General Land Office • Original Field Notes

Book Number

609

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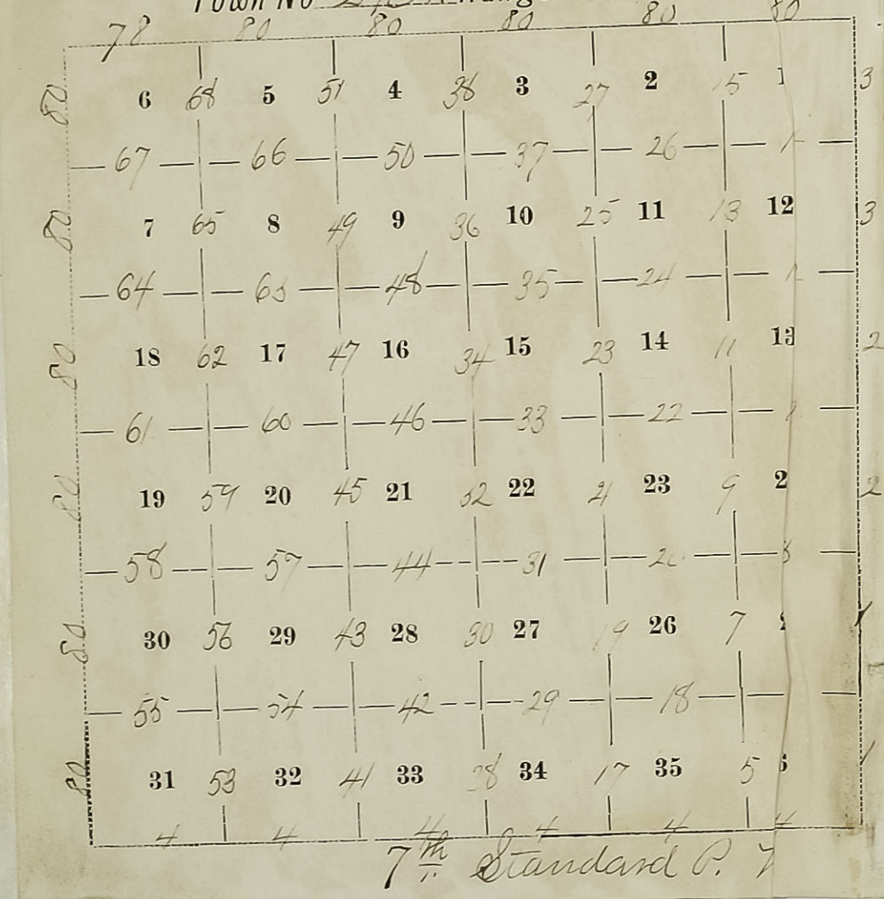
The original surveys in Nebraska began in the mid 1850's and were completed in the mid 1880's. The Nebraska office of the Surveyor General was closed June 30, 1886.

Town No 29 N. Range No 38 W.



Field Notes of Retracing and Subdivision of Township No 29 North of the Base Line of Range No 38 West of the 6th P. M. in Nebraska

Executed by W. T. Richardson U. S. Deputy Surveyor under his Contract No 117, bearing date of August 12th 1880

Survey commenced
May 9th 1881

Survey Completed
Friday May 13th 1881

List of names of assistants
James M. Fox Chainman
W. K. Raphael do
T. J. Howard Moundman
H. C. Hall Flag Man

This Survey was executed with a Light Mountain Transit made by W. and L. E. Gurley of Troy N. Y. No. No. to be found on the instrument tested at the Surveyor Genl's Office and approved by the Surveyor General before entering the Field.

From the Corner to Township 29 North. Ranges 37 & 38 Weston 7th Standard Parallel N.

Irvin

Retracing East Boundary of Township 29 N. R. 35. West.

North on East boundary of Sec 36
Va 14° 30' E

40. w 1/4 Sec cor good condition rebuilt mound from pits 18 x 24 x 12 in deep

80. w Cor to Secs 25 and 36 good condition red cedar stake 2 x 2 x 24 in in East pit.

North on East boundary of Sec 25
Va 14° 30' E.

40. w 1/4 Sec cor ~~good condition~~ a mound & pits rebuilt mound from pits 18 x 24 x 12 in deep

80. w Cor to Secs 24 and 25 ~~good condition~~ a mound & pits rebuilt mound from pits 18 x 24 x 12 in deep nest red cedar stake 2 x 2 x 24 in in E pit.

North on East boundary of Sec 24.
Va 14° 30' E

40. w 1/4 Sec cor ~~good condition~~ a mound & pits rebuilt mound from pits 18 x 24 x 12 in deep

80. w Cor to Secs 13 and 24 mound & pits ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep nest red cedar stake in East pit.

North on East boundary of Sec 13
Va 14° 30' E

40. w 1/4 Sec cor ~~good condition~~ a mound & pits. rebuilt mound from pits 18 x 24 x 12 in deep.

80. w To cor to Secs 12 and 13. ~~good condition~~ a mound & pits Rebuilt mound from pits 18 x 24 x 12 in deep nest red cedar stake in E pit.

Retracing East boundary Tp. 29. N. R. 38. W.

North on East boundary of Sec 12

Va 14° 30' E.

40.00 1/4 Sec cor a Mound & pits ~~[illegible]~~ Rebuilt mound from pits 18 x 24 x 12 in deep.

80.00 Cor to Sec 1 and 12 a Mound & pits ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep reset red cedar stake 2 x 2 x 24 in in E pit.

North on East boundary of Sec 1.

V 14° 30' E

40.00 1/4 Sec cor a Mound & pits. ~~[illegible]~~ Rebuilt mound from pits 18 x 24 x 12 in deep

80.00 Cor to Tps 29. and 30 North Ranges 37. and 38 West Mound & pits ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep reset red cedar stake 2 x 2 x 24 in in E pit

Monday May 2nd 1881.

Retracing S. boundary of Tp 29. N. R. 38. West

Spand Cor the

Commencing at the Est cor of Tp 29 N. Range 37 & 38 W. I run West on S. bdy of Sec 35

Va 14° 25' E

40.00 1/4 sec cor a Mound & pits ~~[illegible]~~ rebuilt mound from pits 18 x 24 x 12

80.00 Cor to Sec 35 & 36 a Mound & pits ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep reset red cedar stake.

West on S. boundary of Sec 35 Va 14° 25' E

40.00 1/4 sec cor a Mound & pits Rebuilt ~~good condition~~ ~~[illegible]~~ reset red cedar stake in pits 18 x 24 x 12 in deep

80.00 West on S. boundary of Sec 34. Va 14° 25' E

40.00 1/4 sec cor poor condition rebuilt mound from pits 18 x 24 x 12 in deep

80.10 Cor to Sec 34 & 33 poor condition rebuilt mound from pits 18 x 24 x 12 in deep. reset red cedar stake

West on S. boundary of Sec 33 Va 14° 25'

39.92 1/4 sec cor ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep.

80.00 Cor to Sec 33 & 32 a Mound & pits ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep reset red cedar stake.

West on S. boundary of Sec 32.

Va 14° 25

39.95 1/4 sec cor ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep

80.08 Cor to Sec 32. and 31 ~~good condition~~ rebuilt mound from pits reset red cedar stake.

W. on S. boundary of Sec 31

Va 14° 25' E

40.04 1/4 sec cor ~~good condition~~ rebuilt mound from pits 18 x 24 x 12 in deep

80.06 Cor to Tp 29. Range 38. and 39 a Mound & pits ~~good condition~~ rebuilt mound reset red cedar stake

Monday May 2nd 1881

Subdivision of Township 29 North Range 38 West of the 6th P.M.

Having obtained by retracing the East boundary of the Tp a Va of 14° 30' E I commence at the cor to sec 35 and 36 on South boundary of Tp and run North between sec 35 and 36

Va 14° 30' E

4.00 Enter marsh run west and N.E.

20.00 Leave marsh and Valley W. & N.E.

40.00 Raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor.

70.00 Deposit charcoal

Raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E. pit for cor to sec 25. 26. 35. and 36.

Land rolling

Soil 2nd rate.

East on a random line bet sec 25 and 36

Va 14° 30' E

38.00 Enter Valley N.E and S.W.

40.00 Set time ¼ sec cor

42.00 Marsh N.E. & S.W.

46.00 Leave marsh N.E. and S.W.

60.00 Leave Valley " " "

79.60 Intersect East boundary of Tp at a point 20 lks N of cor to sec 25 and 36 from which cor I run N 89° 51' West on a true line bet sec 25 and 36

Va 14° 30' E

39.80 Raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

79.60 Cor to sec 25. 26. 35 and 36

Land gently rolling

Soil good 2nd rate

North bet Sec 25. and 26
Va 14° 30' E

1.00 Enter marsh E and W.

7.00 Leave " " " Enter hills

40.00 Raised mound of earth 2½ ft high from pits 18x24x12 in deep for ¼ Sec cor.

80.00 Raised mound of earth 3 ft high from pits 18x24x12 in deep ~~for ¼ sec~~ set red cedar stake 2x2x24 in in S.E. pit for cor to Secs 23. 24. 25 and 26.

Land gently rolling
Soil 2nd rate.

East on a random line
bet Sec 24. and 25
Va 14° 30' E

40.00 Set iron ¼ Sec cor

79.50 Intersect E boundary of Tp at a point 33 chs N of cor to Secs 24 and 25 from which cor I am N. 89° 45' W. on a true line
bet Secs 24 and 25
Va 14° 30' E

39.90 Raised mound of earth 2½ ft high from pits 18x24x12 in deep for ¼ Sec cor

79.50 Cor to Secs 23. 24. 25 and 26

Land rolling
Soil 2nd rate.

Subdivision of Township 29. North — Range 38. West of the 6th P.M.

	N. bet Sec 23. and 24. V 14° 30' E
11.00	Enter Valley E & W
14.50	Boardman Cr 20 chs wide comes East
20.00	Leave Valley E and W.
40.00	Raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor
70.00	Raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set and cedar stake 2 x 2 x 24 in in S.E. pit for cor to Secs 13. 14. 23. and 24

Land rolling
Soil 2nd rate.

	East on a random line bet Secs 13 and 24. V a 14° 30' E
40.00	Set iron ¼ Sec cor
80.00	Intersect East boundary of Tp at cor to Secs 13 and 24 from which cor I run West on a true line bet Secs 13 & 24 V a 14° 30' E
40.00	Raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor
70.00	Cor to Secs 13. 14. 23 and 24.

Land rolling
Soil 2nd rate.

N. Bet Sec 13 and 14
Va 14° 30' E.

5.00 Enter Valley and Marsh E. and W.

24.00 Leave Marsh and Valley E. and W

40.00 Raised mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor.

80.00 Deposit charcoal Raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E. pit for cor to Sec 11. 12. 13. and 14

Land rolling
Soil 2nd rate

East on a random line
Bet Sec 12 and 13.
Va 14° 30' E

40.00 Set tem ¼ Sec cor

79.95 96 Intersect East boundary of township at a point 40 lks North of cor to Sec 12. and 13 from which cor I run N. 89° 43' West on a true line Bet 12. and 13
Va 14° 30' E

39.98 Raised mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor

~~79.96 Raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E. pit for cor to Sec~~

79.96 96 Cor to Sec 11. 12. 13 and 14

Land rolling
Soil 2nd rate.

Subdivision of Township No. 24 North

		N. Bet Sec 11 and 12
		Va 14° 30' E
	18.00	Enter Valley E and W.
24	19.30	" Marsh " "
40	40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor cor on mound in Marsh
8	59.00	Leave Marsh and Valley E and W.
	78.50	Enter Valley E and W.
	80.00	Deposite charcoal Built mound of Earth 3 ft high from pits 18 x 24 x 12 in deep set 1 rd cedar stake 2 x 2 x 24 in in S.E. pit for cor to Secs 1. 2. 11 and 12
		Land rolling
		Soil good 2nd rate

Range No. 35 West of the 6th P.M.

	East on a random line Bet Sec 1 and 12.
	Va 14° 30' E.
26.00	Leave Valley
40.00	Set term ¼ sec cor
80.10	Intersect East bdy of Tp at a point 10 lks N. of cor to sec 1 and 12 from which cor I run N. 89° 55' W. on a true line Bet Sec 1 and 12
	Va 14° 30' E
40.05	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.10	Cor to Sec 1. 2. 11 and 12
	Land Valley 1st rate
	low hills 2nd rate.

Subdivision of Tp 29. North

N. on a random line bet
Sec 1 and 2.

Va 14° 30' E.

2 3.00 Enter Marsh E. and W.

4 29.50 Leave " " " Enter Cor hills
40.00 set Cor 1/4 sec cor

79.72 Intersect N. bdy of Tp at a
point 32 lks West of cor to
Sec 1 and 2. from which cor
I run South 0° 14 West on a true line
bet Sec 1 and 2.

Va 14° 30' E

39.72 Built mound of earth
2½ ft high from pile 18 x 24 x
12 in deep for 1/4 Sec cor

79.72 Cor to Sec 1. 2. 11. 12.
Land rolling
Soil 2nd rate.

Monday May 9th 1881.

Range 38 West of the 6th P.M.

Instrument tested at cor
to Sec 34. and 35 on S. boundary
of Tp by observation of Polaris
at its greatest Eastern Elongation.
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
The Needle made an angle
with the Meridian thus obtained
of 12° 33' + Azimuth of 1° 48' = 14° 21'
the true Va at this point.
Difference between line last run
& true Meridian at this Sta
is 0° 9'
Tuesday May 10th 1881
Time 4th hour 04th minute A.M.
Civil time.

Subdivision of Township 29. North

	N. Vet Sea 34 and 35.
	Va 14° 30' E
25.00	Leave Valley E. and W. Enter low hills
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.00	Deposit charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar slate 2 x 2 x 24 in in S.E. pit for cor to Sea 26. 27. 34. and 35
	Land Valley 1st rate hills 2nd rate.

Range 38 West of the 6th P.M.

	East on a random line.
	Vet Sea 26 and 35
	Va 14° 30' E.
40.00	Set term ¼ sec cor
80.34	Intersect N. and S. line at a point 36 lks South of cor to Sea 25. 26. 35. and 36. from which cor I ran S 89° 45' W west on a true line Vet Sea 26. and 35
	Va 14° 30' E
40.17	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.34	Cor to Sea 26. 27. 34. and 35.
	Land rolling
	Soil 2nd rate.

Subdivision of Tp 29. North

	N. Bet- Sec 26. and 27.
	Va 14° 30' E
5.00	Enter Valley E and W.
36.50	Clifford fork Boardman Cr 20 ch wide course E and W
39.30	Leave Valley E and W enter low hills
40.00	Built- mound of Earth 2½ ft. high from pits 18 x 24 x 12 in deep for ¼ Sec cor Deposit charcoal
80.00	Built- mound of earth 3 ft- high from pits 18 x 24 x 12 in deep set- and cedar stake 2 x 2 x 24 in deep in S.E. pit for cor to Secs 22. 23. 26. and 27.
	Land rolling
	Soil 2nd rate.

Range 35 West of the 6th P.M.

	East on a random line. Bet- Secs 23. and 26.
	Va 14° 30' E
40.00	Set- Corn ¼ Sec cor
80.40	Intersect- N. and S. line at a point- 12 ch South of cor to Secs 23. 24. 25. and 26. from which cor South 89° 55'
	I run, West- on a true line Bet- Secs 23. and 26.
	Va 14° 30' E
40.20	Built- mound of Earth 2½ ft- high from pits 18 x 24 x 12 in deep for ¼ Sec cor
80.40	Cor to- Secs 22. 23. 26. and 27
	Land rolling
	Soil 2nd rate.

Subdivision of Township 29. North

N. Vet Sec 22 and 23
Va 14° 30' E

4.00 Enter Marshey Valley Course E. & W.

34.00 Leave " " " " " "

40.00 Built mound of earth 2½ ft high from pits 18x24x12 in deep for ¼ sec cor

80.00 Deposit charcoal Built mound of earth 3 ft high from pits 18x24x12 in deep set red cedar stake 2x2x24 in in S.E. pit for cor to sec 14. 15. 22. and 23.

Land rolling
Soil 2nd rate.

Range 38 West of the 6th P.M.

E. on a random line Vet Sec 14 and 23
Va 14° 30' E

40.00 Set tem ¼ sec cor

80.00 Intersect N. and S. line at cor to sec 13. 14. 23 & 24 from which cor I run West on a true line Vet Sec 14 and 23.
Va 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18x24x12 in deep for ¼ sec cor

80.00 Cor to sec 14. 15. 22. & 23.

Land rolling
Soil 2nd rate

Subdivision of Township 29. N.

N. Vet Sea 14 and 15
Va 14° 30' E

.20 Enter Marsh run E & W.

23.10 Leave " " " Enter low hills

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep
Deposited charcoal

80.00 Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S. E. pit for cor to Sea 10. 11. 14 and 15

Land rolling
Soil 2nd rate

Range 38 West of the 6th P. M.

East on a random line Vet Sea 11 and 14
Va 14° 30' E

40.00 Set term ¼ sec cor

80.08 Intersect N and S line at a point 31 lks N of cor to Sea 11. 12. 13. and 14 from which cor I run N. 89° 47' West on a true line Vet Sea 11. and 14
Va 14° 30' E

40.04 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80.08 Cor to Sea 10. 11. 14 & 15

Land rolling
Soil 2nd rate

Subdivision of Tp 29 North

	N. bet- sec 10. and 11
	Va 14° 30' E
1.50	Enter marshy Valley course
	E. & W.
12.00	Leave " " "
40.00	Built mound of earth from
	pits 18 x 24 x 12 in depth for 1/4
	sec cor
75.00	Enter Valley course E & W
	Deposit charcoal
80.00	Built mound of earth 3 ft
	high from pits 18 x 24 x 12 in deep
	set- 4 x 4 cedar stake 2 x 2 x 24 in
	in S. E. pit- for cor to Sec
	2. 3. 10. and 11.
	Land Valley & rolling
	Soil 2nd rate.

Range 3 W West of the 6th P.M.

	E. on a random line bet-
	sec 2 and 11.
	Va 14° 30' E
40.00	Set- temp 1/4 sec cor
41.00	Leave Valley course N.E. & S.W.
80.00	Intersect N. & S. line at a point
	21 chs South of cor to sec 1. 2.
	11. & 12 from which cor I run
	S. 89° 51' West on a
	true line bet- sec 2 and 11
	Va 14° 30' E
40.00	Built mound of earth 2 1/2 ft
	high from pits 18 x 24 x 12 in deep
	for 1/4 sec cor.
80.00	Cor to Sec 2. 3. 10. 11.
	Land Valley 1st rate
	Hills 2nd rate

Subdivision of Township 29. N.

on a random line
N. Vet Secs 2 and 3
Va 14° 30' E

25. w Leave Valley runs S.E and N.W.
40. w Set temp 1/4 Sec cor
79.85 Intersect N. boundary of Tp at a point 17 etc West of cor to Secs 2 and 3 (Cor a mound with pits and red cedar stake 2x2x24 in in E pit) from which cor I run S. on a true line Vet Secs 2 and 3
Va 14° 30' E
39.85 Built mound of Earth 2 1/2 ft high from pits 18x24x12 in deep for 1/4 Sec cor
79.85 Cor to Secs 2. 3. 10. and 11
Land rolling
Soil 2nd rate.

Tuesday May 10th 1881.

Range 38 West of the 6th P.M.

N. Vet Secs. 33. and 34
Va 14° 30' E

30. w Small drain E & W 1 ch wide
40. w Built mound of earth 2 1/2 ft high from pits 18x24x12 in deep for 1/4 Sec cor
80. w Definite charcoal Built mound of earth 3 ft high from pits 18x24x12 in deep set red cedar stake 2x2x24 in in S.E pit for cor to Secs 27. 28. 33. and 34.
Land rolling
Soil 2nd rate.

