North Range 40 West

6th Principal Meridian

Chains	North, between Sections 20 and 21.
	Variation 15° 45′ East.
	Descend.
16.00	*Cross Wash,* 40 *lks. wide, Course* N.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.,* S *and* W *. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
54.00	*Cross Wash,* 60 *lks. wide, Course* N.50°W. *and ascend.*
72.00	*Top of Spur, bears* N.50°W. & S.50°E., *and descend.*
80.00	***Set a*** Sand *stone* 20 x 14 x 9 *ins.* 15 *ins. in the ground for Cor. to Secs.* 16-17-20-21 *marked with* 3 *notches on S. and* 4 *notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.*
	Land mountainous.
	Soil 3rd rate
	Vegetation , Bunchgrass.

Township 31 North Range 40 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21. Variation 15°40' East.
	Descend.
11.14	Cross Wash, 150 lks. wide, Course N and ascend.
33.00	Top of Spur, bears N. and S, and descend.
37.00	Cross Wash, 40 lks. wide, Course N, and ascend.
40.00	Set temporary ¼ Sec. Cor.
56.00	Top of Spur, bears N.30°W. & S.30°E, and descend.
80.30	Intersect N. & S. line, 25 lks. North of cor. to secs. 15-16-21-22 from which corner, I run N89°49' W. on a true line between sections 16-21 Variation 15°40' East
40.15	Set a Sand stone 12 x 9 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.
80.30	The corner to sections 16-17-20-21
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17. Variation 15°40' East.
	Descend,
6.00	Cross Wash, 50 lks. wide, Course N.30°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.
43.00	Top of Spur, bears N.W. & S.E, and descend.
47.00	Cross Wash, 90 lks. wide, Course N.20°E, and ascend.
80.00	Set a Sand stone 11 x 8 x 6 ins. 7 ins. in the ground for Cor. to Secs. 8-9-16-17 marked with 4 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16. Variation 15° 35′ East.
	Ascend.
7.00	*Top of Spur, bears* N. & S. *and descend.*
18.00	*Enter Flat bears* N. and S.
40.00	*Set temporary ¼ Sec. Cor.*
79.98	*Intersect N. & S. line,* at the *cor. to secs.* 9-10-15-16 *from which corner, I run* West *on a true line between sections* 9-16 *Variation* 15° 35′ *East*
39.99	*Set a* Sand *stone* 11 x 8 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.*
79.98	*The corner to sections* 8-9-16-17

61.98 lks 18.00 lks.

Land level. & mountainous.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 8 and 9. Variation 15° 35′ East.
	Ascend.
20.00	*Top of Spur, bears* N. N. and S.E., *and descend.*
24.00	*Cross Wash,* 50 *lks. wide, Course* S. 20° E. *and ascend.*
40.00	*Set a* Sand *stone* 12 x 9 x 8 *ins.,* 8 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.,* E *and* N *. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
50.00	*Top of Spur, bears* N. 20° W. & S. 20° E. *and descend.*
56.00	*Cross Wash,* 90 *lks. wide, Course* S. 40° E. *and ascend.*
80.00	*Set a* Sand *stone* 14 x 7 x 7 *ins.* 4 *ins. in the ground for Cor. to Secs.* 4-5-8-9 *marked with* 5 *notch* ∞ *on S. and* 4 *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, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9. Variation 15° 20′ East.
	Over level land
40.00	*Set temporary ¼ Sec. Cor.*
44.00	*Ascend.*
61.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
80.13	*Intersect N. & S. line,* 50 lks South *of cor. to secs.* 3-4-9-10 *from which corner, I run* S. 89° 39′ W. *on a true line between sections* 4-9. *Variation* 15° ~~15′~~ 20′ *East*
40.07	*Set a* Sand *stone* 10 x 8 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.*
80.13	*The corner to sections* 4-5-8-9.
	Land level. 44.00 chs. mountainous. 36.13 chs.
	Soil 3rd rate
	Vegetation Punchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, on a random line between Sections 4 and 5. Variation 15° 20′ East.
	Ascend.
40.00	*Set temporary ¼ Sec. Cor.*
54.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
80.26	*Intersect* N. B. *of Tp.* 48 lks West *of cor. to secs.* 4-5-32-33, *from which corner, I run* S. 21′ W., *on a true line, between sections* 4-5, *Variation* 15° 20′ *East.*
40.26	*Set a* Sand *stone* 13 x 8 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.*
80.26	*The corner to sections* 4-5-8-9.
	Land mountainous.
	Soil 3rd rate
	Vegetation Punchgrass.

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

David McKay, Compassman,
Oct. 30, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 31 and 32.
	Variation 14° 50′ East.
	Ascend.
11.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
40.00	*Set a* Sand *stone* 13 x 11 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.*
41.00	*Cross Wash,* 100 *lks. wide, Course* N.W., *and ascend.*
46.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
75.00	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone* 15 x 11 x 9 *ins.* 10 *ins. in the ground for Cor. to Secs.* 29-30-31-32 *marked with* 1 *notch on S. and* 5 *notch* 80 *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, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 29 and 32.
	Variation 15° East.
	Ascend.
7.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
43.00	*Cross Wash,* 40 *lks. wide, Course* N.W., *and ascend.*
80.09	*Intersect N. & S. line,* 33 *lks.* North *of cor. to secs.* 28-29-32-33 *from which corner, I run* N.89°46′ *W. on a true line between sections* 29-32
	Variation 15° *East*
40.05	*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.*
80.09	*The corner to sections* 29-30-31-32.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.
	C. W. Dakin, Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31.
	Variation 15° East.
	Descend.
27.00	Cross Wash, 150 lks. wide, Course N.20°W. and ascend.
40.00	Set temporary ¼ Sec. Cor.
75.96	Intersect W. B. of Tp. 10 lks. North of cor. to secs. 25-30-31-36, from which corner, I run N.89°56' E. on a true line, between sections 30-31
	Variation 15° East.
35.96	Set a Lime 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.
75.96	The corner to sections 29-30-31-32,
	Land Rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.
	David McKay, Compassman, Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian

Chains	North, between Sections 29 and 30.
	Variation 15° East.
	Ascend.
35.0	Top of Spur, bears N.20°W. & S.20°E. and descend.
40.00	Set a Lime 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.
60.50	Cross Wash, 200 lks. wide, Course N.W. and ascend.
77.00	Top of Spur, bears N.W. & S.E. and descend.
80.00	Set a Lime stone 16 x 12 x 5 ins. 11 ins. in the ground for Cor. to Secs. 19-20-29-30, marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29. Variation 15° 10′ East.
	Ascend.
40.00	Set temporary ¼ Sec. Cor.
68.00	Top of Spur, bears N. and S. and descend.
79.91	Intersect N. & S. line, 44 lks. North of cor. to secs. 20-21-28-29 from which corner, I run N 89° 41′ W. on a true line between sections 20-29. Variation 15° 10′ East
39.96	Set a Sand stone 11 x 8 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.
79.91	The corner to sections 19-20-29-30
	Land Rolling.
	Soil 3rd rate
	Vegetation, Timothy grass.
	C. W. Dakin, Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30. Variation 15° 10′ East.
	Over rolling land. and ascend
7.00	Top of Spur, bears N.W. & S.E. and descend.
40.00	Set temporary ¼ Sec. Cor.
74.80	Intersect W. B. of Tp. 26 lks. North of cor. to secs. 19-24-25-30 from which corner, I run N 89° 49′ E. on a true line, between sections 19-30 Variation 15° 10′ East.
34.80	Set a Sand stone 15 x 9 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.
74.80	The corner to sections 19-20-29-30,
	Land rolling.
	Soil 3rd rate
	Vegetation, Timothy grass.
	David McKay, Compassman, Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 15°10' East.
	Descend.
9.00	Cross Wash, 150 lks. wide, Course N.W. and ascend.
18.00	Top of Spur, bears N.W. & S.E., and descend.
40.00	**Set a** Sand stone 17 x 9 x 7 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.
44.00	Cross Wash, 200 lks. wide, Course N.W. and ascend
47.00	Top of Spur, bears N.W. & S.E., and descend.
80.00	Set a Sand stone 18 x 13 x 4 ins. 12 ins. in the ground for Cor. to Secs 17-18-19-20 marked with 3 notch Es on S. and 5 notch es 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, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 15°30' East.
	Ascend.
8.00	Top of Spur, bears N.20°W. & S.20°E., and descend.
40.00	Set temporary ¼ Sec. Cor.
44.00	Cross Wash, 20 lks. wide, Course N.W. and ascend.
58.00	Top of Spur, bears N.E. & S.W., and descend.
79.95	**Intersect N. & S. line,** 16 lks. North of cor. to secs. 16-17-20-21 from which corner, I run N.59°53' W. on a true line between sections 17-20 Variation 15°30' East
39.98	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.
79.95	The corner to sections 17-18-19-20.

Land mountainous.
Soil 3rd rate
Vegetation Bunchgrass
C. N. Dalkin, Oct. 31st 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	West, on a random line between Sections 18 and 19.
	Variation 15° 30′ East.
	Over rolling land.
40.00	*Set temporary ¼ Sec. Cor.*
53.64	*Cross Wash, 35 lks. wide, Course N.30°W and ascend.*
74.43	*Intersect W. B. of Tp. 52 lks. North of cor. to secs. 13-18-19-24 from which corner, I run N.89°38′E., on a true line, between sections 18-19*
	Variation 15° 30′ East.
34.43	*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.*
74.43	*The corner to sections 17-18-19-20*
	Land rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.
	David McKay Oct. 31, 1882.
	(Compassman)

Township 31 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 17 and 18.
	Variation 15° 30′ East.
	Descend.
19.00	*Cross Wash, 50 lks. wide, Course N.W. and ascend.*
25.00	*Top of Spur, bears N.W. & S.E. 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.*
65.00	*Cross Wash, 100 lks. wide, Course N.20°W and ascend.*
76.00	*Top of Spur, bears N.30°W. & S.30°E. & descend.*
80.00	*Set a Sand stone 12 x 8 x 6 ins. 8 ins. in the ground for Cor. to Secs. 7-8-17-18 marked with 4 notches on S. and 5 notches on E. edges. dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.*
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17.
	Variation 15° 30′ East.
	Over rolling land.
40.00	*Set temporary ¼ Sec. Cor.*
80.16	*Intersect N. & S. line,* 11 lks. South of cor. to secs. 8-9-16-17 *from which corner, I run* S. 89° 55′ W. *on a true line between sections* 8-17.
	Variation 15° 30′ *East*
40.08	*Set a* Sand stone 11 x 8 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.*
80.16	*The corner to sections* 7-8-17-18,
	Land rolling.
	Soil 3rd rate
	Vegetation, Timehgrass.
	C. W. Dakin, Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18.
	Variation 15° 30′ East.
12.00	*Cross Wash,* 30 *lks. wide, Course* N. 30° E. *and ascend.*
30.00	*Top of Spur, bears* N. W. *and* S. E. *and descend.*
40.00	*Set temporary ¼ Sec. Cor.*
73.92	*Intersect* N. B. *of Tp.* 32 lks. North *of cor. to secs.* 7-12-13-18 *from which corner, I run* N. 89° 46′ E. *on a true line, between sections* 7-18,
	Variation 15° 30′ *East.*
33.92	*Set a* Sand stone 12 x 9 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.*
73.92	*The corner to sections* 7-8-17-18
	Land mountainous.
	Soil 3rd rate
	Vegetation, Timehgrass.
	David McKay, Compassman, Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 7 and 8.
	Variation 15°30′ East.
	Descend.
6.00	*Cross Wash,* 100 *lks. wide, Course* N.W. *and ascend.*
32.00	*Top of Spur, bears* N.W. & S.E. *and descend.*
40.00	*Set a* Lime *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.*
66.00	*Cross Wash,* 150 *lks. wide, Course* N.W. *and ascend.*
74.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
80.00	*Set a* Lime *stone* 14 x 12 x 8 *ins.* 9 *ins. in the ground for Cor. to Secs.* 5-6-7-8 *marked with* 5 *notches on S. and* 5 *notches on E. edges, dug pits* 18 x 18 x 12 *ins. in each Sec.,* 5½ *ft. dist. and raised a mound of earth* 2 *ft. high,* 4½ *ft. base.*
	Land mountainous.
	Soil 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8.
	Variation 15°20′ East.
	Over rolling land.
30.00	*Top of Spur, bears* N. and S. *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
80.24	*Intersect N. & S. line,* 35 *lks.* North *of cor. to secs.* 4-5-8-9 *from which corner, I run* N. 89° 45′ W. *on a true line between sections* 5-8
	Variation 15°20′ *East*
40.12	*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.*
80.24	*The corner to sections* 5-6-7-8.
	Land Rolling.
	Soil 3rd rate
	Vegetation, Bunchgrass.

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

C. N. Dakin,
Oct. 31, 1882.

Township 31 North Range 40 West

6th Principal Meridian.

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

Variation 15° 20′ East.

Ascend.

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

30.00 Cross low Sag and ascend.

40.00 Set temporary ¼ Sec. Cor.

73.69 Intersect N. B. of Tp. 61 lks. North of cor. to secs. 1-6-7-12 from which corner, I run N. 89° 34′ E., on a true line, between sections 6-7.

Variation 15° 20′ East.

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

73.69 The corner to sections 5-6-7-8.

Land mountainous.

Soil 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 40 West

6th Principal Meridian.

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

Variation 15° 20′ East.

Over rolling land. and ascend

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

40.00 Set temporary ¼ Sec. Cor.

79.94 Intersect N. B. of Tp. 83 lks. West of cor. to secs. 5-6-31-32 from which corner, I run S. 36′ W., on a true line, between sections 5-6

Variation 15° 20′ East.