Subdivision of Sec 29. North

East on a random line bet-
ween 27. and 34.
Va 14° 30' E

37.00 Enter Valley course N. and S.
40.00 Set 1/4 Sec cor
62.10 Leave Valley bear N. E. and S. W
80.12 Intersect N. and S. line at a
point 11 lks N of cor to secs
20. 27. 34. and 35 from which
cor I run N. 89° 55' West on a
true line bet Sec 27. and 34
Va 14° 30' E.
40.05 Built mound of earth 2½
ft high from pits 18 x 24 x 12 in
deep for 1/4 Sec cor
80.12 Cor to Secs 27. 28. 33. and 34.
Land rolling
Soil 2nd rate.

Range 38 West of the 6th P.M.

N. bet Secs 27. and 28
Va 14° 30' E.
40.00 Built mound of earth
2½ ft high from pits 18 x 24 x 12
in deep for 1/4 sec cor
80.00 Built mound of earth 3 ft
high from pits 18 x 24 x 12 in
deep set and cedar stake 2 x 2 x 24 in
S. E pit for cor to secs 21. 22.
27. and 28.
Land rolling
Soil 2nd rate.

Subdivision of Tp 29. North

East on a random line
Vet - Sec 22. and 27.
Va 14° 30' E.

12.00 Valley bears N. W & S. E.
40.00 Set - tem 1/4 Sec cor
67.00 Leave Valley N. W. & S E
79.92 Intersect N. & S. line at a point 20 lks N. of cor to Sec 22. 23. 26. and 27. from which cor I run N. 89° 51' W on a true line Vet - Sec 22. and 27.
Va 14° 30' E.
39.96 Built - mound of earth 2½ ft - high from pits 18 x 24 x 12 in deep for 1/4 Sec cor
79.92 Cor to Sec 21. 22. 27. and 28
Land Valley 1st - rate
Rolling land 2nd "

Range 38. West of the 6th P.M.

N. Vet - Sec 21. and 22.
Va 14° 30' E
27.00 Valley bears E and W
37.00 Leave Valley " " "
40.00 Built - mound of earth 2½ ft - high from pits 18 x 24 x 12 in deep for 1/4 Sec cor
80.00 Deposit charcoal Built - mound of earth 3 ft - high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S. E. pit for cor to Sec 15. 16. 21. 22.
Land gently rolling
Soil good 2nd rate.

Subdivision of Tp 29. North

East on a random line bet. Sec 15 and 22

Va 14° 30' E

40.00 Set tem 1/4 sec cor

79.84 Intersect N. and S line at cor to Sec 14, 15, 22, and 23 from which cor I run West on a true line bet Sec 22 and 15

Va 14° 30' E

39.92 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

79.84 Cor to Sec 15, 16, 21, 22

Land rolling

Soil 2nd rate.

Range 38 West of the 6th P.M.

North bet Sec 15 and 16

Va 14° 30' E.

7.00 Enter Valley bears N.E & W

37.00 Creek 5 lks wide course N.E.

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

48.00 Leave Valley bears E and W

80.00 Deposit charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E. pit for cor to Sec 9, 10, 15, and 16

Land Valley 1st rate

Low hills 2nd rate.

Subdivision of Tp 29. North

East on a random line
Vet Sea 10. and 15
Va 14° 30' E

18.50 Marshey Valley course N.E. & S.W.
x62.00 Leave Valley Enter hilly
40.00 Set Tem 1/4 sec cor
x80.05 Intersect N. & S. line at a point
21. lks South of cor to sec 10. 11
14 and 15 from which cor I run
South 89° 51' West on a true
line Vet Sea 10. and 15
Va 14° 30' E

40.029 Built mound of earth 2½
ft high from pits 18 x 24 x 12 in
deep for 1/4 sec cor
80.05 Cor to sec 9. 10. 15. and 16

Land rolling
Soil 2nd rate

Range 35 West of the 6th P.M.

North Vet Sea 9 and 10
Va 14° 30' E

40.00 Built mound of earth 2½ ft
high from pits 18 x 24 x 12 in deep
for 1/4 sec cor
52.00 Enter Valley Vein N.E. and S.W.
Deposits charcoal
80.00 Built mound of earth 3 ft
high from pits 18 x 24 x 12 in
deep set red cedar stake 2 x 2 x 24 in
in S.E. pit for cor to sec 3. 4.
9 and 10.

Land rolling and Valley
Soil good 2nd rate

Subdivision of Tp 29. North

	East on a random line bet- sec 3 and 10.
	Va 14° 30' E.
40. 00	Set-term 1/4 sec cor
50. 50	Leave Valley bear N. E. and S. W
62. 00	Enter " " " "
79. 90	Intersect N. and S. line at a point 16 lks South of cor to sec 2. 3. 10. and 11. from which cor I run South 89° 53' West on a true line bet sec 3 and 10
	Va 14° 30' E
39. 95	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
79. 90	Cor to sec 3. 4. 9. and 10.
	Land Valley 1st rate
	Rolling 2nd rate.

Range 35 west of the 6th P.M.

	N. on a random line bet sec 3 and 4.
	Va 14° 30' E.
20. 00	Leave Valley bear N. E. and S. W
40. 00	Set-term 1/4 sec cor
80. 10	Intersect N. bdy of Tp at cor to sec 3 and 4. (Cor a mound & pits red cedar stake in pit good condition) from which cor I run South on a true line bet sec 3 and 4
	Va 14° 30' E
40. 10	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
80. 10	Cor to sec 3. 4. 9. and 10
	Land rolling
	Soil 2nd rate.

Wednesday May 11th 1881

Subdivision of Tp. 29. North

Range 35. West of the 6th P.M.

Instrument located at cor to Sec 32. and 33 on S. boundary of Township by observation of Polaris at its greatest Eastern Elongation 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 the needle made an angle of 12° 33' with the meridian then obtained + Approximate of 1° 48' = 14° 21' the true Va at this point Difference between true last-mn & true Va at this point of 0° 9'

Time 3h 56m A. M. Civil time

Thursday May 12th 1881.

Subdivision of Tp 29. North

From the cor to sec 32. and 33 on S. boundary of Tp. Cor a mound with red cedar post in pit in good condition. I run N. bet sec 32. & 33

Va of 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18x24x12 in deep for ¼ sec cor

43.00 Enter Valley bears E & W

53.00 leave " "

Deposits charcoal

80.00 Built mound of earth 3 ft high from pits 18x24x12 in deep pet red cedar stake 2x2x24 in in S. E. pit for cor to sec 28. 29. 32. and 33

Land rolling

Soil 2nd rate

Range 38. West of the 6th P.M.

East on a random line bet sec 28. and 33

Va 14° 30' E

40.00 Set term ¼ sec cor

79.78 Intersect N. and S. line at a point 12 lks south of cor to sec 27. 28. 33. and 34 from which cor I run S. ∇ 9° 55' West on a true line bet sec 28. and 33

Va 14° 30' E

39.89 Built mound of earth 2½ ft high from pits 18x24x12 in deep for ¼ sec cor

79.78 Cor to sec 28. 29. 32. and 33

Land rolling

Soil 2nd rate.

Subdivision of Tp 29. North

North bet Sec 28. and 29
Va 14° 30' E.

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

50.00 Marshy Valley bears N.E. and S.W.

80.00 Deposit charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar slath 2 x 2 x 24 in in S. E. pit for cor to Sec 20. 21. 28. and 29.

Land rolling
Soil 2nd rate.

Range 38 West of the 6th P.M.

East on a random line
bet Sec 21 and 28.
Va 14° 30' E.

19.50 Leave Valley bears N.E. & S.W.

40.00 Set term ¼ sec cor

79.68 Intersect N. & S line at a point 32 lks South of cor to Sec 21. 22. 27 & 28 from which cor I am South 89° 46' West on a true line bet Sec 21. and 28

Va 14° 30' E.

39.84 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep set red for ¼ sec cor

79.68 cor to Sec 20. 21. 28. and 29

Land rolling
Soil 2nd rate.

Subdivision of Tp 29. North

N. Vet Sec 20 and 21
Va 14° 30' E.

10.00 Leave Marshy Valley bear N. E. and S. W.

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor

80.00 Fifteen charcoal Built mound of Earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S. E. pit for cor to Sec 16. 17. 20. and 21.

Land gently rolling
Soil good 2nd rate

Range 35 West of the 6th P.M.

East on a random line
Vet Sec 16. and 21.
Va 14° 30' E

40.00 Set term ¼ Sec cor

79.73 Intersect N and S line at a point 25 lks South of cor to Sec 15. 16. 21. and 22.
from which cor I run South 89° 48' W on a true line Vet Sec 16. and 21
Va 14° 30' E.

39.86 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor

79.73 Cor to Sec 16. 17. 20. and 21

Land rolling & rough.
Soil 3rd rate

Subdivision of Tp. 29. North

N. Vet Sea 16. and 17.
Va 14° 30' E.

24.00 Entr Marshy Valley Near E & W
38.00 Leave " " "
40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
~~80.00 Cor to Sea 8. 9. 16. and 17.~~
80.00 Deposits charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S. E pit for Cor to Sec 8. 9. 16. and 17

Land rolling
Soil 2nd rate.

Range 38 West of the 6th P. M.

East on a random line
Vet Sea 9 and 16.
Va 14° 30' E.

40.00 Set term ¼ Sec cor
79.94 Intersect 20 lks South of cor to Sec 9. 10. 15. and 16 from which cor I run ~~W~~ South 89° 51' West on a true line Vet Sec 9 and 16
Va 14° 30' E
39.97 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep ~~set red cedar~~ for ¼ sec cor
79.94 Cor to Sec 8. 9. 16. and 17

Land rolling
Soil 2nd rate.

Subdivision of Tp 29. North

N. Vet Sec 8 and 9.
Va 14° 30' E

15.50 Enter Valley bear N.E. & S.W.

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor.

65.00 Leave Valley bear N.E. & S.W.

80.00 Deposits charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar slath 2 x 2 x 24 in in S.E. pit for cor to sec 4. 5. 8. and 9.

Land rolling
Soil 2nd rate.

Range 38 West of the 6th P.M.

East on a random line
Vet Sec 4 and 9
Va 14° 30' E

40.00 Set tem ¼ sec cor.

52.00 Enter Valley bear N.E. & S.W.

80.06 Intersect N. & S. line at a point 7 lks N. of cor to sec 3. 4. 9. and 10.
from which cor I run
N. 89. 57' West on a true line
Vet Sec 4 and 9
Va 14° 30' E.

40.03 Built mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80.06 Cor to sec 4. 5. 8 and 9

Land rolling
Soil 2nd rate.

Subdivision of Tp 29. North

N. bet sec 4 and 5. on random line.

Va 14° 30' E.

40.00 Set term 1/4 sec cor

80.14 Intersect N. boundary of Tp at a point 37 ch West of cor to sec 4 and 5. (cor a mound & pile red cedar slate in pit in good condition)

from which cor I run

S. 0° 16' West on a true line bet sec 4 and 5

Va 14° 30' E

40.14 Built mound of Earth 2½ ft high from pile 18 x 24 x 12 in deep for 1/4 sec cor

80.14 Cor to sec 4. 5. 8 and 9.

Land rolling

Soil 2nd rate.

Thursday May 12th 1881

Range 38. West of the 6th P.M.

Instrument tested at cor to sec 31. and 32 on S. bdy of Tp by observation of Polaris at its greatest Eastern Elongation 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. The needle made an angle with the meridian then obtained of 12° 34' + Azimuth of 1° 48' = 14° 22' the true Va at this Sta.

Difference between line last run and true meridian of 0° 8'

Time Friday May 13th 1881

3h 52' m A.M. Civil Time.

Subdivision of Twp 29 North

North bet Sec 31. and 32
Va 14° 30' E.

35. w Enter Valley Dran E. and S. W.

40. w Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

44. w Leave Valley Dran E. and N. W.

50. w Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set and cedar stake 1 x 2 x 24 in in S.E. pit for cor to Secs 29. 30. 31. and 32.

Land rolling
Soil good 2nd rate.

Range 38 West of the 6th P.M.

East on a random line
bet Secs 29. and 32
Va of 14° 30' E.

40. w Set line ¼ sec cor

50. w Intersect N and S line at a point 25 chs South of cor to Secs 28. 29. 32. and 33. from which cor I run South 59° 45' West on a true line bet Secs 29. and 32
Va 14° 30' E.

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80.00 Cor to Secs 29. 30. 31. and 32.

Land rolling
Soil 2nd rate.

Subdivision of Tp 29. North

	West on a random line between Sec 30. and 31
	Va 14° 30' E
40.00	Set line 1/4 sec cor
79.68	Intersect West bdy of Tp at a point 23 lks N of cor to Sec 31. and 30 (cor a mound & pile red cedar slate in pit good condition)
	from which cor I run N. 89° 50' East on a true line bet Sec 30 and 31.
	Va 14° 30' E.
39.68	Built mound of earth 2½ ft high from pile 18 x 24 x 12 in deep for 1/4 sec cor
79.68	Cor to sec 29. 30. 31. and 32
	Land rolling
	Soil 2nd rate.

Range 38 West of the 6th P.M.

	N. bet Sec 29. and 30.
	Va 14° 30' E
40.00	Built mound of earth 2½ ft high from pile 18 x 24 x 12 in deep for 1/4 sec cor.
72.00	Valley bear N.W. and S.E.
80.00	Deposit charcoal Built mound of earth 3 ft high from pile 18 x 24 x 12 in deep set red cedar slate 2 x 2 x 24 in in S.E. pit for cor to sec 19. 20. 29 and 30
	Land gently rolling
	Soil 2nd rate.

Subdivision of Twp 29. North Range 35 West of the 6th P.M.

East on a random line
Cor to Secs 20 and 29
Va 14° 30' E.

7.00 Leave Valley bears N.W. and S.E.
40.00 Set 1/4 Sec cor
48.00 Enter Valley from N.E.
80.23 Intersect N. and S. line at a point 15 chs N. of cor to Secs 20. 21. 28 and 29. from which cor I run
N. 89° 54' West on a true line
Cor to Secs 20 & 29.
Va 14° 30' E

40.11 Built mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 Sec cor
80.23 Cor to Secs 19. 20. 29. and 30
Land nothing
Soil 2nd rate

West on a random line
Cor to Secs 19 and 30.
Va 14° 30' E.

5.00 Leave Valley bears N.W. & S.E.
40.00 Set 1/4 Sec cor
79.28 Intersect West bdy of Twp at a point 7 chs South of cor to Secs 19 and 30 (cut a mound with pit & red cedar stake in pit) from which cor I run
S. 89° 57' E. on a true line bet Secs 19 and 30
Va 14° 30' E

39.28 Built mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 Sec cor
79.28 Cor to Secs 19. 20. 29 & 30
Land nothing
Soil 2nd rate.

Subdivision of Tp 29. North

	N. Vet Sec 19. and 20
	Va 14° 30' E
10.00	Leave Valley bear N. W. & S. E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
43.00	Enter Valley bear N. E. and S. W
80.00	Deposit charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S. E. pit for cor to Sec 17. 18. 19. & 20
	Land gently rolling
	Soil 2nd rate

Range 35 West of the 6th P.M.

	East Vet Sec 17. and 20
	Va 14° 30' E
9.50	Leave Valley bear N. E. & S. W.
40.00	Set tem ¼ sec cor
80.00	Intersect N. and S. line at cor to Secs 16. 17. 20 & 21 from which cor 0 mm West on a true line between Secs 17. and 20
	Va 14° 30' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.00	Cor to Sec 17. 18. 19. and 20
	Land rolling
	Soil 2nd rate

Subdivision of Tp 29. North

	West on a random line between Sec 18 and 19
	Va 14° 30' E
13.00	Leave Valley N. E. and S. W.
40.00	Set 1/4 sec cor
79.10	Intersect West bdy of Tp at a point 25 lks S. of cor to Sec 18. and 19. (cut a mound of pits and cedar stake in pit good condition)
	from which cor I am
	S. 89° 48' E. on a true line bet Sec 18. and 19.
	Va 14° 30' E
39.10	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
79.10	cor to sec 17. 18. 19. 20

Range 35 West of the 6th P.M.

	N. bet Sec 17. and 18.
	Va 14° 30' E
2.00	Leave Valley from N.E and S. W
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
80.00	Opposite charcoal Built mound of earth 3 ft high from pits 18 x 24 x 12 in deep set and cedar stake 2 x 2 x 24 in in S. E. pit for cor to sec 7. 8. 17. and 18.
	Land rolling
	Soil 2nd rate

Subdivision of Tp 29. North

	East on a random line
	Vet sec 8. and 17.
	Va 14° 30' E.
40.00	Set tem 1/4 sec cor
79.82	Intersect N. & S. line at a
	point 21 lks South of cor to
	Secs 8. 9. 16. and 17. from
	which cor I run S. 89° 51' W.
	En a true line Vet sec 8. & 17
	Va 14° 30' E
39.91	Built mound of earth
	2½ ft high from pits 18 x 24 x
	12 in deep for 1/4 sec cor
79.82	Cor to Secs 7. 8. 17. and 18
	Land rolling
	Soil 2nd rate.

Range 38 West of the 6th P.M.

	West on a random line
	between Secs 7. and 18
	Va 14° 30' E.
~~40.00~~ 7.00	Enter Valley bear N. E. and S. W
40.00	Set tem 1/4 sec cor
78.76	Intersect West bdy of Tp at a
	point 18 lks N. of cor to sec
	7. and 18. (cor a mound & pits
	and cedar stake in pit.)
	from which cor I run
	N. 89° 51' E on a true line
	Vet sec 7. and 18
	Va 14° 30' E
38.76	Built mound of earth
	2½ ft high from pits 18 x 24 x 12 in
	deep for 1/4 sec cor
78.76	Cor to sec 7. 8. 17. and 18.
	Land rolling
	Soil 2nd rate.

Subdivision of Tp. 29 North

	N. bet - Sec 7 and 8.
	Va 14° 30' E.
7.00	Enter Valley bear N. E. and S. W.
40.00	Built - mound of earth 2½ ft - high from pits 18 x 24 x 12 in deep for ¼ sec cor.
52.00	Leave Valley bear N. E. & S. W.
80.00	Opposite charcoal Built - mound of earth 3 ft - high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S. E. pit for cor to Sec 5. 6. 7. and 8.
	Land gently rooling
	Soil good 2nd rate.

Range 38 West of the 6th P.M.

	East - on a random line bet - Sec 5 and 8.
	Va 14° 30' E.
40.00	Set - temp ¼ sec cor
79.85	Intersect - N. and S. line at a point - 27 lks South of cor to Sec 4. 5. 8 & 9. from which cor Dam S. 89. 48' W. on a true line bet - Sec 5 and 8
	Va 14° 30' E
39.92½	Built - mound of earth 2½ ft - high from pits 18 x 24 x 12 in deep for ¼ sec cor
79.85	Cor to Sec 5. 6. 7. and 8.
	Land rooling
	Soil 2nd rate.

Subdivision of Tp 29. North

West on a random line bet. Sec 6. and 7.

Va 14° 30' E

40.00 Set term 1/4 Sec cor

78.43 Intersect West bdy of Tp at a point 19. lks South of cor to Sec 7. & 6. (cor a mound & pits slate in pit good condition) from which cor I run S. 89° 52' E on a true line bet. Sec 6. and 7

Va 14° 30' E

38.43 Built mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

78.43 Cor to Sec 5. 6. 7. and 8

Land rolling

Soil 2nd rate.

Range 38. West of the 6th P.M.

North on a random line bet. Sec 5 and 6

Va 14° 30' E.