39.94 Set a Sand stone 14 x 9 x 9 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.

79.94 The corner to sections 5-6-7-8.

Land rolling.

Soil 3rd rate

Vegetation, Bunchgrass.

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

David McKay Compassman,
Oct. 31, 1882.

GENERAL DESCRIPTION.

The land in this Township is generally mountainous.
The soil is chiefly 3rd rate.
It is covered with a vegetation of Bunchgrass.
A considerable portion of the land is valuable for grazing purposes.
A Road crosses the northeastern part of the Township.

U. S. Surveyor General's Office.

Plattsmouth, Neb. 1883

The foregoing Field Notes of the Retracings, and surveys of the Subdivision lines of Township No. 31 North, of Range No. 10 West of the Principal Base and Meridian in the State of Neb. executed by Charles W. Dakin U. S. Deputy Surveyor, under his contract, dated Feb. 2, 1882 in the month of Oct. 1882, having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

L. W. Stephenson
U. S. Surveyor-General for

Charles W. Dakin, Deputy Surveyor.

T. 32 **North R.** 40 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 32 North Range 40 West

6th Principal Meridian.

BY

Charles W. Dakin, Deputy Surveyor.

Under his Contract of February 2nd 1882

Survey Commenced October 5th 1882

Survey Completed October 7th 1882

Platted,
Copied for Washington,
Copied for Register,

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

Township 32 North, Range 40 West

6th Principal Meridian

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

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

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Township North Range West

6th Principal Meridian.

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

..... 6th Principal Meridian.

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

..... 6th Principal Meridian.

Survey made with Burt's Patent Improved Solar Compass, nearly new, and in first rate order. Made by John Roach, *of* San Francisco Cal., *in* 1881.

Before proceeding to subdivide this Tp., I made a change of 6 *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.*

Township 32 North Range 40 West

(See previous page.)

6th Principal Meridian.

Chains	
	From the corner to Sections 35, 36, 1 and 2 on the South boundary; I run North, between Sections 35 and 36.
	Variation 15° 30′ East.
	Over level land
40.50	*Set a* Sand *stone* 13 x 9 x 4 *ins.,* 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.00	*Set a* Sand *stone* 14 x 10 x 7 *ins.* 9 *ins. in the ground for Cor. to Secs.* 25, 26, 35 *and* 36 *marked with* 1 *notch on S. and* 1 *notch on E. edges, 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 2nd *and* 3rd *rate*
	Vegetation of Bunchgrass *and* Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 15° 30′ East.
	Over level land
40.00	*Set temporary* ¼ *sec. cor.*
80.14	*Intersect* E. B. *of Tp.* 12 *lks.* South *of cor. to secs.* 25, 30, 31 & 36 *from which corner, I run* S. 89° 55′ W. *on a true line, between sections* 25 *and* 36.
	Variation 15° 30′ *East.*
40.07	*Set a* Sand *stone* 14 x 10 x 7 *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* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
81.14	*The corner to sections* 25, 26, 35 *and* 36.
	Land level.
	Soil 2nd *and* 3rd *rate*
	Vegetation of Bunchgrass *and* Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 25 and 26.
	Variation 15° 30′ East.
	Over level land
40.00	*Set a* Sand *stone* 11 x 7 x 3 *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* 14 x 12 x 6 *ins.* 9 *ins. in the ground for Cor. to Secs.* 23, 24, 25 *and* 26 *marked with* 2 *notches on S. and* 1 *notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,* 5½ *ft. dist., and raised a mound of earth 2 ft. high* 4½ *ft. base.*
	Land level.
	Soil 2nd *and* 3rd *rate*
	Vegetation of Bunchgrass *and* Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 24 and 25.
	Variation 15° 35′ East.
	Over level land
40.00	*Set temporary* ¼ *sec. cor.*
79.96	*Intersect E.B. of Tp.* 43 *lks. South of cor. to secs.* 19, 24, 25 *&* 30 *from which corner, I run* S. 84° 42′ W. *on a true line, between sections* 24 *and* 25,
	Variation 15° 35′ *East.*
39.98	*Set a* Sand *stone* 14 x 12 x 6 *ins.*, 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N. *face, dug pits, 18 x 18 x 12 ins.,* N. *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.96	*The corner to sections* 23, 24, 25 *and* 26,
	Land level.
	Soil 2nd *and* 3rd *rate*
	Vegetation of Bunchgrass *and* Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 23 and 24.
	Variation 15° 30′ East.
	Over level land
40.00	Set a Sand stone 12 x 6 x 3 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
56.00	Cross Road, bears, N. 60° E. and S. 60° W.
77.00	Leave Flat bears N. 60° E. and descend.
80.00	Set a Sand stone 17 x 15 x 10 ins. 11 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24 marked with 3 notch on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24.
	Variation 15° 45′ East.
	Ascend.
5.75	Top of Hill bears N. 65° E. and S. 65° W. and descend
40.00	Set temporary ½ sec. cor.
80.05	Intersect E.B. of Tp. 11 lks. South of cor. to secs. 13, 18, 19 and 24 from which corner, I run S. 89° 55′ W. on a true line, between sections 13 and 24.
	Variation 15° 45′ East.
40.02	Set a Sand stone 12 x 6 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.
80.05	The corner to sections 13, 14, 23 and 24,
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 13 and 14.
	Variation 15° 45' East.
	Descend.
18.43	Cross Niobrara River, 150 lks. wide, Course E.
	and 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.
52.80	Top of Hill bears E. and W. and descend.
67.24	Cross Road, bears, N. 70° E. and S. 70° W.
80.00	Set a Sand stone 12 x 10 x 7 ins. 8 ins. in
	the ground for Cor. to Secs. 11, 12, 13 and 14 marked
	with 4 notch on S. and 1 notch on E. edges, dug pits
	18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a
	mound of earth 2 ft. high 4½ ft. base.
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 12 and 13.
	Variation 15° 45' East.
	Over level land
27.13	Cross Road, bears, N. E. and S. W.
40.00	Set temporary ¼ sec. cor.
80.16	Intersect E. B. of Tp. 25 lks. North of cor. to secs.
	7, 12, 13 & 18 from which corner, I run
	N. 89° 49' W. on a true line, between sections 12 and 13.
	Variation 15° 45' East.
40.08	Set a Sand stone 10 x 7 x 3 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.
80.16	The corner to sections 11, 12, 13 and 14,
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush,

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 11 and 12. Variation 15° 45' East.
	Over level land
11.00	Leave Flat bears E. and W. and descend.
21.98	Cross Creek, 12 lks. wide, Course E. and ascend.
40.00	Set a Sand stone 12 x 10 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.
62.25	Top of Spur, bears N. 60° E. and S. 60° W. and descend.
80.00	Set a Sand stone 14 x 10 x 10 ins. 9 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12 marked with 5 notches on S. and 1 notch on E. edges and raised a mound of stone. Pits impracticable.