40.00 Set term 1/4 Sec cor

80.10 Intersect N. bdy of Tp at a point 32. lks West of cor to Sec 5 and 6. (cor a mound & pits slate in pit good condition) from which cor I run S. 0° 14' W. on a true line bet. Sec 5 & 6

Va 14° 30' E

40.10 Built mound of Earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

80.10 Cor to Sec 5. 6. 7. and 8

Land rolling

Soil 2nd rate.

Friday May 13th 1881

General Description page 75

See last page for General Description

Names of Assistants

A list of the names of the assistants employed in running measuring and marking the lines and corners described in the foregoing field notes of Township No. North of the Base Line of Range No. 38. West of the 6th P.M. in Nebraska showing the respective capacities in which they acted.

James M. Fox	Chairman
W. K. Raphael	Do
T. J. Howard	Moundman
H. C. Hall	Flag man

State of Nebr
Lincoln Co } ss

We hereby certify that we assisted W. T. Richardson United States Deputy Surveyor in Surveying and sub-dividing Township No. 29. N. of the Base Line of Range No. 38. 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 Genl of dimension character construction and marking and in the manner specially described in the foregoing Field Notes.

James M. Fox Chairman
Wm. K. Raphael Do
T. J. Howard Moundman
H. C. Hall Flag man

Subscribed and Sworn to before me May 28th 1885
Wm Neville
Notary Public

State of Nebr }ss
Lincoln Co }

I, W. T. Richardson United States Deputy Surveyor do solemnly swear that I have in my own proper person with the necessary assistants, well truly and faithfully executed the intracement and subdivisional survey of Township No. 29. North of the Base Line of Range No. 38. west of the 6th P. M. in Nebraska under joint contract with George S. Smith United States Surveyor Genl for the District of Iowa and Nebraska bearing date of August 12. 1881 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 Surveyor General and such additional instructions

time as have been furnished me by and through the said Surveyor Genl, relating to the aforesaid survey that I have thoroughly acquainted my assistants in field with the nature of their duties under the laws and instructions above mentioned. That to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions. And that the annexed Field Notes are the original true and correct return of the said Survey.

W. T. Richardson

Subscribed in my presence and sworn to before me this 28th day of May 1881.

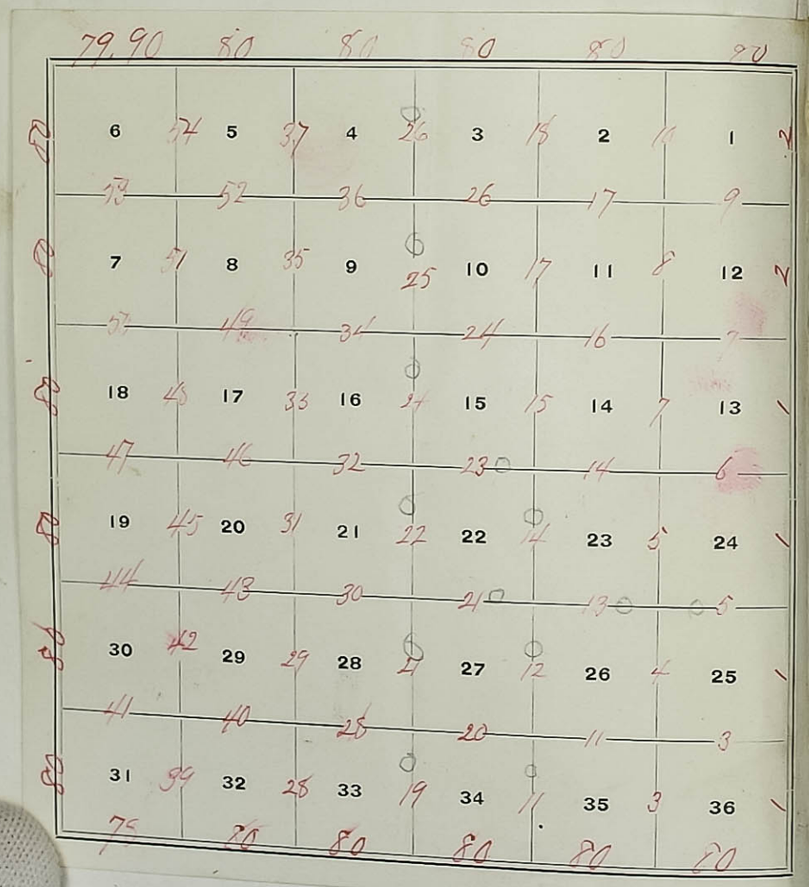
Wm Neville
Notary Public.

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

The foregoing field notes of the retracement of boundaries and survey and subdivision of Township No. 29 North of the Base Line of Range No. 38 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 1880. in the month of May 1881 having been carefully examined, the necessary corrections and explanations made the said field notes and the survey they describe are hereby approved.

Geo. S. Smith
Surveyor General

General Description
Township 29 N. Range
38 West of 6th P.M. is
well watered by Board-
man Creek & Clifford
for K. There is little or
no timber in the
township. The Valleys
are of 1st rate soil
& covered with the
best of grasses prin-
cipally Buffalo &
Gramma - I discovered
no stone mineral or
Coal. The Valleys of
Boardman & Clifford
Could be irrigated



Field Notes of Retracing and Subdivision of Township No. 30 North of the Base Line of Range No. 38 West of the 6th P. M. in Nebraska.

Executed by W. T. Richardson U. S. Deputy Surveyor under his contract No. 117 bearing date of August 12th 1850.

Survey commenced
May 2nd 1851

Survey completed
May 7th 1851

List of names of assistants

James M. Fox, Chainman
W. K. Raphael do
T. J. Howard Memorandum
H. C. Hall Flagman

This Survey was executed with a Light Mountain transit made by W. and L. E. Gurley of Troy N.Y. No No. to be found on the instrument. Tested at the Surveyor Generals Office and approved by the Surveyor General before entering the field.

Retracement of East Boundary of Tp. 30. North Range 38. West. 6. P.M.

Commencing at the cor to Tps 29 and 30. N. Ranges 37. and 38 West I run N. along the East boundary of Sec 36.

Va 14° 30' E

39.96 1/4 Sec cor a mound & pits in good condition

80.04 cor to sec 25. and 36 good condition

Mound & pits cedar stake 2x2x24 in E. pit

N. on East boundy of Sec 25

Va 14° 30' E.

7.00 Black Hills and Grand Island Road

40.00 1/4 Sec. cor. a mound & pits in good condition

80.03 cor to sec 24 and 25 a mound & pits good condition

Mound & pits cedar stake 2x2x24 in E. pit

N. on East boundary of Sec 24

Va 14° 30' E

40.00 1/4 Sec corner mound & pits in good condition cedar stake 2x2x24 in E. pit

74.00 Edge of marsh on S. side Snake River

75.60 Snake River 50 lks wide

80.00 cor to sec 13 and 24 in marsh witness cor 11 ch north good condition

Mound & pits cedar stake 2x2x24 in

Retracing E. boundy Tp 30. N. R. 38 W. 6th P.M.

in E. pit.

N. on E boundy Sec 13.

Va 14° 30' E

40.00 1/4 Sec cor mound & pits in good condition red cedar

80.09 Cor to Secs 12 and 13 mound & pits in good condition red cedar slate in E. pit

N. on E. line of Sec 12.

Va 14° 30' E

40.00 1/4 Sec cor mound & pits good condition

79.97 Cor to Secs 1 and 12 mound and pits good condition red cedar slate 2x2x24 in in E. pit.

N. on East boundary of sec 1

Va 14° 30' E

39.92 1/4 Sec cor good condition

80.06 Cor to Tps 30. and 31. Ranges 37 & 38 W a Mound good condition red cedar slate 2x2x24 in

Monday May 2nd 1881

Subdivision Tp 30. N. R. 38. West 6th P.M.

Having obtained by retracing E. boundary of the Tp a Va of 14° 30' E I commence at the cor to secs 35 and 36. on S. boundary of Tp & run N. on a true line bet secs 35. and 36.

Va 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18x24x12 in deep for 1/4 Sec cor

80.00 Deposite charcoal raised mound of earth 3 ft high from pits 18x24x12 in deep drove red cedar slate in SE pit for cor to secs 25. 26. 35 and 36.

Land rolling

Soil 2nd rate.

E on a random line between Secs 25. and 36

Va 14° 30

40.00 Set term 1/4 sec cor

80.25 Intersect East boundary of Tp at

Subdivision of Township 30. North Range 38. West 6th P.M.

a point 20 lks N of cor to sec 25 & 36 from which cor I run N 89° 51' West on a true line between sec 25 and 36.

Va 14° 30' E

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

80.25 Cor to sec 25. 26. 35 and 36.

Land rolling

Soil 2nd rate.

N. between sec 25. and 26

Va 14° 30' E

13.50 Grand Island and Black Hills Road Bears E and W.

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80.00 Deposite charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E pit for cor to sec 25. 26. 23. and 24

Land rolling.

Soil 2nd rate.

E on a random line between sec 24 and 25

Va 14° 30' E

40.00 Set temporary ¼ sec cor

80.21 Intersect E boundary of Tp 36 lks North of cor to sec 24. and 25. from which cor I run N 89° 45' W. on a true line between sec 24 and 25

Va 14° 30' E

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

80.21 Cor to sec 23. 24. 25. and 26.

Land rolling

Soil 2nd rate.

N. between sec 23. and 24

Va 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor.

78.00 Snake River bears N.E. 50 lks wide

80.00 Deposite charcoal raise mound of ~~your~~ earth 3 ft high from

pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in S.E pit for cor to sec 13. 14. 23. and 24
Land rolling
Soil 2nd rate

E. on a random line bet sec 13. and 24.
Va 14° 30' E

00.23 Edge of water in Snake River 30 e.k wide run E. & W.
8.00 Leave N. bank Snake River
40.00 Set term 1/4 sec cor
Toleys Ranche about 20 chains South East.
80.10 Intersect E. boundary of Tp at cor to sec 13. and 24. from which cor I run West on a true line between sec 13. and 24
Va 14° 30' E
40.05 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 sec 13. 14. 23. and 24
Land rolling
Soil 2nd rate.

N. between sec 13 and 14
Va 14° 30' 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 raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E pit for cor to sec 11. 12. 13 & 14
Land rolling
Soil 2nd rate.

E. on a random line between sec 12. and 13
Va 14° 30' E
40.00 Set term 1/4 sec cor
79.83 Intersect E. boundary of Tp at a point 44 ch N. of cor to sec 12. & 13 from which cor I run N 89° 41' W West on a true line between sec 12. and 13.
Va 14° 30' E
39.9[illegible] Built mound of earth 2½ ft

Subdivision of Township 30. North

	high from pile 18 x 24 x 12 in deep for 1/4 sec cor
79.83	Cor to secs 11. 12. 13. and 14
	Land rolling
	Soil 2nd rate.
	N. between Secs 11. and 12.
	Va 14° 30' E
40.00	Built mound of earth 2½ ft high from pile 18 x 24 x 12 in deep for 1/4 sec cor
80.00	Deposit charcoal raise mound of earth 3 ft high from pile 18 x 24 x 12 in deep set red cedar slate 2 x 2 x 24 in in S.E pit for cor to secs 1. 2. 11. and 12
	Land rolling
	Soil good 2" rate.

Range 38 West of the 6th P.M.

	East on a random line between Secs 1. and 12
	Va 14° 30' E
40.00	Set temp 1/4 sec cor
79.70	Intersect E. boundary of Tp at a point 28 eks N. of cor to secs 1 and 12. from which cor I run N 89° 48' West on a true line between secs 1 and 12.
	Va 14° 30' E
39.85	Built mound of earth 2½ ft high from pile 18 x 24 x 12 in deep for 1/4 sec cor
79.70	Cor to secs 1. 2. 11. and 12
	Land rolling
	Soil good 2" rate.

Subdivision of township 30. N.

N. on a random line between
sec 1. and 12
Va 14° 30' E

40.00 Set temporary 1/4 sec cor
80.78 Intersect N. boundary of
Township at a point
56. lks East of cor to sec
1. and 2 from which cor I
run South 0° 24' E on a true line between
sec 1 and 2.
Va 14° 30' E

40.78 ~~39.78~~ Built mound of earth
2½ ft high from pile 18 x 24 x
12 in deep for 1/4 sec cor
80.78 Cor to sec 1. 2. 11. and 12
Land gently rolling
— Soil good 2nd rate.

Tuesday May 3rd 1881

Range 38 West of the 6th P. M.

N. between sec 34. and 35
Va 14° 30' E

2.50 Enter Valley bear E and W.
40.00 Built mound of earth
41.50 Leave Valley
2½ ft high from pile 18 x 24 x 12
in deep for 1/4 sec cor

80.00 Deposit charcoal raised
mound of earth 3 ft high
from pile 18 x 24 x 12 in deep
set red cedar stake 2 x 2 x 24 in
in S.E. pit for cor to sec
26. 27. 34. and 35
Land rolling & Valley
Soil 1st and 2nd rate.

E. on a random line between
sec 26. and 35
Va 14° 30' E

40.00 Set tem 1/4 sec cor
79.70 Intersect N. & S. line at a point
28 lks South of cor to section

Subdivision of Township 30. N.

25. 26. 35 and 36 from which cor I run S. 89°48' West on a true line bet- sec 26. and 35

Va 140 ~~42'~~ 30' E.

39.85 Built mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for ¼ sec cor

79.70 Cor to sec 26. 27. 34 and 35

Land rolling

Soil 2nd rate.

N. between sec 26. and 27

Va 14° 30' E

21.50 Grand Island and Black Hills Road

40.00 Built mound of earth 2½ ft. high from pits 18 x 24 x 12 in deep for ¼ sec cor

80.00 Deposit charcoal raise mound of earth 3 ft. high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E pit for cor to sec 22. 23. 26. 27

Range 38 west of the 6th P. M.

Land rolling

Soil good 2" rate

East on a random line bet- sec 23 and 26

Va 14° 30' E.

40.00 Set term ¼ sec cor

80.10 Intersect N. & S. line at a point 15 lks S. of cor to sec 23. 24. 25. 26. from which cor I run S 89°54' West on a true line bet- sec 23 and 26

Va 14° 30' E

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

80.10 Cor to sec 22. 23. 26. and 27

Land rolling

Soil 2nd rate.

Subdivision of Township 38 North

N. between Sec 22. and 23
Va 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

58.00 Snake River Valley bear E. & W

60.50 Snake River 30 lks wide

64.00 Leave Snake River Valley enter low hills

80.00 Deposit charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep for set red cedar stake 2 x 2 x 24 in in S E pit for cor to Sec 14. 15. 22. 23

Land Valley 1st rate hills 2nd rate

East between Sec 14 and 23
Va 14° 30' E

40.00 Set temporary ¼ sec cor

79.90 Intersect N. & S. line at a

Range 38 West of the 6th P. M.

point 10 lks South of cor to Sec 13. 14. 23 and 24.
from which cor I run S. 89.56' West on a true line between Sec 14. and 23
Va 14° 30' E

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

79.90 cor to Sec 14. 15. 22. and 23

Land gently rolling
Soil good 2nd rate.

N. between Sec 14 and 15
Va 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80.00 Deposit charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in

Subdivision of Township 30 North

in S. E pit - for cor to sec
10. 11. 14. and 15
Land gently rolling
Soil good 2nd rate.

E. on a random line between sec
11. and 14
Va 14° 30' E
40.00 Set temporary 1/4 sec cor
80.16 Intersect N. and S. line at a point
13 chs N. of cor to sec 11. 12. 13 & 14
from which cor I run N. 89.55' West on a
true line between sec 11. and 14
Va 14° 30' E
40.08 Built mound of earth 2½ ft
high from pits 18 x 24 x 12 in deep
for 1/4. sec cor
80.16 cor to sec 10. 11. 14 and 15
Land gently rolling
Soil good 2nd rate.

Range No. 35 West of the 6th P.M.

N. between sec 10 and 11
Va 14° 30' E.
40.00 Built mound of earth 2½
ft high from pits 18 x 24 x 12 in
deep for 1/4 sec cor
80.00 Deposited charcoal raised
mound of earth 3 ft
high from pits 18 x 24 x 12 in
deep & set and cedar stake
2 x 2 x 24 in in S E pit for
cor to sec 2. 3. 10 and 11
Land gently rolling
Soil good 2nd rate.

East - on a random line
between sec 2 and 11
Va 14° 30' E
40.00 Set temporary 1/4 sec cor
80.21 Intersect N. and S. line at
cor to sec 1. 2. 11. and 12
from which cor I run
West on a true line bet -

Subdivision of Township No 30. N.

	Sec 2. and 11.
	Va 14° 30' E
40.10½	Built mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.21	Cor to Sec 2. 3. 10. and 11.
	Land gently rolling
	Soil good 2nd rate.

	N. on a random line between Sec 2 and 3.
	Va 14° 30' E
40.00	Set temporary ¼ sec cor
80.46	Intersect N. boundary of Township at a point 45 lks West of cor to sec 2 and 3. from which cor I run S 0° 19' W on a true line bet Sec 2 and 3
	Va 14° 30' E
40.46	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in

Range No 38. West of the 6th P.M.

	deep for ¼ sec cor
80.46	Cor to sec 2. 3. 10. and 11
	Land gently rolling
	Soil 1st rate.
	Wednesday May 4th 1881.

	N. between Sec 33 and 34
	Va 14° 30' E.
19.00	leave Valley course N.E and S.W
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.00	Deposit charcoal raise mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S.E pit for cor to sec 27. 28. 33 and 34.

Subdivision of Township 30. North

Land rolling
Soil 2nd rate.

East on a random line between
Sec 27. and 34
Va 14° 30' E

40.00 Set-term 1/4 Sec cor
80.35 Intersect N. and S. line at a point
35 lks N. of cor to sec 26. 27. 34
and 35 from which cor I run N. 89° 45' West
on a true line bet sec 34. and 27.
Va 14° 30' E
40.17½ Built mound of earth 2½ ft
high from pits 18 x 24 x 12 in deep
for 1/4 sec cor
80.35 Cor to sec 27. 28. 33. 33. and 34
Land rolling
Soil 2nd rate.

Range 38 West of the 6th P.M.

N. between Sec 27. and 28.
Va 14° 30' E
7.00 Grand Island and Black Hills Road
course N. E. and S. W.
40.00 Built mound of earth
2½ ft high from pits
18 x 24 x 12 in deep for 1/4 sec
cor
80.00 Deposits charcoal raised
mound of earth 3 ft high
from pits 18 x 24 x 12 in deep set
red cedar post 2 x 2 x 24 in
in S. E. pit for cor to sec
21. 22. 27. and 28
Land rolling
Soil 2nd rate

East on a random line bet
Sec 22. and 27.
Va 14° 30' E
40.00 Set-term 1/4 sec corner
80.20 Intersect N. and S line at a

Subdivision of Township 30. N.

	Point 28
	~~40 lks 42~~ lks N. of cor to sec 22. 23. 26 and 27. from which cor I run N. 89°48' West on a true line between sec 22. and 27.
	Va 14°30' E
40.10	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.20	Cor to sec 21. 22. 27. and 28.
	Land rolling
	Soil 2nd rate.

	N. between sec 21 and 22
	Va 14°30' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
54.50	Snake River Valley course E and W
58.50	Snake River course E. & W.
61.00	Leave Snake River Valley enter low hills
80.00	Deposit charcoal raised mound 3 ft high from pits 18 x 24 x 12 in deep ~~for~~ reduced or stake 2 x 2 x 24 in S.E. pit for Cor to sec 15. 16. 21. and 22
	Land rolling
	Soil good 2nd rate.

Range 38. West of the 6th P. Mo.

	East on a random line bet sec 15 and 22
	Va 14°30' E
40.00	Set tem ¼ sec cor
80.00	Intersect N. and S. line at a point 50 lks N of cor to sec 14. 15. 22 & 23. from which cor I run N. 89°39' West on a true line bet secs. 15 & 22
	Va 14°30' E
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor
80.00	Cor to sec 15. 16. 21. and 22
	Land rolling
	Soil 2nd rate.

Subdivision of Township 30 North

	North between Sec 15 and 16
	V a 14° 30' E
40. w	Built mound of earth 2½ ft high from pits 18 X 24 X 12 in deep for ¼ sec cor
80. w	Deposited charcoal raised mound of earth 3 ft high from pits 18 X 24 X 12 in deep set and cedar stake 2 X 2 X 24 in in S.E. pit for cor to sec 9. 10. 15. and 16.
	Land rolling
	Soil good 2nd rate.

	East on a random line between
	Sec 10. and 15
	V a 14° 30' E.
40. w	Pass corn ¼ sec cor
80. 10	Intersect N. and S. line at cor to Sec 10. 11. 14 and 15

Range 35 West of the 6th P.M.

	from which cor I run West on a true line between Sec 10. and 15
	V a 14° 30' E
40.05	Built mound of earth 2½ ft high from pits 18 X 24 X 12 in deep for ¼ sec cor.
80.10	Cor to sec 9. 10. 15 and 16.
	Land rolling
	Soil 2nd rate.

	N. between sec 9 and 10
	V a 14° 30' E
40. w	Built mound of earth 2½ ft high from pits 18 X 24 X 12 in deep for ¼ sec cor
80. w	Deposited charcoal raised mound of earth 3 ft high from pits 18 X 24 X 12 in deep set and cedar stake in SE pit for cor to sec 3. 4. 9. 10
	Land gently rolling
	Soil 2nd rate

Subdivision of Township 30 North

East on a random line Bet-
ween 3 and 10
Va 14° 30' E

40.00 Set Corn 1/4 Sec cor

80.15 Intersect N and S. line at a point
37 chs N. of cor to secs 2. 3. 10. and 11
from which cor to secs N. 89. 44' West on
a true line between secs 3 and 10
Va 14° 38' E

40 07½ Built mound of earth 2½ ft-
high from pits 18 x 24 x 12 in deep
for 1/4 Sec cor

80.15 Cor to secs 3. 4. 9. and 10.
Land gently rolling
Soil good 2nd rate

N. on a random line between
secs 3 and 4
Va 14° 30' E

40.00 Set Corn 1/4 sec cor

80.39 Intersect N boundary of Township

Range 35 West of the 6th P.M.

at a point 35 chs East of cor to
sections 3 and 4. from which cor 1
bears S. 0° 15' E on a true line between 3 and 4
Va 14° 30' E

40.39 Built mound of earth 2½ ft-
high from pits 18 x 24 x 12 in deep for
1/4 Sec cor

80.39 Cor to secs 3. 4. 9. and 10.
Land gently rolling
Soil good 2nd rate.

Thursday May 5th 1881.

Instrument tested at cor to secs
33 and 34 on S. boundary of Twp by observation
of Polaris at its greatest Eastern elongation
Instrument used a light mountain Transit
made by W and L. E. Gurley Troy N.Y. no No
to be found on the instrument. The Needle
made an angle with the Meridian as
obtained of 12° 31' + azimuth of 1° 48' = 14° 19'
Va of line last run ~~14° 48'~~ 14° 30' E difference of
~~0° 18'~~ 0° 11' with line last run
May 6th 1881. 4 h 20 m A.M. Civil Time

Subdivision of Township 30 North

North bet sec 32 and 33
Va 14° 30' E

40. w Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80. w Deposit charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set and cedar stake 2 x 2 x 24 in in S.E. pit for cor to sec 28. 29. 32 and 33.

Land gently rolling
Soil good 2nd rate.

East on a random line bet sec 28 and 33
Va 14° 30' E

40. w set line ¼ sec cor

79.68 Intersect N. & S. line at a point 14 lks S. of cor to sec 27. 28. 33 & 34 ~~S 89° 54'~~ from which cor to sec S 89° 54' W. on a true line bet 28 & 33
Va 14° 30' E

Range 38 West of the 6th P.M.

39.84 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

79.68 Cor to sec 28. 29. 32. and 33.

North Return sec 28. and 29
Va 14° 30' E.

40. w Built mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor

80. w Cor to sec 20. 21. 28 and 29.
Deposit charcoal raised mound of Earth 3 ft high from pits 18 x 24 x 12 in deep set and cedar stake 2 x 2 x 24 in in S.E pit for cor to sec 20. 21. 28 and 29

Land rolling
Soil 2nd rate

Subdivision of Tp 30 North

	East on a random line between secs 21 and 28.
	Va 14° 30' E
40.00	Set tem 1/4 sec cor
56.00	Grand Island and Black Hills Road runs N.W. and S.E.
79.62	Intersect N and S line at a point 30 lks N. of cor to secs 21, 22, 27, and 28 from which cor I run N. 89° 47' West on a true line
	Va 14° 30' E
39.81	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
79.62	Cor to secs 20. 21. 28. 29
	Land rolling
	Soil good 2nd rate.

Range 38 West of the 6th P.M.

	North bet secs 20 and 21
	Va 14° 30' E.
30.00	Grand Island and Black Hills Road course N.W. and S.E.
40.00	Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor.
70.90	Grand Island and Black Hills Road course N.E. and S.W
80.00	Deposite charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep, set red cedar stake 2 x 2 x 24 in in S.E. pit for cor to secs 16. 17. 20 and 21.
	Land rolling
	Soil 2nd rate.

Subdivision of Township 30. N.

	East on a random line bet-
	sec 15. and 21 Va. 14°30' E.
21. w	Grand Island and Blk Hills Road
	course N. and S.
37. w	Snake River course S.E. 30
	chs wide
40. w	set-cor 1/4 sec cor
79.55	Intersect N. and S. line at a point
	35 chs South of cor 4 sec 15. 16
	21. and 22 from which cor I run
	S.89°45'
	West on a true line bet secs. 16 & 21
	Va 14°30' E
39.74	Built mound of earth 2½ ft
	high from pits 18 x 24 x 12 in deep
	for 1/4 sec cor
79.55	Cor 4 sec 16. 17. 20 and 21
	Land Rolling
	Soil 2nd rate.

Range 35. west of the 6th P.M.

	N. bet sec 16 and 17.
	Va 14° 30' E
5. w	Snake River 35 chs wide
	course S.E.
10. w	Grand Island and Blk Hills Road
	course E. and W.
13. w	leave Snake Valley enter low hills
40. w	Built mound of earth 2½ ft
	high from pits 18 x 24 x 12 in deep
	for 1/4 sec cor
50. w	Deposit charcoal rancid mound
	of earth 3 ft high from pits 18 x 24 x 12
	in deep set red cedar stake
	2 x 2 x 24 in in S.E. pit for cor 4
	sec 5. 9. 16 and 17.
	Land rolling
	Soil 2nd rate.

Subdivision of Township 30. N.

E. on a random line bet. Sec 16. and 9.
Va 14° 30' E.

40.00 Set iron ¼ sec cor

80.22 Intersect N. and S. line at a point 21 lks South of cor to Secs 9. 10. 15 and 16
from which cor S. 89° 51' West on a true line bet Secs 9 & 16
Va 14° 30' E

40.11 Built mound of Earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ sec cor.

80.22 Cor to Secs 8. 9. 16. and 17.

Land rolling
Soil 2nd rate.

Range 35 West of the 6th P.M.

N. bet Secs 8 and 9.
Va 14° 30' E

40.00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor

80.00 Definite charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set and cedar stake 2 x 2 x 24 in in S.E. pit for cor to secs 4. 5. 8. and 9.

Land rolling
Soil good 2nd rate.

Subdivision of Township 30. N.

E. bet sec 4 and 9
Va 14° 30' E

40.00 Set temp 1/4 sec cor
80.27 Intersect N and S line at cor to sec 3. 4. 9. and 10 from which cor I run west ~~N 89°~~ on a true line bet sec 4 & 9.
Va 14° 30' E.

40.137 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep set red cedar stake in E pit for c. for cor for 1/4 sec cor.
80.27 Cor to sec 4. 5. 8 and 9
Land gently rolling
Soil good 2nd rate.

Range 38 West of the 6th P.M.

North on a random line between sec 4 and 5
Va 14° 30' E

40.00 Set temporary 1/4 sec cor
80.54 Intersect North boundary of Township at a point 62 lks West of the cor to sec 4 and 5 from which cor I run S 0° 27' W on a true line bet sec 4 and 5
Va 14° 30' E

40.54 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
80.54 Cor to sec 4. 5. 8. and 9.
Land gently rolling
Soil good 2nd rate.

Friday May 6th 1881.

Subdivision of Township 30. North

Instrument tested at cor to sections 32. and 33. on S. boundary of Township by observation of Polaris at its greatest Eastern Elongation. 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 the needle made an angle with the meridian so obtained of 12° 31' + Azimuth of 1° 48' = 14° 19'. Va of line last run 14° 30' difference between line last run and true meridian of 0° 11'
Saturday May 7th 1881 Time 4th hour 16th minute A. M. Civil Time

Range 38. West of the 6th P.M.

North between Secs 31. and 32
Va 14° 30' E

40. 00 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for ¼ Sec cor.

80. 00 Deposited charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S E pit for cor to Secs 29. 30. 31 and 32

Land rolling
Soil 2nd rate.

Subdivision of Township 30 N.

East on a random line between sec 29 and 32

Va 14° 30' E

40.00 Set-term 1/4 sec cor

80.15 Intersect N and S line at cor to sec 28. 29. 32. and 33.

From which cor I run West on a true line bet sec 29 & 32

Va 14° 30' E

40.07½ Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

80.15 Cor to sec 29. 30. 31. and 32.

Land rolling

Soil 2nd rate.

Range 35 West of the 6th P.M.

West on a random line bet sec 30. and 31

Va 14° 30' E

19.00 Enter Valley bear N.E. and S.W.

40.00 Set-term 1/4 sec cor

64.50 Leave Valley enter low hills

78.37 Intersect West boundary of Township at a point 35 lks North of cor to sec 30. and 31.

From which cor I run N 89° 45' East on a true line bet sec 30 and 31

Va 14° 30' E

38.37 Built mound of earth 2½ ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

78.37 Cor to sec 29. 30. 31. and 32

Land gently rolling & Valley

Soil Valley 1st rate rolling good 2nd rate.

Subdivision of Twp 30 North

	North between Secs 29. and 30
	Va 140 30' E
17.00	Enter Valley bear N. E. and S. W.
40.00	Built mound of earth 2½ ft high from pits 15 x 24 x 12 in deep for ¼ sec cor
44.30	Leave Valley bear N. E. and S W.
50.00	Dig pits charcoal raised mound of earth 3 ft high from pits 15 x 24 x 12 in deep set wood cedar stake 2 x 2 x 24 in in S E pit for cor to Secs 19. 20 29. and 30.
	Land gently rolling and Valley
	Soil Valley 1st rate rolling 2nd rate.

Range 35 West of the 6th P.M.

	East on a random line
	bet Secs 20 and 29
	Va 140 30' E
40.00	Set line ¼ sec cor
50.36	Intersect N and S. line at a point 32 lks South of cor to Secs 20. 21. 28 & 29
	From which cor I run S 89° 45'
	West on a true line
	Va 140 30' E
40.15	Built mound of earth 2½ ft high from pits 15 x 24 x 12 in deep for ¼ Sec cor
50.36	Cor to Secs 19. 20. 29. and 30.
	Land rolling
	Soil 2nd rate

Subdivision of Township 30. N

	West on a random line bet-
	Sec 19. and 30
	Va 14° 30' E
40.00	Set temp 1/4 sec cor
78.71	Intersect West boundary of
	Township at a point 15 Elks
	South of cor to Sec 19. and 30
	From which cor I run S 89° 54' East
	on a true line between sec 19. and 30
	Va 14° ~~24'~~ 30 E
38.71	Built mound of earth 2½
	ft high from pits 18 x 24 x 12 in
	deep for 1/4 sec cor.
78.71	Cor to Sec 19. 20. 29 and 30
	Land rolling
	Soil 2nd rate.

Range 38 West of the 6th P.M.

	North bet Sec 19. and 20
	Va 14° 30' E
40.00	Built mound of earth 2½
	ft high from pits 18 x 24 x 12 in
	deep for 1/4 sec cor
80.00	Deposited charcoal vasi.
	mound of earth 3 ft high
	from pits 18 x 24 x 12 in deep
	set red cedar stake 2 x 2 x 24 in
	in S E pit for cor to Sections
	17. 18. 19. and 20.
	Land rolling
	Soil 2nd rate.

Subdivision of Township 30. N.

East on a random line between sec 17. and 20
Va 14° 30' E

40.00 Set tem 1/4 sec cor

80.30 Intersect N. and S. line at a point 17 lks South of cor to sec 16. 17. 20. and 21
From which cor I run S 89° 53' West on a true line bet sec 17. and 20
Va 14° 30' E.

40.15 Built mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

80.30 Cor to sec 17. 18. 19. and 20
Land rolling
Soil 2nd rate

Range 38 West of the 6th P.M.

West on a random line between sec 18 and 19
Va 14° 30' E

40.00 Set tem 1/4 sec cor

79.10 Intersect West boundary of Township at a point 32 lks South of cor to sec 18 and 19
from which cor I run S 89° 46' East on a true line bet secs 18 & 19
Va 14° 30' E

39.10 Built mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor

79.10 Cor to sec 17. 18. 19. and 20.
Land rolling
Soil 2nd rate.

Subdivision of Township 30 N.

	North Between Sec 17 and 18
	Va 14° 30' E.
18.00	Snake River course East
	35 ch wide
27.00	Black Hills and Grand Island Road
25.50	leave snake Valley enter low hills
40.00	Built mound of earth 2½
	ft high from pits 18 x 24 x 12 in
	deep for ¼ sec cor
80.00	Dug pits charcoal raised
	mound of earth 3 ft high
	from pits 18 x 24 x 12 in deep
	set red cedar stake 2 x 2 x
	24 in in S.E. pit for cor to
	sec 7. 8. 17. and 18.
	Land rolling
	Soil 2nd rate.

Range 35 West of the 6th P.M.

	East on a random line
	between sec 8 and 17
	Va 14° 30' E
40.00	set line ¼ sec cor
80.35	Intersect N. and S. line 12 ch
	south of cor to sec 8. 9. 16. & 17.
	From which cor I run West on
	a true line bet. Secs 8 & 17
	Va 14° 30' E
40.17½	Built mound of earth
	2½ ft high from pits 18 x 24 x
	12 in deep for ¼ sec cor
80.35	Cor to sec 7. 8. 17. and 18.
	Land rolling
	Soil 2nd rate.

Subdivision of Township 30. North

	West on a random line bet sec 7 & 18
	Va 14° 30' E
40.00	Set ten 1/4 sec cor
79.24	Intersect West boundary of Township at a point 33 lks South of cor to sec 7 and 18 From which cor I run S 89.46' East bet sec 7 and 18
	Va 14° 30' E
39.24	Built mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
79.24	Cor to sec 7. 8. 17 and 18
	Land rolling
	Soil 2nd rate.

Range 38 West of the 6th P.M.

	North between sec 7 and 8
	Va 14° 30' E
40.00	Built mound of earth 2 1/2 ft high from pits 18 x 24 x 12 in deep for 1/4 sec cor
80.00	Deposite charcoal raised mound of earth 3 ft high from pits 18 x 24 x 12 in deep set red cedar stake 2 x 2 x 24 in in S E. pit for cor to sec 5. 6. 7. and 8.
	Land gently rolling
	Soil good 2nd rate.

Subdivision of Township 30 N.

	East - bet - sec 5 and 8
	Va 14° 30' E
40.00	Set - corn 1/4 sec cor
80.37	Intersect - N. and S. line at - a point - 30 lks South of cor - to secs 4. 5. 8. and 9.
	from which cor I run S. 89° 47' West - on a true line bet - sec 5 and 8
	Va 14° 30' E
40.15	Built - mound of earth 2½ ft - high from pits 15 x 24 x 12 in deep for 1/4 sec cor
80.37	Cor - to secs 5. 6. 7. and 8
	Land gently rolling
	Soil good 2nd rate.

Range 35. West - of the 6th P.M.

	West - on a random line
	between sec 6 and 7
	Va 14° 30' E
40.00	Set - corn 1/4 sec cor
79.85	Intersect - West - boundary
	of Township at - a point -
	21 lks South of cor - to sec
	6 and 7. from which cor I run S 89° 51'
	East - on a true line bet -
	sec 6 and 7
	Va 14° 30 E
39.85	Built - mound of earth 2½
	ft - high from pits 15 x 24 x 12 in
	deep for 1/4 sec cor
79.85	Cor - to secs 5. 6. 7 and 8.
	Land gently rolling
	Soil 2nd rate.

Subdivision of Tp 30. North

North on a random line between Sec 5 and 6
Va 14° 30' E
40.00 Set term 1/4 Sec cor
80.38 Like Intersect N. boundary of Township at a point 26 like East of cor to sec 5 and 6 from which cor I run S 0° 11' East on a true line Vat Secs 5 and 6
Va 14° 30' E
40.38 Built mound of Earth 2½ ft high from pile 18 x 24 x 12 in deep for 1/4 Sec cor
80.38 Cor to sec 5. 6. 7. and 8.

Saturday May 7th, 1881

Range 38. West of 6th P.M.

Instrument tested at cor to Sections 31. and 32 by South boundary of Township by observation of Polaris at its greatest Eastern Elongation. 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 the needle made an angle with the meridian so obtained of 12° 32'. + Azimuth of 1° 48' = 14° 20' the true Va at this point.
Difference between line last run and true meridian at this point is 0° 10'
Sunday May 8th 1881
Time 4th hour and 12 minute a.m. Civil Time.

Township 30. N. R. 38. West-

General Description

The land in this Township is mostly 2nd rate. Very little Valley land, There is some little timber on the South bank of Snake River, mostly Cedar and Hackberry. the Township is covered with the best of grasses mostly Buffalo and Grammer and is well watered centrally East and West by Snake River. Water can be obtained at a depth of 15 ft in most places in very soft & of excellent quality.

Name of Assistants

A list of the names of the assistants employed in running measuring and marking the lines and corners described in the foregoing field notes of Twp. No. 30. North of the Base Line of Range No. 35. West of the 6th P.M. in Nebraska.

showing the respective capacity in which they acted.

James M. Fox	Chainman
W. K. Raphael	do
T. J. Howard	Moundman
H. C. Hall	Flagman.

State of Nebr }ss
Lincoln Co

We hereby certify that we assisted W. T. Richardson United States Deputy Surveyor in surveying and subdividing Township No. 30 N. of the Base Line of Range No. 35. 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 us by the Surveyor Genl of dimension, character, construction and marking and in the manner specially described in the foregoing Field Notes.

+ Intersecting E. boundary of

James M. Fox Chainman
W. K. Raphael do
T. J. Howard Moundman
H. C. Hall Flagman

Subscribed and sworn to before me May 28th 1881
Wm Neville
Notary Public

State of Nebr } ss.
Lincoln Co }

J. W. T. Richardson United States Deputy Surveyor do solemnly swear that I have in my own proper person with the necessary assistants well truly and faithfully executed the Retracement subdivisional survey of township No. 30 N. of the Base Line of Range No. 38 W of the 6th P. M. in Nebraska under my contract with George S. Smith United States Surveyor Genl for the district of Iowa and Nebraska bearing date of August 12th 1880 that in making the said survey I have used only such instruments as were approved by the Surveyor Genl 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 instruction as have been furnished me by and through the said Surveyor Genl relating to the aforesaid survey. That I have thoroughly acquainted my assistants in the field with the nature of the duties under the laws and instructions above mentioned. That to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions and that the annexed Field Notes are the original true and correct return of the said Survey.