Land rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12. Variation 15° 55' East.
	Descend.
2.16	Cross Ravine, 25 lks. wide, Course S. 30° E. and ascend.
6.50	Top of Spur, bears S. 30° E. and N. 31° W. and descend.
17.40	Cross Ravine, 20 lks. wide, Course S. and ascend.
20.00	Top of Hill bears N. and S. and descend.
	Over level land
40.00	Set temporary ¼ sec. cor.
50.41	Cross Wash, 35 lks. wide, Course S.
80.28	Intersect E. B. of Tp. 46 lks. North of cor. to secs. 1, 6, 7 and 12 from which corner, I run N. 89° 40' W. on a true line, between sections 1 and 12. Variation 15° 55' East.
40.14	Set a Sand stone 13 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.28	The corner to sections 1, 2, 11 and 12.

Land 20.00 mountainous. and 60.28 Chains level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 1 and 2. Variation 15° 50′ East.
	Descend.
6.31	Cross Ravine, 25 lks. wide, Course S.E. and ascend.
23.25	Top of Hill bears E. and W. and descend.
40.00	Set a Sand stone 10 x 7 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.
54.71	Intersect the 8th Standard Parallel North at a point 7.32 chs. West of the Standard Cor. to Secs. 31 and 36. T. 33 N., R. 39 & 40 W., at which point I.
	Set a Sand stone 10 x 10 x 8 ins. 7 ins. in the ground for Closing Cor. to Secs. 1 and 2 marked C. C. with 1 notch on E. and 5 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land hilly
	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.
	C. W. Dakin, Oct. 5th 1882

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 15° 10′ East.
	Over level land
40.00	Set a Sand stone 14 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.
80.00	Set a Sand stone 12 x 8 x 4 ins. 8 ins. in the ground for Cor. to Secs. 26, 27, 34 and 35 marked with 1 notch on S. and 2 notches on E. edges, 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 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 26 and 35.
	Variation 15° 20′ East.
	Over level land
40.00	*Set temporary ¼ sec. cor.*
79.89	*Intersect N. & S. line, 13 lks. North of cor. to secs. 25, 26, 35 and 36 from which corner, I run N. 89° 54′ W. on a true line between sections 26 and 35.*
	Variation 15° 20′ East.
39.94	*Set a Sand stone 16 x 13 x 9 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and O. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.89	The Cor. to Secs. 26, 27, 34 and 35.
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 26 and 27.
	Variation 15° 20′ East.
	Over level land
36.02	*Cross Road, bears, N. 87° E. and N. 87° W.*
40.00	*Set a Sand stone 12 x 10 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.*
80.00	*Set a Sand stone 14 x 10 x 3 ins. 9 ins. in the ground for Cor. to Secs. 22, 23, 26 and 27 marked with 2 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.*
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

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

Variation 15° 30' East.

Over level land

40.00 Set temporary ¼ sec. cor.

80.21 Intersect N. & S. line, 23 lks. South of cor. to secs. 23, 24, 25 and 26 from which corner, I run S. 89° 50' W. on a true line between sections 23 and 26.

Variation 15° 30' East.

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

80.21 The corner to sections 22, 23, 26 and 27.

Land level.

Soil 2nd and 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains North, between Sections 22 and 23.

Variation 15° 30' East.

Over level land

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

37.50 Leave Flat bears E. and W. and descend.

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

54.30 Cross Niobrara River, 125 lks. wide, Course N. 85° E. and ascend.

58.00 Top of Hill bears N. 85° E. and S. 85° W. and

Over level land

80.00 Set a Sand stone 12 x 7 x 7 ins. 8 ins. in the ground for Cor. to Secs. 14, 15, 22 and 23 marked with 3 notches on S. and 2 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land level. and hilly

Soil 2nd and 3rd rate

Vegetation of Bunch grass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23.
	Variation 15° 35' East.
	Over level land
37.92	Cross Niobrara River, 125 lks. wide, Course N. 63° E.
	and ascend.
40.00	Set temporary ¼ sec. cor.
54.00	Top of Bank, bears N. E. and S. W. and descend.
80.32	Intersect N. & S. line, 40 lks. South of cor. to secs.
	13, 14, 23 and 24 from which corner, I run
	S. 89° 43' W. on a true line between sections 14 and 23.
	Variation 15° ~~45'~~ 35' East.
40.16	Set a Sand stone 10 x 6 x 3 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.
80.32	The corner to sections 14, 15, 22 and 23.
	Land level. and hilly
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 14 and 15.
	Variation 15° 35' East.
	Over level land
31.87	Cross Road, bears, N. 64° E. and S. 64° W.
40.00	Set a Sand stone 12 x 6 x 4 ins., 8
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on W.
	face, dug pits, 18 x 18 x 12 ins., E. and W. of stone
	5½ ft. dist., and raised a mound of earth 1½ ft. high,
	3½ ft. base.
80.00	Set a Sand stone 20 x 10 x 4 ins. 15 ins. in
	the ground for Cor. to Secs. 10, 11, 14 and 15 marked
	with 4 notches on S. and 2 notches on E. edges, dug pits
	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 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 30' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
59.11	Cross Wash, 20 lks. wide, Course N.
79.94	Intersect N. & S. line, 18 lks. North of cor. to secs. 11, 12, 13 and 14 from which corner, I run N. 89° 52' W. on a true line between sections 11 and 14. Variation 15° 45' 30' East.
39.97	Set a Sand stone 14 x 10 x 7 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.94	The corner to sections 10, 11, 14 and 15.
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 15° 30' East.
	Over level land
4.00	Leave Flat bears E. and W. and ascend.
23.30	Top of Hill bears E. and W. and descend.
40.00	Set a Sand stone 12 x 6 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
50.84	Cross Ravine, 25 lks. wide, Course E. and ascend.
75.00	Top of Spur, bears N.E. and S.W. and descend.
80.00	Set a Sand stone 14 x 10 x 10 ins. 7 ins. in the ground for Cor. to Secs. 2, 3, 10 and 11 marked with 5 notches on S. and 2 notches on E. edges and raised a mound of stone. Pits impracticable.
	Land mountainous. 76.00 Chs. and 4.00 Chs. level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 2 and 11.
	Variation 15° 45' East.
	Ascend.
4.50	Top of Spur, bears N. E. and S. W. and descend.
29.61	Cross Ravine, 20 lks. wide, Course S. and ascend.
40.00	Set temporary ¼ sec. cor.
48.00	Top of Hill bears N. and S. and descend.
80.12	Intersect N. & S. line, 29 lks. North of cor. to secs. 1, 2, 11 and 12 from which corner, I run N. 89° 48' W. on a true line between sections 2 and 11.
	Variation 15° 45' East.
40.06	Set a Sand stone 12 x 10 x 7 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.12	The corner to sections 2, 3, 10 and 11.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian

Chains	North, on a ~~random~~ true line between Sections 2 and 3.
	Variation 15° 45' East.
	Descend.
6.00	Cross Ravine, 20 lks. wide, Course S. W. and ascend.
28.00	Top of Hill bears E. and W. and descend.
40.00	Set a Sand stone 8 x 6 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.
54.21	Intersect the 8th Standard Parallel North at a point 8.00 chs. West of the Standard Cor. to Secs. 35 and 36 . T. 33 N., . R. 40 W. at which point I.
	Set a Sand stone 19 x 9 x 7 ins. 14 ins. in the ground for Closing Cor. to Secs. 2 and 3 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land hilly
	Soil 2nd and 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.
Compassman	David McKay, Oct. 5th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	North, between Sections 33 and 34.
	Variation 15° 10' East.
	Over level land
31.40	*Cross Creek, 20 lks. wide, Course N. 31° W.*
40.00	*Set a Sand stone 12 x 4 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
80.00	*Set a Sand stone 12 x 10 x 7 ins. 8 ins. in the ground for Cor. to Secs. 27, 28, 33 and 34 marked with 1 notch on S. and 3 notches on 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.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 27 and 34.
	Variation 15° 25' East.
	Over level land
9.73	*Cross Road, bears, S. 10° E. and N. 10° W.*
40.00	*Set temporary ¼ sec. cor.*
79.92	*Intersect N. & S. line, 61 lks. North of cor. to secs. 26, 27, 34 & 35 from which corner, I run N. 89° 34' W. on a true line between sections 27 & 34.*
	Variation 15° 25' East.
39.96	*Set a Sand stone 11 x 9 x 3 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.*
79.92	*The corner to sections 27, 28, 33 and 34.*
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 27 and 28.
	Variation 15° 25' East.
	Over level land
40.00	*Set a* Sand *stone* 14 x 8 x 8 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
43.00	*Leave Flat bears* E. and W. *and ascend.*
73.33	*Cross Road, bears,* N.W. and S.E.
80.00	*Set a post 4 ft. long, 4 ins. square, 12 ins. in the ground, for Cor. to Secs.* 21, 22, 27 and 28, *marked T.* 32 N, *S.* 22, *on N. E., R* 40 W, *S.* 27 *on S. E., S.* 28 *on S. W. and S.* 21 *on N. W. face, S, with* 2 *notch* es *on S. and* 3 *notch* es *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 around post.* on *Top of Spur, bears* N. and S.
	Land 43.00 Chs. *level.* and 3[illegible] Chs. *mountainous.*
	Soil 2nd and 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27.
	Variation 15° 30' East.
	Descend.
16.27	Cross Niobrara River, 150 *lks. wide, Course* S. *and ascend.*
26.50	*Top of Spur, bears* N. and S. *and descend.*
30.17	Cross Niobrara River, 150 *lks. wide, Course* N. *and ascend.*
35.00	*Top of Hill bears* N. and S. *and*
	Over level land
40.00	*Set temporary ¼ sec. cor.*
41.20	*Cross Road, bears,* N.E. and S.W.
79.67	*Intersect N. & S. line,* 30 *lks.* North *of cor. to secs.* 22, 23, 26 and 27 *from which corner, I run* N. 89° 47' *W. on a true line between sections* 22 and 27.
	Variation 15° 30' *East.*
39.83	*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.*
79.67	*The corner to sections* 21, 22, 27 and 28,
	Land 35.00 Chs. *mountainous.* and 44.67 Chs. *level.*
	Soil 2nd and 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 21 and 22.
	Variation 15° 30' East.
	Descend.
15.05	Cross Niobrara River, 125 lks. wide, Course E. and ascend.
25.50	Top of Hill bears E. and W. and descend.
39.90	Cross Road, bears, N. 73° E. and S. 73° W.
40.00	Set a Sand stone 12 x 10 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.
80.00	Set a Sand stone 12 x 6 x 6 ins. 8 ins. in the ground for Cor. to Secs. 15, 16, 21 and 22 marked with 3 notches on S. and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land hilly
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22.
	Variation 15° 30' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
49.62	Cross Road, bears, N. 60° E. and S. 60° W.
65.18	Cross Wash, 30 lks. wide, Course S.
79.43	Intersect N. & S. line, 52 lks. North of cor. to secs. 14, 15, 22 and 23 from which corner, I run N. 89° 38' W. on a true line between sections 15 and 22,
	Variation 15° 30' East.
39.71	Set a Sand stone 10 x 7 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.
79.43	The corner to sections 15, 16, 21 and 22.
	Land level.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 15 and 16.
	Variation 15° 30' East.
	Over level land
4.00	*Leave Flat bears* E. and W. *and ascend.*
10.50	*Top of Spur, bears* E. and W. *and descend.*
28.43	*Cross Gulch,* 25 *lks. wide, Course* N. 70° E. *and ascend.*
37.50	*Top of Spur, bears* E. and W. *and descend.*
40.00	*Set a* Sand *stone* 8 x 8 x 4 *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.*
45.38	*Cross Gulch,* 50 *lks. wide, Course* E. *and ascend.*
80.00	*Set a* Sand *stone* 14 x 10 x 10 *ins.* 9 *ins. in the ground for Cor. to Secs.* 9, 10, 15 *and* 16 *marked with* 4 *notches on S. and* 3 *notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,* 5½ *ft. dist., and raised a mound of earth* 2 *ft. high* 4½ *ft. base.*
	Land 76.00 *mountainous. and* 4.00 chs. level
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15.
	Variation 15° 40' East.
	Ascend.
29.00	*Top of Spur, bears* N. and S. *and descend.*
40.00	*Set temporary* ¼ *sec. cor.*
47.00	*Enter Flat bears* N.E. and S.W.
58.00	*Cross Wash,* 25 *lks. wide, Course* S.
79.70	*Intersect N. & S. line,* 14 *lks.* North *of cor. to secs.* 10, 11, 14 *and* 15 *from which corner, I run* N. 89° 54' W. *on a true line between sections* 10 *and* 15.
	Variation 15° ~~34'~~ 40' *East.*
39.85	*Set a* Sand *stone* 11 x 9 x 3 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N. *face, and raised a mound of stone.* *Pits impracticable.*
79.70	*The corner to sections* 9, 10, 15 *and* 16.
	Land 49.00 chs. *mountainous. and* 30.70 chs. *level.*
	Soil 2nd *and* 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 W West