J. W. T. Richardson

Subscribed in my presence and sworn to before me this 28th day of May 1881.

Wm Neville
Notary Public.

Surveyor General's Office
Plattsmouth Neb June 18th 1881

The foregoing field notes of the Survey & subdivision & retracing of boundaries of Township No 30 North of Base Line of Range No 38 West of 6th P.M. in Nebraska Executed by W. T. Richardson U. S. Deputy Surveyor under his Contract No 717 dated August 12th 1880 in the month of May 1881. having been critically examined the necessary corrections & explanations made the said field notes & the Surveys they describe are hereby approved

Geo Smith
Surveyor General

Charlie W. Dakin, Deputy Surveyor.

T. 31 **North R.** 38 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 31 North Range 38 West

6th Principal Meridian.

BY

Charlie W. Dakin Deputy Surveyor.

Under his Contract of Feb 2nd 1882.

Survey Commenced Oct. 16, 1882.

Survey Completed Oct. 18, 1882.

Platted,
Copied for Washington,
Copied for Register,

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

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

.....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.

Copyright Secured,

Entered according to Act of Congress, in the Clerk's Office of the Librarian of Congress at Washington, D. C., in the year 1880.

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,

Before proceeding to subdivide this Tp., I made a change of 5 *minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the su[illegible] I also further tested instrument by reversing.*

Township 31 North Range 38 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.
	Descend.
15.20	*Cross Wash,* 25 lks. *wide, Course* S.E., *and ascend.*
29.00	*Top of Spur, bears* E. and W., *and descend.*
40.00	*Set a* Sand *stone* 10 x 8 x 5 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
74.00	*Enter Flat bears* E. and W.,
80.00	*Set a* Sand *stone* 20 x 16 x 9 *ins.* 15 *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 74.00 chs. *mountainous.* & 6.00 chs. *level.*
Soil 2nd & 3rd *rate*
Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 14°45' East.
	Ascend.
26.00	*Top of Spur, bears* N. N. and S.E., *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
45.00	*Enter Flat bears* N. and S.
69.00	*Leave Flat bears* N. and S., *and ascend.*
79.88	*Intersect* E. *B. of Tp.* 22 *lks.* North *of cor. to secs.* 25-30-31-36, *from which corner, I run* N.89°51' W., *on a true line, between sections* 25-36,
	Variation 14°30' *East.*
39.94	*Set a* Sand *stone* 15 x 9 x 4 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.88	*The corner to sections* 25-26-35-36,

Land 55.88 chs. *mountainous.* & 24.00 chs. *level.*
Soil 2nd & 3rd *rate*
Vegetation, Bunchgrass.

Township 31 North Range 38 West
6th Principal Meridian.

Chains	
	North, between Sections 25 and 26.
	Variation 14° 45′ East.
	Over level land
30.00	Leave Flat bears E. and W. and ascend.
40.00	Set a Sand stone 14 x 12 x 10 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. ON
	Top of Spur, bears N.W. and S.E., and descend.
65.00	~~Leave Flat~~ Low Sag bears E. and W. and ascend.
80.00	Set a Sand stone 14 x 12 x 10 ins. 9 ins. in the ground for Cor. to Secs. 23-24-25-26 marked with 2 notch Es 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 30.00 chs level. 50.00 chs mountainous.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 38 West
6th Principal Meridian.

Chains	
	East, on a random line between Sections 24 and 25.
	Variation 14° 30′ East.
	Ascend.
9.00	Top of Spur, bears N. and S., and descend.
16.00	Cross Wash, 200 lks. wide, Course N., and ascend.
40.00	Set temporary ¼ Sec. Cor.
55.00	Top of Spur, bears N. and S., and descend.
79.96	Intersect E. B. of Tp. 47 lks. North of cor. to secs. 19-24-25-30 from which corner, I run N 89° 40′ W., on a true line, between sections 24-25,
	Variation 14° ~~25~~ 30′ East.
39.98	Set a Sand stone 14 x 8 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.96	The corner to sections 23-24-25-26.
	Land mountainous.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Chains	North, between Sections 23 and 24. Variation 14° 30′ East.
	Ascend.
9.50	*Top of Spur, bears* E. and W., *and descend.*
17.00	*Enter Flat bears* E. and W.
33.00	*Leave Flat bears* E. and W., *and ascend.*
40.00	*Set a* Sand *stone* 15 x 11 x 9 *ins.,* 10 *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.*
51.50	*Top of Spur, bears* E. and W., *and descend.*
80.00	*Set a* Sand *stone* 15 x 11 x 5 *ins.* 10 *ins. in the ground for Cor. to Secs.* 13-14-23-24 *marked with* 3 *notch* 80 *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 64.00 chs. mountainous. 16.00 chs. level.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Chains	East, on a random line between Sections 13 and 24. Variation 14° 30′ East.
	Ascend.
5.00	*Top of Spur, bears* N.W. & S.E., *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
42.00	*Enter Flat bears* N. and S.
55.00	*Leave Flat bears* N. and S., *and ascend.*
79.81	*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* 14° 30′ *East.*
39.91	*Set a* Sand *stone* 15 x 8 x 8 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.81	*The corner to sections* 13-14-23-24, *and* 13.00 *chains flat.*

Land 66.81 chs. mountainous.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Chains	North, between Sections 13 and 14. Variation 14° 30′ East.
	Ascend.
11.00	*Top of Spur, bears* E. and W., *and descend.*
40.00	*Set a* Sand *stone* 12 x 10 x 8 *ins.,* 8 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
55.00	*Enter Flat bears* E. and W.,
80.00	*Set a* Sand *stone* 14 x 10 x 6 *ins.* 9 *ins. in the ground for Cor. to Secs.* 11-12-13-14 *marked with* 4 *notch* EO *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.*

55.00 Chs. & 25.00 Chs.
Land mountainous. level.
Soil 2nd rate
Vegetation, Bunchgrass.

Chains	East, on a random line between Sections 12 and 13. Variation 14° 45′ East.
	Ascend.
36.00	*Top of Spur, bears* N. and S., *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
52.20	*Cross Wash,* 50 *lks. wide, Course* S., *and ascend.*
63.00	*Top of Spur, bears* N. and S., *and descend.*
79.68	*Intersect* E. *B. of Tp.* 20 *lks.* South *of cor. to secs.* 7-12-13-18 *from which corner, I run* S.89° 51′ W., *on a true line, between sections* 12-13.
	Variation ~~15°~~ 14° 45′ *East.*
39.84	*Set a* Sand *stone* 14 x 5 x 4 *ins.,* 9 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.68	*The corner to sections* 11-12-13-14.

Land mountainous.
Soil 2nd rate
Vegetation, Bunchgrass.

Chains	North, between Sections 11 and 12. Variation 14° 45' East.
	Over level land
8.00	Leave Flat bears E. and W., and ascend.
37.50	Top of Spur, bears N. 40° W. & S. 40° E., and descend.
40.00	Set a Sand stone 15 x 9 x 8 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
47.00	Enter Flat bears N.E. and S.W.,
80.00	Set a Sand stone 13 x 8 x 5 ins. 9 ins. in the ground for Cor. to Secs. 1-2-11-12 marked with 5 notch Es 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. 41.00 chs & mountainous. 39.00 chains
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Chains	East, on a random line between Sections 1 and 12. Variation 15° East.
	Ascend.
13.00	Top of Spur, bears N. and S., and descend.
22.00	Enter Flat bears N.E. and S.W.
40.00	Set temporary ¼ Sec. Cor.
49.00	Leave Flat bears N. and S., and ascend.
79.90	Intersect E. B. of Tp. 16 N.s. South of cor. to secs. 1-6-7-12 from which corner, I run S. 89° 53' W., on a true line, between sections 1-12,
	Variation 15° East.
39.95	Set a Sand stone 19 x 10 x 8 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.90	The corner to sections 1-2-11-12,
	Land mountainous. 52.90 chs. & level. 27.00 chs.
	Soil 2nd & 3rd rate
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 15° East.

Ascend.

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

40.00 *Set temporary ¼ Sec. Cor.*

80.13 *Intersect* N. B. of Tp. 24 lks. West *of cor. to secs.* 1-2-35-36 *from which corner, I run* S. 10 W., *on a true line, between sections* 1-2,

Variation 15° *East.*

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

80.13 *The corner to sections* 1-2-11-12,

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. W. Dakin, Oct. 16, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains — North, between Sections 34 and 35.

Variation 15° East.

Ascend.

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

27.00 *Cross Wash,* 75 *lks. wide, Course* N.E., *and ascend.*

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

45.00 *Top of Spur, bears* N. 30° E. & S. 30° W., *and descend.*

80.00 *Set a* Sand *stone* 14 x 13 x 12 *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.

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

Variation 15° East.

Ascend.

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

40.00 Set temporary ¼ Sec. Cor.

66.00 Enter Flat bears N.W. and S.E.,

80.22 Intersect N. & S. line, 36 lks. South of cor. to secs. 25-26-35-36 from which corner, I run S.89°45' W. on a true line between sections 26-35,

Variation ~~14°45'~~ 15° East

40.11 Set a Sand stone 16 x 5 x 5 ins., 14 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.

80.22 The corner to sections 26-27-34-35,

Land 66.00 chs. mountainous. and 14.22 chains level

Soil 2nd rate

Vegetation, Bunchgrass.

Chains North, between Sections 26 and 27.

Variation 15° East.

Ascend.

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

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

50.00 Cross Wash, 50 lks. wide, Course N.E. and enter Flat.

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

80.00 Set a Sand stone 12 x 12 x 8 ins. 8 ~~ins.~~ in the ground for Cor. to Secs. 22-23-26-27 marked with 2 notch es on S. and 2 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 flat.

Soil 2nd rate

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 15° East.

Ascend.

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

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

40.00 *Set temporary ¼ Sec. Cor.*

60.00 *Leave Flat bears* N. and S. *and ascend.*

80.10 *Intersect N. & S. line,* 60 *lks.* South *of cor. to secs.* 23-24-25-26 *from which corner, I run* S.89°34′ W. *on a true line between sections* 23-26,

Variation ~~14°30′~~ *East*

40.05 *Set a* Sand *stone* 12 x 8 x 3 *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.*

80.10 *The corner to sections* 22-23-26-27,

Land 50.00 lks. *level.* 30.10 lks. *mountainous.*

Soil 2nd *rate*

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains North, between Sections 22 and 23.

Variation 15° East.

Ascend.

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

23.30 *Cross low Sag and ascend.*

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.*

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

80.00 *Set a* Sand *stone* 16 x 12 x 9 *ins.,* 11 *ins. in the ground for Cor. to Secs.* 14-15-22-23 *marked with* 3 *notch es on S. and* 2 *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 2nd *rate*

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23. Variation 14° 50' East.
	Descend.
.50	*Cross low Sag and ascend.*
10.50	*Top of Spur, bears* N.E. and S.W. *and descend.*
23.00	*Cross Wash,* 100 *lks. wide, Course* N.E. *and ascend.*
39.00	*Top of Spur, bears* N.30°E. & S.30°W. *and descend.*
40.00	*Set temporary ¼ Sec. Cor.*
51.00	*Cross Wash,* 200 *lks. wide, Course* N.15°E. *and ascend.*
66.50	*Top of Spur, bears* N. and S. *and descend.*
79.94	*Intersect N. & S. line,* 18 *lks.* South *of cor. to secs.* 13-14-23-24 *from which corner, I run* S.89°52' W. *on a true line between sections* 14-23.
	Variation 14° 50' *East*
39.97	*Set a* Sand *stone* 14 x 9 x 8 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S *. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.94	*The corner to sections* 14-15-22-23.
	Land mountainous.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 14 and 15. Variation 14° 50' East.
	Descend.
.50	*Cross Wash,* 100 *lks. wide, Course* N.E. *and ascend.*
14.00	*Top of Spur, bears* N.E. and S.W. *and descend.*
40.00	*Set a* Sand *stone* 14 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.*
53.50	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone* 20 x 18 x 9 *ins.* 15 *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 mountainous.
	Soil 2nd & 3rd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14.
	Variation 14°50′ East.
	Ascend.
15.50	*Top of Spur, bears* N.60°E. & S.60°W. *and descend.*
40.00	*Set temporary ¼ Sec. Cor.*
49.00	*Enter Flat bears* N.60°W. and S.60°E.
80.03	*Intersect N. & S. line,* 20 *lks.* North *of cor. to secs.* 11-12-13-14 *from which corner, I run* N89°51′ *W. on a true line between sections* 11-14
	Variation 14° ~~45~~ 50′ *East*
40.02	*Set a* Sand *stone* 15 x 10 x 6 *ins.,* 10 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
80.03	*The corner to sections* 10-11-14-15.
	Land 49.00 chs. *mountainous.* & 31.03 chs. **level.**
	Soil 2nd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 10 and 11.
	Variation 14°50′ East.
	Ascend.
7.50	*Top of Spur, bears* N.20°E. & S.20°W. *and descend.*
27.15	*Cross Wash,* 60 *lks. wide, Course* N.10°E. *and ascend.*
40.00	*Set a* Sand *stone* 14 x 11 x 3 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
42.50	*Top of Spur, bears* E. and W. *and descend.*
80.00	*Set a* Sand *stone* 16 x 9 x 8 *ins.* 11 *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 mountainous.
	Soil 2nd *rate*
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 2 and 11.
	Variation 14°50' East.
	Ascend.
17.00	*Top of Spur, bears* N. and S. *and descend.*
33.00	*Cross Wash,* 20 *lks. wide, Course* N, *and ascend.*
37.00	*Top of Spur, bears* N.15°E. & S.15°W. *and descend.*
40.00	*Set temporary ¼ Sec. Cor.*
79.85	***Intersect** N. & S. line,* 30 *lks.* North *of cor. to secs.* 1-2-11-12 *from which corner, I run* N.89°47'W. *on a true line between sections* 2-11
	Variation ~~15°~~ 14°50' ***East***
39.93	***Set a*** Sand *stone* 10 x 8 x 5 *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.*
79.85	*The corner to sections* 2-3-10-11,
	Land mountainous.
	Soil 2nd rate
	Vegetation, Bunchgrass

Township 31 North Range 38 West

6th Principal Meridian

Chains	
	North, on a random line between Sections 2 and 3.
	Variation 14°50 East.
	Ascend.
22.00	*Top of Spur, bears* E. and W. *and descend.*
38.30	*Cross Wash,* 100 *lks. wide, Course* E, *and ascend.*
40.00	*Set temporary ¼ Sec. Cor.*
52.50	*Top of Spur, bears* E. and W. *and descend.*
79.87	***Intersect*** N.B. *of Tp.* 9 *lks.* East *of cor. to secs.* 2-3-34-35, *from which corner, I run* S.4'E., ***on a true line, between sections*** 2-3.
	Variation ~~15~~ 14°50' ***East.***
39.87	***Set a*** Sand *stone* 14 x 12 x 10 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.87	*The corner to sections* 2-3-10-11,
	Land mountdinous.
	Soil 2nd 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. 16, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 33 and 34. Variation 15° 10′ East.
	Ascend.
12.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
36.00	*Cross Wash,* 150 *lks. wide, Course* N.W. *and ascend.*
40.00	*Set a* Sand *stone* 12x12x10 *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.*
64.00	*Top of Spur, bears* E. and W., *and descend.*
80.00	*Set a* Sand *stone* 13 x 11 x 6 *ins.* 9 *ins. in the ground for Cor. to Secs.* 27-28-33-34, *marked with* 1 *notch on S. and* 3 *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 2nd rate
Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34. Variation 15° 10′ East.
	Descend.
19.00	*Enter Flat bears* N.W. and S.E.
34.00	*Leave Flat bears* N. and S. *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
54.00	*Top of Ridge, bears* N.20°W. & S.20°E., *and descend.*
79.90	*Intersect N. & S. line,* 70 *lks.* South *of cor. to secs.* 26-27-34-35 *from which corner, I run* S.89° 30′ W. *on a true line between sections* 27-34,
	Variation 15° 10′ *East*
39.95	*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.*
79.90	*The corner to sections* 27-28-33-34. 64.90 *lks. and* 15.00 *chains flat*

Land mountainous.
Soil 2nd rate
Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 27 and 28.
	Variation 15°10′ East.
	Descend.
14.00	Cross Wash, 300 lks. wide, Course West 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.
46.00	Top of Spur, bears N.W. and S.E., and descend.
59.00	Cross Wash, 350 lks. wide, Course N.W. and ascend.
80.00	Set a Sand stone 16 x 14 x 9 ins. 11 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 2nd rate
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27.
	Variation 15° East.
	Ascend.
17.00	Top of Spur, bears N.W. and S.E., and descend.
27.60	Cross Wash, 150 lks. wide, Course N.20W. and ascend.
40.00	Set temporary ¼ Sec. Cor.
65.00	Top of Spur, bears N. and S., and descend.
79.84	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° East
39.92	Set a Sand stone 14 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., 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 21-22-27-28.
	Land mountainous.
	Soil 2nd rate
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 21 and 22.
	Variation 15° East.
	Ascend.
23.00	*Top of Ridge, bears* N.60°W. & S.60°E *and descend.*
40.00	*Set a* Sand *stone* 16 x 16 x 10 *ins.,* 11 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W *face, dug pits* 18 x 18 x 12 *ins.,* E *and* W *. of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
41.00	*Cross Wash,* 80 *lks. wide, Course* N.70°W *and ascend.*
80.00	*Set a* Sand *stone* 14 x 14 x 11 *ins.* 9 *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 2nd rate
	Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22.
	Variation 15°05' East.
	Ascend.
24.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
36.00	*Cross Wash,* 300 *lks. wide, Course* N.W. *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
71.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
80.13	*Intersect N. & S. line,* 9 *lks.* North *of cor. to secs.* 14-15-22-23 *from which corner, I run* N.89°56' W. *on a true line between sections* 15-22,
	Variation ~~14°50'~~ 15°05' *East*
40.07	*Set a* Sand *stone* 15 x 11 x 9 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* N *and* S *. of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.13	*The corner to sections* 15-16-21-22.
	Land mountainous.
	Soil 2nd rate
	Vegetation, Bunchgrass.

Chains — North, between Sections 15 and 16.

Variation 15°05' East.

Ascend.

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

28.00 *Cross Wash,* 200 *lks. wide, Course* N.E., *and ascend.*

40.00 *Set a* Sand *stone* 12x12x9 *ins.,* 8 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*

55.00 *Top of Spur, bears* N.40°W. & S.40°E. *and descend.*

67.00 *Cross Wash,* 400 *lks. wide, Course* N.W. *and ascend.*

80.00 *Set a* Sand *stone* 14x14x12 *ins.* 9 *ins. in the ground for Cor. to Secs.* 9-10-15-16, *marked with* 4 *notches on S. and* 3 *notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,* 5½ *ft. dist. and raised a mound of earth 2 ft. high,* 4½ *ft. base.*

Land mountainous.
Soil 2nd rate
Vegetation, Bunchgrass.

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

Variation 15°10 East.

Ascend.