6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 40' East.
	Ascend.
12.80	Top of Hill bears E. and W. and descend.
40.00	Set a Sand stone 14 x 12 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.
47.50	Cross Gulch, 30 lks. wide, Course E. and ascend.
70.25	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 10 x 10 x 7 ins. 7 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10 marked with 5 notches on S., and 3 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 30' East.
	Descend.
33.49	Cross Gulch, 10 lks. wide, Course S. 70° E. and
	Over level land
40.00	Set temporary ¼ sec. cor.
73.08	Cross Gulch, 20 lks. wide, Course S. 40° W.
79.83	Intersect N. & S. line, 25 lks. North of cor. to secs. 2, 3, 10 and 11 from which corner, I run N. 89° 49' W. on a true line between sections 3 and 10. Variation 15° ~~45~~ 30' East.
39.91	Set a Sand stone 20 x 4 x 4 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, and raised a mound of stone. Pits impracticable.
79.83	The corner to sections 3, 4, 9 and 10.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 3 and 4. Variation 16° 30′ East.
	Descend.
15.78	Cross Gulch, 15 lks. wide, Course E. and ascend.
29.00	Top of Spur, bears S. 70° E. and N. 70° W. 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.
43.25	Cross Gulch, 30 lks. wide, Course S. E. and ascend.
53.84	Intersect the 8th Standard Parallel North at a point 8.84 chs. West of the Standard Cor. to Secs. 34 and 35. T. 33 N. R. 40 W., at which point I.
	Set a Sand stone 14 x 10 x 6 ins. 9 ins. in the ground for Closing Cor. to Secs. 3 and 4 marked C. C. with 3 notches on E. and 3 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land broken.
	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.

E. W. Eakin, Oct. 6th 1882

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 15° 15′ East.
	Over level land
40.00	Set a Sand stone 13 x 11 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.
70.00	Leave Flat bears E. and W. and descend.
80.00	Set a Sand stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 28, 29, 32 and 33 marked with 1 notch on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 28 and 33. Variation 15° 05' East.
	Descend.
23.00	*Cross Gulch, 25 lks. wide, Course N. and ascend.*
31.00	*Top of Spur, bears N. and O. and descend.*
40.00	*Set temporary ¼ sec. cor.*
42.11	*Cross Gulch, 30 lks. wide, Course N. and ascend.*
53.50	*Top of Hill bears N. and O. and descend.*
68.41	*Cross Creek, 20 lks. wide, Course N. and ascend.*
73.00	*Top of Hill bears N. and O. and descend.*
79.79	*Intersect N. & S. line, 30 lks. South of cor. to secs. 27, 28, 33 and 34 from which corner, I run O. 89° 47' W. on a true line between sections 28 and 33.*
	Variation 15° 05' East.
39.89	*Set a Sandstone 8 x 8 x 3 ins., 5 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and O. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.~~77~~ 79	*The corner to sections 28, 29, 32 and 33.*
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian

Chains	North, between Sections 28 and 29. Variation 15° 05' East.
	Descend.
35.83	*Cross Niobrara River, 150 lks. wide, Course E. and ascend.*
40.00	*Set a Sandstone 12 x 10 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.*
63.64	*Cross Road, bears, E. and W.*
67.20	*Cross Road, bears, E. and W.*
80.00	*Set a Sandstone 11 x 9 x 6 ins. 7 ins. in the ground for Cor. to Secs. 20, 21, 28 and 29 marked with 2 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.*
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28.
	Variation 15° 20' East.
	Over level land
34.50	Leave Flat bears N. and S. and descend.
40.00	Set temporary ¼ sec. cor.
	From this point Mr. Newman's house bears N. 11 rds E.; 9.83 chs. dist.
64.00	Cross Road, bears, N. and S.
68.43	Cross Niobrara River, 150 lks. wide, Course N. and ascend.
72.84	Cross Road, bears, N. W. and S. E.
79.87	Intersect N. & S. line, 10 lks. North of cor. to secs. 21, 22, 27 & 28 from which corner, I run
	N. 89° 56' W. on a true line between sections 21 and 28,
	Variation 15° ~~20~~ 20' East.
39.93	Set a Post, 3 ft. long, 3 ins. dia., 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,
79.87	The corner to sections 20, 21, 28 and 29.
	Land 34.50 chs. level. and 45.37 chs. mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian

Chains	North, between Sections 20 and 21.
	Variation 15° 20' East.
	Over level land
30.07	Cross Antelope Creek, 20 lks. wide, Course N. 82° E.
40.00	Set a Sand stone 11 x 6 x 3 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.
70.00	Leave Flat bears N. W. and S. E. and ascend.
77.00	Top of Spur, bears N. 40° W. and S. 40° E. and descend.
80.00	Set a Lime stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 16, 17, 20 and 21 marked with 3 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land 70.00 chs. level. and 10.00 chs. mountainous.
	Soil 2nd and 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West
6th Principal Meridian.

Chains	East, on a random line between Sections 16 and 21.
	Variation 15° 30′ East.
	Descend.
3.30	*Cross Gulch,* 25 *lks. wide, Course* S. E. *and ascend.*
11.25	*Top of Spur, bears* N. W. and S. E. *and descend.*
17.00	*Enter Flat bears* N. W. and S. E.
40.00	*Set temporary* ¼ *sec. cor.*
79.97	*Intersect N. & S. line,* 24 *lks.* South *of cor. to secs.* 15, 16, 21 and 22 *from which corner, I run* S. 89° 50′ W. *on a true line between sections* 16 and 21,
	Variation 15° 30′ *East.*
39.98	*Set a* Sand *stone* 13 *x* 12 *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.*
79.97	*The corner to sections* 16, 17, 20 and 21. 62.97 chs. 17.00
	Land level. and mountainous.
	Soil 2nd and 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West
6th Principal Meridian.