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

33.50 *Cross Wash,* 200 *lks. wide, Course* N.E., *and ascend.*

40.00 *Set temporary* ¼ *Sec. Cor.*

46.00 *Top of Spur, bears* N.40°W. & S.40°E. *and descend.*

63.00 *Cross Wash,* 400 *lks. wide, Course* N.W. *and ascend.*

80.00 *Intersect N. & S. line,* 30 *lks.* North *of cor. to secs.* 10-11-14-15, *from which corner, I run* N.89°47' W. *on a true line between sections* 10-15

Variation ~~14°50'~~ 15°10' *East*

40.00 *Set a* Sand *stone* 12x12x9 *ins.,* 8 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*

80.00 *The corner to sections* 9-10-15-16,

Land mountainous.
Soil 2nd rate
Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 10' East.
	Ascend.
12.00	Top of Spur, bears N. W. and S. E., and descend.
24.50	Cross Wash, 150 lks. wide, Course N.W. and ascend.
40.00	Set a Sand stone 14 x 14 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.
52.00	Top of Spur, bears N. 25° W. S. 25° E., and descend.
58.00	Enter Flat bears E. and W.,
69.50	Leave Flat bears E. and W., and ascend.
80.00	Set a Sand stone 17 x 15 x 8 ins. 11 ins. in the ground for Cor. to Secs. 3-4-9-10 marked with 5 notch 8 on S. and 3 notch 8 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 68.50 chs. mountainous. and 11.50 chains flat

Soil 2nd rate

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° East.
	Ascend.
11.00	Top of Spur, bears N. E. and S. W. and descend.
19.00	Cross Wash, 350 lks. wide, Course N. E., and ascend.
40.00	Set temporary ¼ Sec. Cor.
50.50	Enter Flat bears N. and S.
63.00	Leave Flat bears N. W. and S. E. and ascend.
80.10	Intersect N. & S. line, 9 lks. South of cor. to secs. 2-3-10-11 from which corner, I run S. 89° 56' W. on a true line between sections 3-10 Variation 15° East
40.05	Set a Sand stone 12 x 10 x 6 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N face, dug pits 18 x 18 x 12 ins., N and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.10	The corner to sections 3-4-9-10,

Land 67.60 chs. mountainous. and 12.50 chains level

Soil 2nd rate

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, on a random line between Sections 3 and 4. Variation 15° East.
	Ascend.
12.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
25.50	*Cross Wash,* 200 *lks. wide, Course* N.W., *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
51.00	*Top of Spur, bears* N.W. and S.E., *and descend.*
79.95	*Intersect* N. B. *of Tp.* 31 *lks.* East *of cor. to secs.* 3-4-33-34 *from which corner, I run* S. 13' E., *on a true line, between sections* 3—4
	Variation 15° *East.*
39.95	*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.,* E *and* N. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.95	*The corner to sections* 3—4—9—10, *Land mountainous. Soil* 2nd *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. M. Dakin, Oct. 17, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 14°55' East.
	Ascend.
13.00	*Top of Hill bears* E. and N., *and descend.*
22.30	*Cross Wash,* 130 *lks. wide, Course* S. 70° W., *and ascend.*
37.15	*Top of Spur, bears* E. and N., *and descend.*
40.00	*Set a* Sand *stone* 15 x 10 x 8 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* E *and* N. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
51.00	*Cross Wash,* 200 *lks. wide, Course* S. 20° W., *and ascend.*
63.20	*Top of Spur, bears* E. and N., *and descend.*
71.60	*Cross Wash,* 200 *lks. wide, Course* S. 55° E., *and ascend.*
80.00	*Set a* Sand *stone* 12 x 9 x 5 *ins.* 8 *ins. in the ground for Cor. to Secs.* 29-28-32-33 *marked with* / *notch on S. and* 4 *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 2nd & 3rd *rate Vegetation,* Bunchgrass

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

Variation 15°05′ East.

Ascend.

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

31.00 Cross Wash, 320 lks. wide, Course S, and ascend.

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

40.00 Set temporary ¼ Sec. Cor.

79.73 Intersect N. & S. line, 41 lks. North of cor. to secs. 27-28-33-34, from which corner, I run N 89°42′ W. on a true line between sections 28-33,

Variation 15° ~~10~~ 05′ East

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

79.73 The corner to sections 28-29-32-33.

Land mountainous.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Chains North, between Sections 28 and 29.

Variation 15°05′ East.

Ascend.

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

22.27 Cross Wash, 160 lks. wide, Course S35°E. and ascend.

36.20 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.

47.00 Cross Wash, 126 lks. wide, Course S.20°W. and ascend.

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

76.27 Cross Wash, 90 lks. wide, Course S30°W, and ascend.

80.00 Set a Sand stone 14 x 14 x 8 ins. 9 ins. in the ground for Cor. to Secs. 20-21-28-29 marked with 2 notch Es on S. and 4 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 2nd & 3rd rate
Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15° East.
	Ascend.
9.30	*Top of Spur, bears* N. W. and S. E., *and descend.*
14.70	*Cross Wash,* 120 *lks. wide, Course* S. *and ascend.*
31.25	*Top of Spur, bears* N. E. and S. W., *and descend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
79.89	*Intersect N. & S. line,* 68 *lks.* North *of cor. to secs.* 21-22-27-28 *from which corner, I run* N 89° 33′ W. *on a true line between sections* 21-28. *Variation* 15° *East*
39.95	*Set a* Sand *stone* 12 x 12 x 6 *ins.,* 8 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N *face, dug pits* 18 x 18 x 12 *ins.,* N *and* S *. of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.89	*The corner to sections* 20-21-28-29. *Land mountainous. Soil* 2nd & 3rd *rate Vegetation,* Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian

Chains	North, between Sections 20 and 21. Variation 15° East.
	Ascend.
9.20	*Top of Spur, bears* E. and N., *and descend.*
18.60	*Cross Wash,* 20 *lks. wide, Course* S. 40° E., *and ascend.*
27.00	*Top of Spur, bears* N. W. and S. E., *and descend.*
40.00	*Set a* Sand *stone* 16 x 9 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.,* E *and* W *. of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
43.00	*Cross Ravine, Course* S. 30° W. *and ascend*
51.60	*Top of Spur, bears* E. and W., *and descend.*
70.00	*Cross Wash,* 400 *lks. wide, Course* West *and ascend.*
80.00	*Set a* Sand *stone* 17 x 10 x 6 *ins.* 11 *ins. in the ground for Cor. to Secs.* 16-17-20-21 *marked with* 3 *notch es on S. and* 4 *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 2nd & 3rd *rate Vegetation,* Bunchgrass.

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

Variation 15° East.

Ascend.

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

16.70 Enter Flat bears N. and S.

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

40.00 Set temporary ¼ Sec. Cor.

79.58 Intersect N. & S. line, 21 lks. North of cor. to secs. 15-16-21-22 from which corner, I run N 89° 51′ W. on a true line between sections 16 - 21

Variation 15° 00′ East

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

79.58 The corner to sections 16-17-20-21.

Land Rolling and level.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Chains North, between Sections 16 and 17.

Variation 15° East.

Ascend.

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

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

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

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

80.00 Set a Sand stone 10 x 10 x 5 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 2nd & 3rd rate

Vegetation, Bunchgrass.

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

Variation 15°10′ East.

Ascend.

14.20 Top of Spur, bears N. and S., and descend.
16.00 Enter Flat bears N. and S.,
40.00 Set temporary ¼ Sec. Cor.
53.00 Leave Flat bears N. and S., and ascend.
79.72 Intersect N. & S. line, 6 lks. South of cor. to secs. 9-10-15-16 from which corner, I run S. 89°57′ W. on a true line between sections 9-16,

Variation 15°10′ East

39.86 Set a Sand stone 12 x 9 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.

79.72 The corner to sections 8-9-16-17.
42.72 lks.
Land mountainous. and 37.00 chains level.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Chains North, between Sections 8 and 9.

Variation 15°10′ East.

Descend.

13.50 Cross Wash, 65 lks. wide, Course S. 28 W. and ascend.
40.00 Set a Sand stone 13 x 7 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W face, dug pits 18 x 18 x 12 ins., E and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
41.33 Top of Spur, bears E. and W. and descend.
56.00 Cross Wash, 150 lks. wide, Course S. 75 W. and ascend.
78.00 Top of Spur, bears N. E. and S. W. and descend.
80.00 Set a Sand stone 12 x 9 x 6 ins. 8 ins. in the ground for Cor. to Secs. 4-5-8-9 marked with 5 notch 80 on S. and 4 notch 90 on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist. and raised a mound of earth 2 ft. high, 4½ ft. base.

Land mountainous.
Soil 2nd & 3rd rate
Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 15°15' East.

Ascend.

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

17.00 Cross Wash, 120 lks. wide, Course S. 40° E. and ascend.

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

40.00 Set temporary ¼ Sec. Cor.

79.80 Intersect N. & S. line, 18 lks. North of cor. to secs. 3-4-9-10 from which corner, I run N 89°52' W. on a true line between sections 4-9,

Variation ~~14°50'~~ 15°15' East

39.90 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.

79.80 The corner to sections 4-5-8-9.

Land mountainous.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 15°15' East.

Ascend.

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

14.00 Cross low Sag and ascend.

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

40.00 Set temporary ¼ Sec. Cor.

79.88 Intersect N B. of Tp. 7 lks. West of cor. to secs. 4-5-32-33, from which corner, I run S. 3' W., on a true line, between sections 4-5,

Variation 15°25' East.

39.88 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.

79.88 The corner to sections 4-5-8-9.

Land mountainous.

Soil 2nd & 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. 17, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains — North, between Sections 31 and 32.

Variation 14°50′ East.

Ascend.

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

23.20 Cross Wash, 130 lks. wide, Course E. and ascend.

40.00 Set a Sand stone 13 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.

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

60.50 Enter Flat bears E. and W.

80.00 Set a Sand stone 13 x 11 x 6 ins. 9 ins. in the ground for Cor. to Secs. 29-30-31-32, 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 60.50 chs. mountainous. and 19.50 chains level

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 14°55′ East.

18.00 Leave flat N. & S. and ascend

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

34.00 Enter flat N. and S.

40.00 Set temporary ¼ Sec. Cor.

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

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

80.09 Intersect N. & S. line, 11 lks. South of cor. to secs. 28-29-32-33 from which corner, I run S. 89°55′ W. on a true line between sections 29-32,

Variation ~~15°55′~~ 14°55′ East

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

80.09 The corner to sections 29-30-31-32,

Land 51.09 chs. mountainous. and 29.00 chains level

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

C. W. Dakin, Oct. 18, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31.
	Variation 14° 55' East.
	Over level land
16.00	Leave Flat bears N. and S. and ascend.
21.60	Top of Spur, bears N. and S. and descend.
28.00	Cross Wash, 130 lks. wide, Course S. and ascend.
40.00	Set temporary ¼ Sec. Cor.
79.73	Intersect N. B. of Tp. 29 lks South of cor. to secs. 25-30-31-36 from which corner, I run S. 89° 48' E., on a true line, between sections 30-31
	Variation ~~15~~ 14° 55' East.
39.73	Set a Sand stone 10 x 10 x 9 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.
79.73	The corner to sections 29-30-31-32, 16.00 chs. & 63.73 chs. Land level. mountainous. Soil 2nd & 3rd rate Vegetation, Bunchgrass. David McKay, Compassman, Oct. 18, 1882.

Township 31 North Range 38 West

6th Principal Meridian

Chains	North, between Sections 29 and 30.
	Variation 14° 55' East.
17.20	Leave Flat bears E. and W. and ascend.
28.00	Top of Spur, bears E. and W. and descend.
37.00	Cross Wash, 190 lks. wide, Course S. 20° W. and ascend.
40.00	Set a Sand stone 19 x 13 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.
46.00	Top of Spur, bears E. and W. and descend.
71.30	Cross Wash, 70 lks. wide, Course S. 15° E. and ascend.
80.00	Set a Sand stone 16 x 16 x 8 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.
	17.20 chs. 62.80 chs. Land level. and mountainous. Soil 2nd & 3rd rate Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 14°55′ East.

Ascend.

17.00 *Top of Hill bears* N. and S. *and descend.*

24.30 *Cross Wash,* 30 *lks. wide, Course* S. *and ascend.*

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

40.00 *Set temporary ¼ Sec. Cor.*

58.00 *Cross Wash,* 140 *lks. wide, Course* N. *and ascend.*

80.01 *Intersect N. & S. line,* 18 *lks.* South *of cor. to secs.* 20-21-28-29 *from which corner, I run* S. 89°52′ W. *on a true line between sections* 20-29,

Variation ~~5~~ 14°55′ *East*

80.02 *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.*

80.01 *The corner to sections* 19-20-29-30,

Land mountainous.

Soil 2nd & 3rd *rate*

Vegetation, Bunchgrass.

C. N. Dukin, Oct. 18, 1882,

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 14°55′ East.

Descend.

12.25 *Cross Wash,* 130 *lks. wide, Course* N. *and ascend.*

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

31.00 *Cross Wash,* 100 *lks. wide, Course* N. *and ascend.*

40.00 *Set temporary ¼ Sec. Cor.*

79.97 *Intersect* N. B. *of Tp.* 50 *lks.* South *of cor. to secs.* 19-24-25-30 *from which corner, I run* S. 89°39′ E., *on a true line, between sections* 19-30,

Variation 14°55′ *East.*

89.97 *Set a* Sand *stone* 14 x 8 x 6 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N *face, dug pits 18 x 18 x 12 ins.,* N *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*

79.97 *The corner to sections* 19-20-29-30,

Land mountainous.

Soil 2nd & 3rd *rate*

Vegetation, Bunchgrass.

David McKay, Compassman, Oct. 18, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 14° 55' East.
	Ascend.
7.25	*Top of Spur, bears* E. and W. *and descend.*
23.70	*Cross Wash,* 200 *lks. wide, Course* S. 15° E., *and ascend.*
38.40	*Top of Spur, bears* N.E. & S.W., *and descend.*
40.00	*Set a* Sand *stone* 11 x 9 x 6 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W., *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
42.00	*Enter Flat bears* E. and W.,
55.20	*Leave Flat bears* E. and W., *and ascend.*
67.30	*Top of Spur, bears* E. and W., *and descend.*
80.00	*Set a* Sand *stone* 15 x 12 x 6 *ins.* 10 *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 66.80 chs. *mountainous.* and 13.20 chs. level

Soil 2nd & 3rd rate

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 15° East.
	Ascend.
23.27	*Top of Spur, bears* N. and S., *and descend.*
31.20	*Cross Wash,* 130 *lks. wide, Course* S. 20° E., *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
43.30	*Top of Ridge, bears* N.W. & S.E., *and descend.*
55.18	*Cross Wash,* 100 *lks. wide, Course* S. *and ascend.*
77.00	*Top of Spur, bears* N. and S., *and descend.*
80.16	*Intersect N. & S. line,* 3 *lks.* North *of cor. to secs.* 16-17-20-21 *from which corner, I run* N. 89° 59' W. *on a true line between sections* 17-20.

Variation 15° *East*

Chains	
40.08	*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.*
80.16	*The corner to sections* 17-18-19-20.

Land mountainous.

Soil 2nd & 3rd rate

Vegetation, Bunchgrass

C. W. Dakin, Oct. 18, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19. Variation 15° East.
	Descend.
7.00	*Cross Ravine, Course* South *and ascend*
21.00	*Top of Ridge, bears* N. and S. *and descend.*
33.00	*Cross Wash,* 120 *lks. wide, Course* S. *and ascend.*
40.00	*Set temporary* ¼ *Sec. Cor.*
80.24	*Intersect* W. B. *of Tp.* 14 *lks* South *of cor. to secs.* 13-18-19-24 *from which corner, I run* S. 89° 54′ E. *on a true line, between sections* 18-19, *Variation* 15° 15′ *East.*
40.24	*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.*
80.24	*The corner to sections* 17-18-19-20, *Land mountainous.* *Soil* 2nd & 3rd *rate* *Vegetation,* Bunchgrass. David McLay, Compassman, Oct. 18, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 17 and 18. Variation 15° East.
	Ascend.
24.00	*Top of Ridge, bears* E. and W. *and descend.*
34.48	*Cross Wash,* 100 *lks. wide, Course* S. 30° E. *and ascend.*
40.00	*Set a* Sand *stone* 11 x 9 x 5 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W *face, dug pits* 18 x 18 x 12 *ins.,* E *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
41.50	*Top of Spur, bears* E. and W. *and descend.*
80.00	*Set a* Sand *stone* 19 x 13 x 6 *ins.* 14 *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* 2nd & 3rd *rate* *Vegetation,* Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17.
	Variation 15°10′ East.
23.16	Cross Wash, 38 lks. wide, Course S, and ascend.
40.00	Set temporary ¼ Sec. Cor.
79.84	Intersect N. & S. line, 30 lks. North of cor. to secs. 8-9-16-17 from which corner, I run N 89°49′ W. on a true line between sections 8-17,
	Variation 15°10′ East
39.92	Set a Sana 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.
79.84	The corner to sections 7-8-17-18,
	Land rolling.
	Soil 2nd & 3rd rate
	Vegetation, Bluegrass.
	C. W. Dakin, Oct. 18, 1882,

Township 31 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18.
	Variation 15°10′ East.
	Ascend.
2.30	Top of Spur, bears N. and S., and descend.
7.25	Cross Wash, 200 lks. wide, Course S. and ascend.
31.60	Top of Spur, bears N. and S., and descend.
40.00	Set temporary ¼ Sec. Cor.
80.01	Intersect N. B. of Tp. 25 lks. North of cor. to secs. 7-12-13-18 from which corner, I run N 89°49′ E., on a true line, between sections 7-18,
	Variation 15°~~30~~ 10′ East.
40.01	Set a Sana 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.
80.01	The corner to sections 7-8-17-18,
	Land mountainous.
	Soil 2nd & 3rd rate
	Vegetation, Bluegrass.
	David McKay, Ompassman, Oct. 18, 1882.

Township 31 North Range 38 West

6th Principal Meridian.

Chains — North, between Sections 7 and 8.

Variation 15°10′ East.

Ascend.

38.00 *Top of Ridge, bears* E. and W., *and descend.*

40.00 *Set a* Sand *stone* 11 x 9 x 7 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* 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.*

45.33 *Cross Wash,* 150 *lks. wide, Course* N.20°W *and ascend.*

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

72.00 *Cross Wash,* 60 *lks. wide, Course* S.15°W. *and ascend.*

80.00 *Set a* Sand *stone* 16 x 13 x 7 *ins.* 11 *ins. in the ground for Cor. to Secs.* 5-6-7-8 *marked with* 5 *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 2nd & 3rd *rate*

Vegetation, Bunchgrass.

Township 31 North Range 38 West

6th Principal Meridian.

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

Variation 15°10′ East.

Descend.

10.30 *Cross Wash,* 200 *lks. wide, Course* S.20°E. *and ascend.*

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

40.00 *Set temporary* ¼ *Sec. Cor.*

54.90 *Cross Wash,* 140 *lks. wide, Course* S., *and ascend.*

79.68 *Intersect N. & S. line,* 19 *lks.* North *of cor. to secs.* 4-5-8-9 *from which corner, I run* N.89°52′ *W. on a true line between sections* 5-8.

Variation 15°10′ *East*

39.84. *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.*

79.68 *The corner to sections* 5-6-7-8,

Land mountainous.

Soil 2nd & 3rd *rate*

Vegetation, Bunchgrass.

C. M. Dakin, Oct. 18, 1882.

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

Variation 15° 10' East.

Ascend.

16.00 *Top of Ridge, bears* N. and S., *and descend.*

27.00 *Cross Wash,* 130 *lks. wide, Course* N., *and ascend.*

40.00 *Set temporary ¼ Sec. Cor.*

80.33 *Intersect* N. *B. of Tp.* 40 *lks* North *of cor. to secs.* 1-6-7-12 *from which corner, I run* N 89° 43' E., *on a true line, between sections* 6-7,

Variation 15° 10' *East.*

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

80.33 *The corner to sections* 5-6-7-8,

Land mountainous.

Soil 2nd & 3rd *rate*

Vegetation, Bunchgrass.

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

Variation 15° 10' East.

Ascend.

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

13.00 *Cross Wash,* 48 *lks. wide, Course* N 20° E., *and ascend.*

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

40.00 *Set temporary ¼ Sec. Cor.*

80.02 *Intersect* N. *B. of Tp.* 20 *lks.* East *of cor. to secs.* 5-6-31-32 *from which corner, I run* S. 9' E., *on a true line, between sections* 5-6,

Variation 15° 10' *East.*

40.02 *Set a* Sand *stone* 13 x 11 x 7 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W *face, dug pits 18 x 18 x 12 ins.,* E *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*

80.02 *The corner to sections* 5-6-7-8,

Land mountainous.

Soil 2nd & 3rd *rate*

Vegetation Bunchgrass.

David McKay, Compassman,
Oct. 18, 1882.

GENERAL DESCRIPTION.

The land in this Township is mountainous, with soil 2nd and 3rd rate.

The vegetation consists of Bunchgrass which grows thriftily and in abundance in all parts of the Township.

A considerable portion of the land is valuable for grazing purposes.

U. S. Surveyor General's Office.

Plattsmouth Neb 1883

The foregoing Field Notes of the surveys of

The Subdivision lines of Township No 31 North of Range No 38 West of the Principal Base *Meridian*

in The State of Neb *executed by*

Charles W. Hakin

U. S. Deputy Surveyor, under his contract No 8 *dated*

Feb 2 1882 in the Mo. 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 V S Thompson

U. S. Surveyor-General for

Offsets on T. 33 N R 32 W

Charles W. Dakin, Deputy Surveyor.

T. 32 **North R.** 38 **West.**

6th Principal Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 32 North Range 38 West

6th Principal Meridian.

BY

Charles W. Dakin Deputy Surveyor.

Under his Contract of February 2nd 1882

Survey Commenced Oct 1st 1882

Survey Completed Oct 14 1882

Platted,
Copied for Washington,
Copied for Register,

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

Township 32 Range 38

W 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.*

Township 32 North Range 38 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° 00′ East.
	Descend.
19.00	*Cross low Sag and ascend.*
40.00	*Set a Sand stone 12 x 8 x 4 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
57.00	*Top of Hill bears N. 75° W. and S. 75° E. and descend.*
80.00	*Set a Sand stone 13 x 12 x 6 ins. 8 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 hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 25 and 36.
	Variation 14° 55′ East.
	Descend.
21.00	*Cross low Sag and ascend.*
40.00	*Set temporary ¼ sec. cor.*
53.00	*Top of Hill bears N. 40° W. and S. 40° E. and descend.*
69.50	*Cross low Sag and ascend.*
79.84	*Intersect E. B. of Tp. 14 lks. South of cor. to secs. 25, 30, 31 and 36 from which corner, I run S. 89° 54′ W. on a true line, between sections 25 and 36,*
	Variation 14° 55′ East.
39.92	*Set a Sand stone 13 x 12 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., 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 25, 26, 35 and 36.*
	Land hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 25 and 26.
	Variation 14° 55' East.
	Descend.
9.50	Cross low Sag and ascend.
40.00	Set a Sand stone 15 x 9 x 6 ins., 10 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
51.25	Top of Hill bears E. and W. and descend.
60.00	Enter Flat bears E. and W.
80.00	Set a Sand stone 13 x 10 x 7 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 hilly
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 24 and 25.
	Variation 15° 00' East.
	Over level land
20.00	Leave Flat bears N. and S. and ascend.
40.00	Set temporary ¼ sec. cor.
54.00	Top of Hill bears N. and S. and descend.
60.00	Enter Flat bears N. and S.
78.00	Leave Flat bears N. and S. and ascend.
79.97	Intersect E.B. of Tp. 21 lks. North of cor. to secs. 19, 24, 25 & 30 from which corner, I run N. 89° 51' W. on a true line, between sections 24 and 25.
	Variation ~~14° 55'~~ 15° 00' East.
39.98	Set a Sand stone 14 x 8 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.97	The corner to sections 23, 24, 25 and 26.
	Land hilly and level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 23 and 24.
	Variation 15° 00′ East.
	Over level land
13.75	Leave Flat bears N. 20° E. and S. 20° W. and ascend.
34.50	Top of Hill bears E. and W. and descend.
40.00	Set a Sand stone 16 x 12 x 8 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
51.00	Cross low Sag and ascend.
69.00	Top of Hill bears N. 30° E. and S. 30° W. and descend.
80.00	Set a Sand stone 14 x 12 x 6 ins. 9 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24 marked with 3 notches on S. and 1 notch on E. edges, 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 Good rate
	Vegetation of Bunchgrass and Sagebrush,

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 13 and 24.
	Variation 14° 55′ East.
	Ascend.
12.50	Top of Hill bears N. 35° E. and S. 35° W. and descend.
33.75	Cross low Sag and ascend.
40.00	Set temporary ¼ sec. cor.
59.00	Top of Hill bears N. 10° E. and S. 10° W. and descend.
80.24	Intersect E. B. of Tp. 10 lks. South of cor. to secs. 13, 18, 19 & 24 from which corner, I run S. 89° 52′ W. on a true line, between sections 13 and 24.
	Variation 14° 55′ East.
40.12	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.
80.24	The corner to sections 13, 14, 23 and 24.
	Land hilly
	Soil Good rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 13 and 14.
	Variation 14° 55' East.
	Descend.
19.00	Enter Flat bears N.E. and S.W.
39.00	Leave Flat bears N.E. and S.W. and ascend.
40.00	Set a Sand stone 14 x 10 x 6 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
77.00	Top of Spur, bears E. and W. and descend.
80.00	Set a Sand stone 13 x 9 x 7 ins. 8 ins. in the ground for Cor. to Secs. 11, 12, 13 and 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 20.00 Chs. level. and 60.00 Chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 12 and 13.
	Variation 14° 45' East.
	Ascend.
33.50	Top of Spur, bears N. 80° E. and S. 80° W. and descend.
40.00	Set temporary ¼ sec. cor.
53.00	Cross low Sag and ascend.
77.00	Top of Hill bears N.W. and S.E. and descend.
79.99	Intersect E.B. of Tp. 28 lks. North of cor. to secs. 7, 12, 13 and 18 from which corner, I run N. 89° 48' W. on a true line, between sections 12 and 13. Variation 14° 45' East.
89.99	Set a Sand stone 19 x 14 x 8 ins., 14 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.99	The corner to sections 11, 12, 13 and 14.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 11 and 12.
	Variation 14° 45' East.
	Descend.
40.00	*Set a* Sand stone 10 x 10 x 6 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on 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 12 x 10 x 10 ins. 8 ins. in the ground for Cor. to Secs. 1, 2, 11 and 12 marked with 5 notches on S. and 1 notch on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.

Land Rolling and level.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 1 and 12.
	Variation 14° 45' East.
	Over level land.
40.00	*Set temporary ¼ sec. cor.*
49.00	*Leave Flat bears* N. E. and S. W. *and ascend.*
80.15	*Intersect* E. B. *of Tp.* 62 lks. North *of cor. to secs.* 1, 6, 7 and 12 *from which corner, I run* N. 89° 33' W. *on a true line, between sections* 1 and 12.
	Variation 14° ~~54'~~ 45' *East.*
40.07	*Set a* Sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.15	*The corner to sections* 1, 2, 11 and 12. 49.00 lks. 31.15 lks.

Land level and mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 1 and 2. Variation 14° 45′ East.
	Over level land
40.00	Set a Sand stone 12 x 10 x 8 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
59.49	Intersect the 8th Standard Parallel North at a point 11.44 chs. West of the Standard Cor. to Secs. 31 and 36. Tps. 33 N., Rs. 37-38 W., at which point I.
	Set a Sand stone 15 x 10 x 8 ins. 10 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 level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.
	C. W. Dakin, Oct. 12th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 34 and 35. Variation 15° 00′ East.
	Over rolling land.
22.00	Enter Flat bears E. and W.
40.00	Set a Sand stone 13 x 12 x 11 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.
45.50	Leave Flat bears E. and W. and ascend.
80.00	Set a Sand stone 13 x 12 x 11 ins. 9 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 rolling and level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 26 and 35. Variation 15° 00' East.
	Ascend.
1.00	Top of Spur, bears N. W. and S. E. and descend.
35.00	Enter Flat bears N. E. and S. W.
40.00	Set temporary ¼ sec. cor.
49.00	Leave Flat bears N. E. and S. W. and
	Over rolling land.
80.11	Intersect N. & S. line, 30 lks. North of cor. to secs. 25, 26, 35 & 36 from which corner, I run N. 89° 47' W. on a true line between sections 26 & 35. Variation ~~14° 58'~~ 15° 00' East.
140.05	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., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
83.11	The corner to sections 26, 27, 34 and 35.
	Land rolling. and level.
	Soil 3rd rate
	Vegetation of Bunchgrass & Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 26 and 27. Variation 15° 00' East.
	Ascend.
1.00	Top of Spur, bears N. W. and S. E. and descend.
22.00	Over rolling land., slopes N. and N. E.
40.00	Set a Sand stone 12 x 9 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.
80.00	Set a Sand stone 12 x 12 x 5 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 rolling.
	Soil 3rd rate
	Vegetation of Bunchgrass & Sagebrush

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 23 and 26.
	Variation 14° 50′ East.
	Ascend.
12.00	*Top of Spur, bears N. 15° E. and S. 15° W. and descend.*
40.00	*Set temporary ¼ sec. cor.*
79.88	*Intersect N. & S. line, 5 lks. South of cor. to secs. 23, 24, 25 and 26 from which corner, I run*
	S. 89° 58′ W. on a true line between sections 23 and 26.
	Variation ~~15° 00′~~ 14° 50′ East.
39.94	*Set a Sand stone 13 x 13 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., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.88	*The corner to sections 22, 23, 26 and 27.*
	Land rolling.
	Soil Sandy rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	North, between Sections 22 and 23.
	Variation 14° 50′ East.
	Ascend.
33.00	*Top of Spur, bears N. 60° E. and S. 60° W. and descend.*
40.00	*Set a Sand stone 14 x 6 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base. on low Sag and ascend.*
45.00	*Top of Spur, bears N. W. and S. E. and descend.*
80.00	*Set a Sand stone 16 x 12 x 10 ins. 11 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 rolling.
	Soil Sandy rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 14 and 23.
	Variation 15° 00′ East.
	Ascend.
19.50	Top of Spur, bears N.E. and S.W. and descend.
25.00	Cross low Sag and ascend.
40.00	Set temporary ¼ sec. cor.
53.50	Top of Spur, bears N. and S. and descend.
79.69	Intersect N. & S. line, 13 lks. North of cor. to secs. 13, 14, 23 and 24 from which corner, I run N. 89° 54′ W. on a true line between sections 14 and 23.
	Variation ~~14° 50′~~ 15° 00′ East.
39.84	Set a Sand stone 18 x 10 x 6 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.69	The corner to sections 14, 15, 22 and 23.
	Land rolling.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 14 and 15.
	Variation 15° 00′ East.
	Ascend.
40.00	Set a Sand stone 10 x 9 x 5 ins., 7 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
62.50	Top of Spur, bears N.E. and S.W. and descend.
80.00	Set a Sand stone 18 x 10 x 5 ins. 12 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 rolling.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 11 and 14. Variation 15° 00' East.
	Ascend.
25.00	Top of Spur, bears N. E. and S. W. and descend.
35.00	Over rolling land.
40.00	Set temporary ¼ sec. cor,
42.00	Cross low Sag and ascend.
53.50	Top of Spur, bears N. and S. and descend.
79.91	Intersect N. & S. line, at cor. to secs. 11, 12, 13 and 14 from which corner, I run West on a true line between sections 11 and 14. Variation ~~[illegible]~~ 15° 00' East.
39.95	Set a Sand stone 16 x 12 x 5 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.91	The corner to sections 10, 11, 14 and 15.

Land, 7.00 Chs rolling. and 72.91 Chs. mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 10 and 11. Variation 15° 00' East.
	Descend.
15.00	Enter Flat bears N. E. and S. W.
40.00	Set a Sand stone 12 x 10 x 5 ins., 8 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.00	Set a Sand stone 13 x 10 x 8 ins. 9 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, 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 1st and 2nd rate

Vegetation of Bunchgrass.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 2 and 11. Variation 14° 50′ East.
	Over rolling land.
39.00	Cross low Sag and ascend.
40.00	Set temporary ¼ sec. cor.
50.00	Top of Spur, bears N. and S. and descend.
79.88	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 14° ~~45~~ 50′ East.
39.94	Set a Sand stone 13 x 11 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.88	The corner to sections 2, 3, 10 and 11.

Land mountainous. 40.88 Chs. and 39.00 Chains Rolling.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian

Chains	
	North, on a ~~random~~ true line between Sections 2 and 3. Variation 14° 50′ East.
	Over rolling land.
40.00	Set a Sand stone 13 x 8 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
59.21	Intersect the 8th Standard Parallel North at a point 11.10 chs. West of the Standard Cor. to Secs. 35 and 36 . T. 33 N., R. 38 W., at which point I.
	Set a Sand stone 10 x 10 x 5 ins. 7 ins. in the ground for Closing Cor. to Secs. 2 and 3 marked C. C. with 2 notches on E. and 4 notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone, 5½ ft. dist., and raised a mound of earth 2 ft. high, 4½ ft. base.

Land rolling.

Soil 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.

David Wm. Ray, Compassman.

Oct. 12th, 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 33 and 34.
	Variation 15° 00' East.
	Over level land
9.00	Leave Flat bears N. E. and S. W. and ascend.
29.00	Top of Spur, bears E. and W. and descend.
40.00	Set a Sand stone 13 x 8 x 2 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. in low Sag and ascend.
52.50	Top of Spur, bears N. W. and S. E. and descend.
80.00	Set a Sand stone 14 x 12 x 9 ins. 9 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 71.00 mountainous. and 9.00 chains flat.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 27 and 34.
	Variation 15° 10' East.
	Ascend.
32.50	Top of Spur, bears N. and S. and descend.
40.00	Set temporary ¼ sec. cor. low Sag and ascend.
49.00	Top of Spur, bears N. W. and S. E. and descend.
60.00	Cross low Sag and ascend.
79.95	Intersect N. & S. line, 11 lks. North of cor. to secs. 26, 27, 34 and 35 from which corner, I run N. 89° 55' W. on a true line between sections 27 and 34.
	Variation 15° 10' East.
39.97	Set a Sand stone 18 x 6 x 5 ins., 12 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.95	The corner to sections 27, 28, 33 and 34.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 27 and 28. Variation 15° 10' East.
	Descend.
27.50	*Cross low Sag and ascend.*
35.00	*Top of Spur, bears* N. 20° E. and S. 20° W. *and descend.*
40.00	*Set a* Sand *stone* 14 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.*
48.50	*Cross low Sag and ascend.*
57.50	*Top of Spur, bears* N. 35° E. and S. 35° W. *and descend.*
80.00	*Set a* Sand *stone* 12 x 9 x 9 *ins.* 8 *ins. in the ground for Cor. to Secs.* 21, 22, 27 and 28 *marked with* 2 *notches on S. and* 3 *notches on E. edges, 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 38 West

6th Principal Meridian.

Chains	East on a random line between Sections 22 and 27. Variation 15° 00' East.
	Ascend.
15.00	*Top of Spur, bears* N. E. and S. W. *and descend.*
19.00	*Cross low Sag and ascend.*
40.00	*Set temporary* ¼ *sec. cor.*
56.50	*Top of Spur, bears* N. 15° E. and S. 15° W. *and descend.*
79.72	*Intersect N. & S. line,* 41 *lks.* North *of cor. to secs.* 22, 23, 26 and 27 *from which corner, I run* N. 89° 42' W. *on a true line between sections* 22 and 27. *Variation* ~~14° 00'~~ 15° 00' *East.*
39.86	*Set a* Sand *stone* 15 x 15 x 9 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N. *face, dug pits, 18 x 18 x 12 ins.,* N. *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.72	*The corner to sections* 21, 22, 27 and 28.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 21 and 22.
	Variation 15° 00′ East.
	Descend.
21.00	*Enter Flat bears* N. 15° E.
40.00	*Set a* Band *stone* 10 x 8 x 5 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
49.00	*Leave Flat bears* N. W. *and* S. E. *and ascend.*
56.00	*Top of Spur, bears* E. *and* W. *and descend.*
80.00	*Set a* Band *stone* 15 x 11 x 10 *ins.* 10 *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.*

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

Soil 3rd *rate*

Vegetation of Bunchgrass *and* Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 15 and 22.
	Variation 14° 50′ East.
	Descend.
5.00	*Cross low Sag and ascend.*
29.50	*Top of Spur, bears* N. E. *and* S. W. *and descend.*
40.00	*Set temporary* ¼ *sec. cor.*
67.22	*Cross low Sag and ascend.*
78.00	*Top of Spur, bears* N. *and* S. *and descend.*
79.80	*Intersect N. & S. line,* 17 *lks.* North *of cor. to secs.* 14, 15, 22 *and* 23 *from which corner, I run* N. 89° 53′ W. *on a true line between sections* 15 *and* 22.
	Variation ~~15° 00′~~ 14° 50′ *East.*
39.90	*Set a* Band *stone* 13 x 11 x 3 *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.*
79.80	*The corner to sections* 15, 16, 21 *and* 22.

Land mountainous.

Soil 3rd *rate*

Vegetation of Bunchgrass *and* Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 15 and 16.
	Variation 14° 50' East.
	Descend.
13.00	*Enter Flat bears* E. and W.
36.00	*Leave Flat bears* E. and W. *and ascend.*
39.00	*Top of Spur, bears* N.E. and S.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.* in *low Sag and ascend.*
55.00	*Top of Spur, bears* E. and W. *and descend.*
66.00	*Enter Flat bears* E. and W.
80.00	*Set a* Sand *stone* 16 x 10 x 9 *ins.* 11 *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 43.00 chs. and 37.00 chains level. *mountainous.*
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 10 and 15.
	Variation 15° 00' East.
	Descend.
40.00	*Set temporary* ¼ *sec. cor.*
51.29	*Cross low Sag and ascend.*
79.97	*Intersect N. & S. line,* 25 *lks.* North *of cor. to secs.* 10, 11, 14 and 15 *from which corner, I run* N. 89° x 9' W. *on a true line between sections* 10 and 15.
	Variation 15° 00' *East.*
39.98	*Set a* Sand *stone* 15 x 8 x 5 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N. *face, dug pits,* 18 x 18 x 12 *ins.,* N. *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.97	*The corner to sections* 9, 10, 15 and 16.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 9 and 10. Variation 15° 00' East.
	Descend.
40.00	*Set a* Sand *stone 13 x 10 x 5 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
71.00	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone 18 x 11 x 6 ins. 12 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 38 West

6th Principal Meridian.