Chains	North, between Sections 16 and 17.
	Variation 15° 30′ East.
	Descend.
3.50	*Cross Gulch,* 25 *lks. wide, Course* S. E. *and ascend.*
25.50	*Top of Hill bears* E. and W. *and descend.*
32.84	*Cross Gulch,* 125 *lks. wide, Course* E. *and ascend.*
40.00	*Set a* Lime *stone* 8 *x* 8 *x* 7 *ins.,* 5 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face, and raised a mound of stone. Pits impracticable.*
63.50	*Top of Spur, bears* N. W. and S. E. *and descend.*
80.00	*Set a* Sand *stone* 14 *x* 10 *x* 7 *ins.* 9 *ins. in the ground for Cor. to Secs.* 8, 9, 16 and 17 *marked with* 4 *notches on S. and* 4 *notches on E. edges, dug pits* 18 *x* 18 *x* 12 *ins. in each Sec.,* 5½ *ft. dist., and raised a mound of earth* 2 *ft. high* 4½ *ft. base.*
	Land hilly.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16.
	Variation 15° 15' East.
	Descend.
38.73	*Cross Gulch,* 20 *lks. wide, Course* S. 60° E. *and ascend,*
40.00	*Set temporary* ¼ *sec. cor.*
55.50	*Top of Spur, bears* N. W. and S. E. *and descend.*
79.78	*Intersect N. & S. line,* 45 *lks.* South *of cor. to secs.* 9, 10, 15 and 16, *from which corner, I run* S. 89° 41' *W. on a true line between sections* 9 and 16.
	Variation 15° ~~16~~ 15' *East.*
39.89	*Set a* Sand *stone* 17 x 13 x 9 *ins.,* 11 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N. *face, dug pits,* 18 x 18 x 12 *ins.,* N. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.78	*The corner to sections* 8, 9, 16 and 17.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 8 and 9.
	Variation 15° 15' East.
	Descend.
16.43	*Cross Gulch,* 25 *lks. wide, Course* S. E. *and ascend.*
40.00	*Set a* Sand *stone* 12 x 10 x 7 *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.*
57.50	*Top of Spur, bears* E. and W. *and descend.*
72.80	*Cross Gulch,* 20 *lks. wide, Course* S. 75° E. *and ascend.*
80.00	*Set a* Sand *stone* 14 x 10 x 6 *ins.* 9 *ins. in the ground for Cor. to Secs.* 4, 5, 8 and 9 *marked with* 5 *notches on S. and* 4 *notches on E. edges, dug pits* 18 x 18 x 12 *ins. in each Sec.,* 5½ *ft. dist., and raised a mound of earth* 2 *ft. high* 4½ *ft. base.*
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 4 and 9.
	Variation 15° 10′ East.
	Ascend.
13.50	Top of Spur, bears N. W. and S. E. and descend.
29.71	Cross Gulch, 150 lks. wide, Course S. 20° E. and ascend.
40.00	Set temporary ¼ sec. cor.
41.00	Top of Hill bears N. and S. and descend.
79.94	Intersect N. & S. line, 12 lks. North of cor. to secs. 3, 4, 9 and 10 from which corner, I run N. 89° 55′ W. on a true line between sections 4 and 9.
	Variation 15° ~~20~~ 10′ East.
39.97	Set a Sand stone 11 x 9 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.
79.94	The corner to sections 4, 5, 8 and 9.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	
	North, on a ~~random~~ true line between Sections 4 and 5.
	Variation 15° 10′ East.
	Ascend.
12.00	Top of Spur, bears S. E. and N. W. and descend.
40.00	Set a Sand stone 8 x 6 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.
53.27	Intersect the 8th Standard Parallel North at a point 9.03 chs. West of the Standard Cor. to Secs. 33 and 34. T. 33 N. R. 40 W. at which point I.
	Set a Sand stone 12 x 9 x 6 ins. 8 ins. in the ground for Closing Cor. to Secs. 4 and 5 marked C. C. with 4 notches on E. and 2 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land mountainous.
	Soil 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.
	Compassman David McRay, Oct. 6th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 31 and 32.
	Variation 15° 00′ East.
	Descend.
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.*
58.45	Cross Niobrara River, 200 lks. wide, Course N.E. and ascend.
76.50	*Top of Hill bears* N.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.* 29, 30, 31 and 32 *marked with* 1 *notch on* S. *and* 5 *notches on* E. *edges, dug pits 18 x 18 x 12 ins. in each Sec.,* 5½ *ft. dist., and raised a mound of earth* 2 *ft. high* 4½ *ft. base.*
	Land hilly
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 29 and 32.
	Variation 15° 00′ East.
	Over level land
40.00	*Set temporary* ¼ *sec. cor.*
60.00	*Leave Flat bears* N. and S. and descend.
70.65	Cross Niobrara River, 200 lks. wide, Course N. and ascend.
80.23	*Intersect N. & S. line,* 17 *lks.* North *of cor. to secs.* 28, 29, 32 and 33 *from which corner, I run* N. 89° 53′ W. *on a true line between sections* 29 and 32.
	Variation 15° 0[illegible] *East.*
40.12	*Set a* Sand *stone* 11 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.*
80.~~29~~ 23	*The corner to sections* 29, 30, 31 and 32.
	Land level. and *hilly*
	Soil 1st and 2nd *rate*
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Dabin, Oct. 7th, 1882

Township 32 North Range 40 West
6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 00' East.
	Over level land
22.20	Cross Road, bears, N. and S.
23.44	Cross Gulch, 125 lks. wide, Course S. E. and ascend.
40.00	Set temporary ¼ sec. cor.
41.00	Top of Hill bears N. W. and S. E. and descend.
73.96	Intersect W. B. of Tp. 35 lks. North of cor. to secs. 25, 30, 31 and 36 from which corner, I run N. 89° ~~46~~ 44' E. on a true line, between sections 30 and 31. Variation ~~14° 58'~~ 15° 00' East.
33.96	Set a Sand stone 14 x 10 x 10 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.
73.96	The corner to sections 29, 30, 31 and 32.
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Compassman David McRay, Oct. 7th 1882.