Chains	East on a random line between Sections 3 and 10. Variation 15° 00' East.
	Ascend.
40.00	*Set temporary ¼ sec. cor.*
55.50	*Top of Spur, bears* N. and S. *and descend.*
79.92	*Intersect N. & S. line,* 54 *lks.* North *of cor. to secs. 2, 3, 10 and 11 from which corner, I run* N. 89° 37' *W. on a true line between sections* 3 and 10. *Variation* ~~14° 00'~~ 15° 00' *East.*
39.96	*Set a* Sand *stone 16 x 5 x 3 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N. *face, dug pits, 18 x 18 x 12 ins.,* N. *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
79.92	*The corner to sections* 3, 4, 9 and 10.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 3 and 4. Variation 15° 00′ East.
	Ascend.
19.00	*Top of Spur, bears* E. and W. *and descend.*
40.00	*Set a* Sand *stone* 15 x 8 x 6 *ins.,* 10 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
42.00	*Cross low Sag and ascend.*
58.66	*Intersect the* 8th *Standard Parallel North at a point* 11.53 *chs.* West *of the Standard Cor. to Secs.* 34 *and* 35 *. T.* 33 N. *R.* 38 W. *at which point I.*
	Set a Sand *stone* 12 x 11 x 10 *ins.* 8 *ins. in the ground for Closing Cor. to Secs.* 3 *and* 4 *marked C. C. with* 3 *notches on E. and* 3 *notches on W. edges, dug pits 18 x 18 x 12 ins. S. E., and W. of stone,* 5½ *ft. dist., and raised a mound of earth* 2 *ft. high,* 4½ *ft. base.*
	Land mountainous.
	Soil 3rd *rate*
	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. 13th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 32 and 33. Variation 15° 25′ East.
	Ascend.
10.00	*Top of Spur, bears* E. and W. *and descend.*
17.00	*Cross low Sag and ascend.*
40.00	*Set a* Sand *stone* 16 x 10 x 8 *ins.,* 11 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
46.80	*Top of Spur, bears* N. W. and N. E. *and descend.*
80.00	*Set a* Sand *stone* 12 x 12 x 6 *ins.* 8 *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 mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 28 and 33. Variation 15° 15' East.
	Ascend.
10.00	*Top of Spur, bears* N. and S. *and descend.*
40.00	*Set temporary ¼ sec. cor.*
71.23	*Cross low Sag and ascend.*
79.78	*Intersect N. & S. line,* 63 *lks.* South *of cor. to secs.* 27, 28, 33 and 34 *from which corner, I run* S. 89° 33' *W. on a true line between sections* 28 and 33. *Variation* 15° 15' *East.*
39.89	*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.*
79.78	*The corner to sections* 28, 29, 32 and 33.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian

Chains	
	North, between Sections 28 and 29. Variation 15° 15' East.
	Descend.
6.00	*Enter Flat bears* E. and W.
34.00	*Leave Flat bears* E. and W. *and ascend.*
40.00	*Set a* Sand *stone* 18 x 9 x 6 *ins.,* 12 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W. *face, dug pits,* 18 x 18 x 12 *ins.,* E. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
46.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
63.00	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone* 22 x 16 x 9 *ins.* 16 *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.*
	28.00 lks. 52.00 lks. *Land level.* and *mountainous.*
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West
6th Principal Meridian.

Chains	East, on a random line between Sections 21 and 28. Variation 15° 10' East.
	Ascend.
23.50	*Top of Spur, bears* N. and S. *and descend.*
40.00	*Set temporary ¼ sec. cor.*
53.44	*Cross low Sag and ascend.*
80.17	*Intersect N. & S. line,* 41 *lks. Dista of cor. to secs.* 21, 22, 27 and 28 *from which corner, I run* S. 89° 42' *W. on a true line between sections* 21 and 28. *Variation* 15° 00' *East.*
40.08	*Set a* Band *stone* 20 *x* 10 *x* 5 *ins.,* 15 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N. *face, dug pits, 18 x 18 x 12 ins.,* N. *and* S. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
80.17	*The corner to sections* 20, 21, 28 and 29.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West
6th Principal Meridian

Chains	North, between Sections 20 and 21. Variation 15° 10' East.
	Ascend.
12.00	*Top of Spur, bears* E. and W. *and descend.*
23.00	*Cross low Sag and ascend.*
37.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
40.00	*Set a* Band *stone* 16 *x* 8 *x* 5 *ins.,* 11 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
45.30	*Cross low Sag and ascend.*
70.00	*Top of Spur, bears* N.E. and S.W. *and descend.*
80.00	*Set a* Lime *stone* 16 *x* 9 *x* 6 *ins.,* 11 *ins. in the ground for Cor. to Secs.* 16, 17, 20 and 21 *marked with* 3 *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 of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 16 and 21.
	Variation 15° 00' East.
	Ascend.
21.40	*Top of Spur, bears* N. and S. *and descend.*
23.54	*Cross low Sag and ascend.*
40.00	*Set temporary ¼ sec. cor.*
59.60	*Top of Spur, bears* N. 30° W. and S. 30° E. *and descend.*
79.95	*Intersect N. & S. line,* 18 *lks.* South *of cor. to secs.* 15, 16, 21 and 22 *from which corner, I run* S. 89° 52' *W. on a true line between sections* 16 and 21.
	Variation ~~14° 50'~~ 15° 00' *East.*
39.97	*Set a* Sand *stone* 12 *x* 12 *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.*
79.95	*The corner to sections* 16, 17, 20 and 21.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	North, between Sections 16 and 17.
	Variation 15° 00' East.
	Descend.
5.00	*Cross low Sag and ascend.*
35.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
40.00	*Set a* Sand *stone* 10 *x* 10 *x* 5 *ins.,* 7 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* W. *face, dug pits, 18 x 18 x 12 ins.,* E. *and* W. *of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.* *low Sag and ascend.*
54.00	*Top of Spur, bears* N.W. and S.E. *and descend.*
68.20	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone* 14 *x* 9 *x* 6 *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 mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 9 and 16. Variation 15° 00' East.
	Ascend.
22.00	*Top of Spur, bears* N. and S. *and descend.*
29.20	*Cross low Sag and ascend.*
40.00	*Set temporary ¼ sec. cor.*
48.00	*Top of Spur, bears* N. and S. *and descend.*
64.00	*Cross low Sag and ascend.*
80.11	*Intersect N. & S. line,* 26 *lks.* North *of cor. to secs.* 9, 10, 15 and 16 *from which corner, I run* N. 89° 49' *W. on a true line between sections* 9 and 16. *Variation* 15° 00' *East.*
40.05	*Set a* Sand *stone* 20 *x* 18 *x* 6 *ins.,* 15 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N. *face, dug pits,* 18 *x* 18 *x* 12 *ins.,* N. *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.11	*The corner to sections* 8, 9, 16 and 17.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 8 and 9. Variation 15° 00' East.
	Descend.
9.00	*Cross low Sag and ascend.*
11.00	*Top of Spur, bears* N.E. and S.W. *and descend.*
40.00	*Set a* Sand *stone* 13 *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.*
42.00	*Enter Flat bears* N. 60° E. and S. 60° W. *and ascend*
79.15	*Cross Niobrara River,* 95 *lks. wide, Course* N. 35° E.
80.00	*Set a* Sand *stone* 18 *x* 16 *x* 12 *ins.* 12 *ins. in the ground for Cor. to Secs.* 4, 5, 8 and 9 *marked with* 5 *notches on S. and* 4 *notches on E. edges, dug pits* 18 *x* 18 *x* 12 *ins. in each Sec.,* 5½ *ft. dist., and raised a mound of earth* 2 *ft. high* 4½ *ft. base.*
	Land 42.00 *chs.* mountainous. and 38.00 *chs.* level.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 4 and 9.
	Variation 14° 50' East.
	Descend.
11.00	Cross Niobrara River, 14 lks. wide, Course N. 40° E.
	and ascend.
40.00	Set temporary ½ sec. cor.
56.00	Top of Spur, bears N. and O. and descend.
80.03	Intersect N. & S. line, 48 lks. North of cor. to secs.
	3, 4, 9 and 10 from which corner, I run
	N. 89° 39' W. on a true line between sections 4 and 9.
	Variation ~~45° 00'~~ 14° 50' East.
40.01	Set a Lime stone 16 x 12 x 8 ins., 11
	ins. in the ground, for ¼ Sec. Cor., marked ¼ on N.
	face, dug pits, 18 x 18 x 12 ins., N. and O. of stone
	5½ ft. dist., and raised a mound of earth 1½ ft. high,
	3½ ft. base.
80.03	The corner to sections 4, 5, 8 and 9.
	Land mountainous.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 4 and 5.
	Variation 14° 50' East.
	Ascend.
40.00	Set a Sand stone 12 x 9 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.
57.90	Intersect the 8th Standard Parallel North at a
	point 11.76 chs. West of the Standard Cor. to
	Secs. 33 and 34. T. 33 N. R. 38 W. at which
	point I.
	Set a Post, 4 ft. long, 4 ins. square, 12 ins.
	in the ground for Closing Cor. to Secs. 4 and 5
	T. 32 N., R. 38 W. on S. B. 4 on E. and 5 on W. faces,
	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
	Post, 5½ ft. dist., and raised a mound of earth 2 ft.
	high, 4½ ft. base around Post.
	Land rolling.
	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.
	David McRae, Compassman.
	Oct. 10th 1882

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	North, between Sections 31 and 32.
	Variation 15° 15' East.
	Ascend.
8.00	*Top of Spur, bears* N. W. and S. E. *and descend.*
36.00	*Cross low Sag and ascend.*
39.90	*Top of Spur, bears* N. W. and S. E. *and descend.*
40.00	*Set a* Sand *stone* 10 x 10 x 6 *ins.,* 7 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* W. *face, dug pits,* 18 x 18 x 12 *ins.,* E. *and* W. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
67.00	*Cross low Sag and ascend.*
80.00	*Set a* Sand *stone* 17 x 14 x 9 *ins.* 11 *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 mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	
	East, on a random line between Sections 29 and 32.
	Variation 15° 15' East.
	Ascend.
24.00	*Top of Spur, bears* N. and S. *and descend.*
40.00	*Set temporary* ¼ *sec. cor.*
52.00	*Cross low Sag and ascend.*
79.93	*Intersect N. & S. line,* 29 *lks.* North *of cor. to secs.* 28, 29, 32 *and* 33 *from which corner, I run* N. 89° 48' W. *on a true line between sections* 29 *and* 32.
	Variation 15° 10' *East.*
39.96	*Set a* Lime *stone* 16 x 9 x 9 *ins.,* 11 *ins. in the ground, for* ¼ *Sec. Cor., marked* ¼ *on* N. *face, dug pits,* 18 x 18 x 12 *ins.,* N. *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.93	*The corner to sections* 29, 30, 31 *and* 32.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Baker, Oct. 4th 1884

Township 32 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 30 and 31. Variation 15° 10' East.
	Ascend.
2.00	Top of Spur, bears N. and S. and descend.
19.00	Cross low Sag and ascend.
40.00	Set temporary ¼ sec. cor.
63.00	Top of Spur, bears N. and S. and descend.
80.41	Intersect W.B. of Tp. 46 lks. South of cor. to secs. 25, 30, 31 and 36 from which corner, I run S. 89° 40' E. on a true line, between sections 30 and 31. Variation ~~14° 55'~~ 15° 10' East.
40.41	Set a Sand stone 14 x 14 x 8 ins., 9 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.41	The corner to sections 29, 30, 31 and 32.

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

D. McRae, Compassman,

Oct. 14th 1882

Township 32 North Range 38 West

6th Principal Meridian

Chains	North, between Sections 29 and 30. Variation 15° 10' East.
	Ascend.
20.00	Top of Spur, bears E. and W. and descend.
29.80	Cross low Sag and ascend.
40.00	Set a Lime stone 19 x 12 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.
45.00	Top of Spur, bears N.W. and S.E. and descend.
50.00	Enter Flat bears N.W. and S.E.
69.00	Leave Flat bears N.W. and S.E. and ascend.
80.00	Set a Sand stone 22 x 18 x 4 ins. 16 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.

61.00 chs. and 19.00 chains flat

Land mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 20 and 29.
	Variation 15° 00' East.
	Descend.
24.80	*Cross low Sag and ascend.*
27.00	*Top of Spur, bears* N. and D. *and descend.*
40.00	*Set temporary ¼ sec. cor.*
61.00	*Cross low Sag and ascend.*
80.02	*Intersect N. & S. line,* 35 *lks.* North *of cor. to secs.* 20, 21, 28 and 29 *from which corner, I run* N. 89° 45' *W. on a true line between sections* 20 and 29.
	Variation 15° 00' *East.*
40.01	*Set a* Sand *stone* 18 *x* 6 *x* 4 *ins.,* 12 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N. *face, dug pits,* 18 *x* 18 *x* 12 *ins.,* N. *and* D. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
80.02	*The corner to sections* 19, 20, 29 and 30.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Dakin, Oct. 14th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 19 and 30.
	Variation 15° 00' East.
	Ascend.
33.00	*Top of Spur, bears* N. and D. *and descend.*
40.00	*Set temporary ¼ sec. cor.*
52.24	*Cross low Sag and ascend.*
79.89	*Intersect W. B. of Tp.* 16 *lks.* South *of cor. to secs.* 19, 24, 25 & 30 *from which corner, I run* S. 89° 58' E. *on a true line, between sections* 19 and 30,
	Variation ~~14° 00'~~ 15° 00' *East.*
39.89	*Set a* Sand *stone* 14 *x* 8 *x* 8 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N. *face, dug pits,* 18 *x* 18 *x* 12 *ins.,* N. *and* D. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.89	*The corner to sections* 19, 20, 29 and 30.
	Land mountainous.
	Soil 3rd *rate*
	Vegetation of Bunchgrass and Sagebrush.
	David McRay, Compassman
	Oct. 14th 1882

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 19 and 20. Variation 15° 00' East.
	Ascend.
11.00	Top of Spur, bears N.W. and S.E. and descend.
30.00	Enter Flat bears E. and W.
40.00	Set a Sand stone 12 x 9 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 20 x 16 x 8 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, 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 50.00 chs level and 30.00 chains mts.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 17 and 20. Variation 15° 05' East.
	Over level land
40.00	Set temporary ¼ sec. cor.
46.00	Leave Flat bears N.E. and S.W. and ascend.
59.00	Top of Spur, bears N. 20° E. and S. 20° W. and descend.
79.86	Intersect N. & S. line, 4 lks. North of cor. to secs. 16, 17, 20 and 21 from which corner, I run N. 89° 58' W. on a true line between sections 17 and 20, Variation 15° 08' East.
39.93	Set a Sand stone 20 x 16 x 5 ins., 15 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.86	The corner to sections 17, 18, 19 and 20.

Land 46.00 chs level and 33.86 chs mountainous.

Soil 3rd rate

Vegetation of Bunchgrass and Sagebrush.

C. W. Dakin, Oct. 14th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 18 and 19.
	Variation 15° 05' East.
	Over level land
40.00	Set temporary ½ sec. cor.
80.12	Intersect W. B. of Tp. 30 lks. North of cor. to secs. 13, 18, 19 & 24 from which corner, I run
	N. 89° 47' E. on a true line, between sections 18 and 19.
	Variation ~~[illegible]~~ 15° 05' East.
40.12	Set a Lime 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 D. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
80.12	The corner to sections 17, 18, 19 and 20.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	David McRay, Compassman,
	Oct. 14th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 17 and 18
	Variation 15° 05' East.
	Over level land
5.00	Leave Flat bears E. and W. and ascend.
26.00	Top of Spur, bears E. and W, and descend.
40.00	Set a Sand stone 16 x 12 x 8 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
45.00	Cross low Sag and ascend.
59.50	Top of Spur, bears E. and W. and descend.
68.00	Enter Flat bears E. and W.
80.00	Set a Lime stone 13 x 9 x 6 ins. 9 ins. in the ground for Cor. to Secs. 7, 8, 17 and 18 marked with 4 notches on S. and 5 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base.
	Land mountainous. 63.00 chs. and 17.00 chains flat
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	East, on a random line between Sections 8 and 17. Variation 15° 00′ East.
	Over level land
17.00	*Leave Flat bears* N. E. and S. W. *and ascend.*
29.00	*Top of Spur, bears* N. and S. *and descend.*
40.00	*Set temporary ¼ sec. cor.*
52.00	*Cross low Sag and ascend.*
79.81	*Intersect N. & S. line,* 20 *lks.* North *of cor. to secs.* 8, 9, 16 and 17 *from which corner, I run* N. 89° 51′ *W. on a true line between sections* 8 and 17. *Variation* 15° 00′ *East.*
39.90	*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.*
79.81	The corner to sections 7, 8, 17 and 18.
	Land mountainous. 62.81 chs. and 17.00 chains flat
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	C. W. Baker, Oct. 14th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	West, on a random line between Sections 7 and 18. Variation 15° 00′ East.
	Over level land
40.00	*Set temporary ¼ sec. cor.*
79.74	*Intersect W. B. of Tp.* 14 *lks.* North *of cor. to secs.* 7, 12, 13 & 18 *from which corner, I run* N. 89° 54′ E. *on a true line, between sections* 7 and 18. *Variation* 15° 00′ *East.*
39.74	*Set a* Sand *stone* 13 x 8 x 6 *ins.,* 9 *ins. in the ground, for ¼ Sec. Cor., marked ¼ on* N. *face, dug pits,* 18 x 18 x 12 *ins.,* N. *and* S. *of stone* 5½ *ft. dist., and raised a mound of earth* 1½ *ft. high,* 3½ *ft. base.*
79.74	The corner to sections 7, 8, 17 and 18.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.
	David McBay, Compassman. Oct. 14th 1882.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, between Sections 7 and 8.
	Variation 15° 00′ East.
	Descend. gradually over Flat.
37.00	Cross Road, bears, E. and W.
40.00	Set a Sand stone 16 x 8 x 6 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
63.00	Cross Niobrara River, 110 lks. wide, Course E. and ascend.
80.00	Set a Sand stone 12 x 10 x 6 ins. 8 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 rolling.
	Soil 3rd rate
	Vegetation of Bunchgrass and Osgelnash.

Township 32 North Range 38 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.
79.72	Intersect N. & S. line, 80 lks. North of cor. to secs. 4, 5, 8 and 9 from which corner, I run N. 89° 26′ W. on a true line between sections 5 and 8.
	Variation ~~14° 50′~~ 15° 00′ East.
39.86	Set a Sand stone 16 x 12 x 10 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on N. face, dug pits, 18 x 18 x 12 ins., N. and S. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.
79.72	The corner to sections 5, 6, 7 and 8.
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Osgelnash.
	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. 14th 1882.

Township 32 North Range 38 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.*
79.87	*Intersect W. B. of Tp. 35 lks. North of cor. to secs. 1, 6, 7 and 12 from which corner, I run N. 89° 45′ E. on a true line, between sections 6 and 7.*
	Variation 15° 00′ East.
39.87	*Set a Sand stone 10 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.*
79.87	*The corner to sections 5, 6, 7 and 8.*
	Land level.
	Soil 3rd rate
	Vegetation of Bunchgrass and Sagebrush.

Township 32 North Range 38 West

6th Principal Meridian.

Chains	North, on a ~~random~~ true line between Sections 5 and 6.
	Variation 15° 00′ East.
	Ascend.
40.00	*Set a Sand stone 16 x 13 x 9 ins., 11 ins. in the ground, for ¼ Sec. Cor., marked ¼ on W. face, dug pits, 18 x 18 x 12 ins., E. and W. of stone 5½ ft. dist., and raised a mound of earth 1½ ft. high, 3½ ft. base.*
57.10	*Intersect the 8th Standard Parallel North at a point 11.50 chs. West of the Standard Cor. to Secs. 32 and 33 . T. 33 N. R. 38 W. at which point I.*
	Set a Sand stone 16 x 13 x 9 ins. 11 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.
	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. 14th 1892

GENERAL DESCRIPTION.

The surface of this Township is of nearly every variety — level, rolling and mountainous, with soil of 3rd rate, which produces Bunchgrass and Sagebrush.
The grass found here, would be very valuable for grazing purposes, but water is so scarce in the Township, that it is not much used for this purpose.
There is no timber in the Tp.
Niobrara River, crosses the N.W. part, it being the only stream in the Tp.
A Wagon road passes E. and W. through Secs. 7 and 8.
There are no settlements in the Tp.
Sandstone is abundant, it being used for nearly all the corners.

U. S. Surveyor General's Office.

Plattsmouth Neb 1883

The foregoing Field Notes of the surveys of the Subdivision lines of Township No 32 North, of Range No 38 West of the Principal Base and Meridian in the State of Nebraska executed by Charles W. Wakin No 8 U. S. Deputy Surveyor, under his contract dated Feb. 2nd 1882, in the Month of October 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

609

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.