Township 32 North Range 40 West
6th Principal Meridian

Chains	North, between Sections 29 and 30. Variation 15° 00' East.
	Over level land
25.30	Cross Road, bears, N. E. and S. W.
40.00	Set a Sand stone 12 x 12 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 10 x 10 x 7 ins. 7 ins. in the ground for Cor. to Secs. 19, 20, 29 and 30 marked with 2 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29.
	Variation 15° 05' East.
	Over level land
40.00	*Set temporary ¼ sec. cor.*
46.54	*Cross Road, bears, N.W. and S.E.*
79.94	*Intersect N. & S. line, 31 lks. South of cor. to secs. 20, 21, 28 & 29 from which corner, I run S. 89° 47' W. on a true line between sections 20 & 29.*
	Variation 15° ~~20~~ 05' East.
39.97	*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.*
79.94	*The corner to sections 19, 20, 29 and 30.*
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Dakin, Oct. 9th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30.
	Variation 15° 05' East.
	Over level land
13.00	*Leave Flat bears N. and S. and ascend.*
29.00	*Top of Hill bears N. and S. and descend.*
40.00	*Set temporary ¼ sec. cor.*
73.25	*Cross Gulch, 25 lks. wide, Course N. 75° E. and ascend.*
74.28	*Intersect W. B. of Tp. 4 lks. North of cor. to secs. 19, 24, 25 & 30 from which corner, I run N. 89° 58' E. on a true line, between sections 19 & 30.*
	Variation ~~14° 55'~~ 15° 05' East.
34.28	*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.*
X 74.28	*The corner to sections 19, 20, 29 & 30.*
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	David McRay, Compassman, Oct. 7th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 15° 05′ East.
	Over level land
.68	Cross Road, bears, E. and W.
16.50	Leave Flat bears E. and W. and ascend.
22.25	Top of Hill bears E. and W. and descend.
39.30	Cross Antelope Creek, 25 lks. wide, Course E and over bottom land.
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.
42.00	Leave bottom land, bears E. and W. and ascend.
63.00	Top of Spur, bears E. and W. and descend.
66.87	Cross Wash, 20 lks. wide, Course W. and ascend.
80.00	Set a Sand stone 20 x 10 x 10 ins. 15 ins. in the ground for Cor. to Secs. 17, 18, 19 and 20 marked with 3 notches on S. and 5 notches on E. edges and raised a mound of stone. Pits impracticable.
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 15° 10′ East.
	Ascend.
7.00	Top of Hill bears N. W. and S. E. and descend.
17.90	Cross Wash, 20 lks. wide, Course S. E. and ascend.
31.00	Top of Hill bears N. and S. and descend.
39.00	Cross Wash, 25 lks. wide, Course S. and ascend.
40.00	Set temporary ¼ sec. cor.
43.00	Top of Spur, bears N. and S. and descend.
50.86	Cross Wash, 20 lks. wide, Course S. and ascend.
76.50	Top of Spur, bears N. W. and S. E. and descend.
79.80	Intersect N. & S. line, 8 lks. South of cor. to secs. 16, 17, 20 and 21 from which corner, I run S. 89° 57′ W. on a true line between sections 17 and 20. Variation 15° ~~30~~ 10′ East.
39.90	Set a Sand stone 12 x 6 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, and raised a mound of stone. Pits impracticable.
79.80	The corner to sections 17, 18, 19 and 20.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Dakin, Oct. 7th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19.
	Variation 15° 10' East.
	Descend.
29.73	Cross Antelope Creek, 20 lks. wide, Course S. E. and ascend.
34.50	Top of Hill bears N. W. and S. E. and descend.
40.00	Set temporary ¼ sec. cor.
74.83	Intersect W. B. of Tp. 19 lks. South of cor. to secs. 13, 18, 19 and 24 from which corner, I run S 89° 52' E. on a true line, between sections 18 and 19.
	Variation ~~14° 55'~~ 15° 10' East.
34.83	Set a Sand stone 12 x 10 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
74.83	The corner to sections 17, 18, 19 and 20.
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	David McRay, Compassman, Oct. 7th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 17 and 18
	Variation 15° 10' East.
	Ascend.
5.90	Top of Hill bears N. W. and S. E. and descend.
26.42	Cross Gulch, 25 lks. wide, Course W and ascend.
40.00	Set a Lime 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.
	Top of Spur, bears E. and W. and descend.
44.03	Cross Gulch, 30 lks. wide, Course S. W. and ascend.
61.50	Top of Hill bears N. W. and S. E. and descend.
80.00	Set a Sand stone 17 x 12 x 10 ins. 11 ins. in the ground for Cor. to Secs. 7, 8, 17 and 18 marked with 4 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 15° 05' East.
	Descend.
34.00	Cross Gulch, 225 lks. wide, Course N. W. and ascend.
40.00	Set temporary ¼ sec. cor.
50.00	Top of Spur, bears N. W. and S. E. and descend.
80.09	Intersect N. & S. line, 16 lks. North of cor. to secs. 8, 9, 16 and 17 from which corner, I run N. 89° 53' W. on a true line between sections 8 and 17. Variation 15° 05' East.
40.04	Set a Sand stone 12 x 7 x 3 ins., 5 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.
80.09	The corner to sections 7, 8, 17 and 18. Land mountainous. Soil 3rd rate Vegetation of Bunchgrass and Sagebrush. C. W. Dakin, Oct. 7th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 15° 05' East.
	Ascend.
12.00	Top of Hill bears N. W. and S. E. and Over level land
40.00	Set temporary ¼ sec. cor.
48.00	Leave Tableland and descend.
52.00	Cross Gulch, 20 lks. wide, Course S. and ascend.
60.00	Top of Spur, bears N. and S. and descend.
75.16	Intersect W. B. of Tp. 5 lks. North of cor. to secs. 7, 12, 13 and 18 from which corner, I run N. 89° 58' E. on a true line, between sections 7 and 18, Variation ~~14° 50'~~ 15° 05' East.
35.16	Set a Sand stone 14 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.
75.16	The corner to sections 7, 8, 17 and 18. Land mountainous. Soil 3rd rate Vegetation of Bunchgrass and Sagebrush. David McRae, Compassman, Oct. 7th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, between Sections 7 and 8. Variation 15° 05' East.
	Descend.
20.00	Cross low Sag and ascend.
35.00	Top of Hill bears E. and W. and descend.
40.00	Set a Sand stone 12 x 10 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.
60.00	Enter Flat bears E. and W.
80.00	Set a Sand stone 14 x 10 x 10 ins. 9 ins. in the ground for Cor. to Secs. 5, 6, 7 and 8 marked with 5 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land hilly and level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	East, on a random line between Sections 5 and 8. Variation 15° 00' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
68.80	Cross Wash, 20 lks. wide, Course N. 30° E.
79.71	Intersect N. & S. line, 49 lks. North of cor. to secs. 4, 5, 8 and 9 from which corner, I run N. 89° 39' W. on a true line between sections 5 and 8. Variation 15° 00' East.
39.85	Set a Lime stone 13 x 7 x 7 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.71	The corner to sections 5, 6, 7 and 8.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Baker, Oct. 7th 1882.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	West, on a random line between Sections 6 and 7. Variation 15° 00' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
47.00	Leave Flat bears N. and O. and ascend;
75.48	Intersect W. B. of Tp. 63 lks. North of cor. to secs. 1, 6, 7 and 12 from which corner, I run N. 89° 33' E. on a true line, between sections 6 and 7. Variation ~~14° 00'~~ 15° 00' East.
35.48	Set a Sand stone 14 x 10 x 3 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 O. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
75.48	The corner to sections 5, 6, 7 and 8.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 40 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 5 and 6. Variation 15° 00' East.
	Over level land
23.00	Leave Flat bears E. and W. and ascend.
35.00	Top of Hill bears E. and W. and descend
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.
52.55	Intersect the 8th Standard Parallel North at a point 9.34 chs. West of the Standard Cor. to Secs. 32 and 33. T. 33 N., R. 40 W., at which point I.
	Set a Sand stone 14 x 9 x 5 ins. 7 ins. in the ground for Closing Cor. to Secs. 5 and 6 marked C. C. with 5 notches on E. and 1 notch on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.
	Land rolling.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	David McRay, Compassman, Oct. 7th 1882.

GENERAL DESCRIPTION.

The land in this Township is level, rolling and mountainous, with 3rd rate soil, which produces a heavy growth of Bunch grass and Sagebrush.
It is watered by Nidwara River, Antelope Creek and several small streams which flow through it.
On account of the abundance of good grass and water, the Township is valuable for grazing purposes.
No Timber is found in the Tp.
Wagon roads cross the Township in many directions.
Mr. Newman's house and improvements are in Sec. 28.
Limestone and Sandstone are plentiful, nearly all the corners set, being of one or the other.

U. S. Surveyor General's Office.

Plattsmouth, Neb. 1885

The foregoing Field Notes of the Retracings and surveys of the Subdivision lines of Township No. 32 North of Range No. 40 West of the Principal Base and Meridian in the State of Neb. executed by Charles F. Daken U. S. Deputy Surveyor, under his contract No. 8 dated Feb. 2, 1882, in the month of Oct. 1882, having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

L W Stephenson

U. S. Surveyor-General for

General Land Office • Original Field Notes

Book Number

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

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