General Land Office • Original Field Notes

Book Number

772

W.W. Alt - 6th Standard Parallel through T 30 - 40 N

The images in this file are microfilm images of the notes of W.W. Alt resurveys of portions of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The W.W. Alt resurveys began in the mid 1890's and were completed in the early 1900's.

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(4—679.)

Received with letter from W. W. Alt, U.S. Surveyor, dated Sept 13, 1896. 98725 - '96

FIELD NOTES

OF THE Re SURVEY OF

"Sixth Standard Parallel North,

through Ranges

30, 31, 32, 33, 34, 35, 36, 37, 38, 39 and 40 W.

Of the 6th Principal Meridian,

State of Nebraska

AS SURVEYED BY

Willard W. Alt, U. S. ~~Deputy~~ Surveyor.

Under his Contract ~~No.~~, dated December 26 1894.

Survey commenced May 7, 1895.

Survey completed May 31, 1895.

Trts. 37 and 33

Names and Duties of Assistants.

Sidney Blout, Chainman

Clarence P. Haggard, Chainman

James G. Gurver, Flagman

James C. Rosengren, Mound man

Theodore Neeland, Mound man

INDEX.

T. 25 N., R. 40 W.

	31	32	33	34	35	36
Random line		1	2	2	2	2
~~True line~~		76	75	74	73	72

6th Standard Parallel N.

T. 25 N., R. 39 W.

	31	32	33	34	35	36
Random line	2	3	3	3	4	4
~~True line~~	71	70	69	68	67	66

6th Standard Parallel N.

T. 25 N., R. 38 W.

	31	32	33	34	35	36
Random line	4	4	4	4	5	5
True line	65	64	63	62	61	61

6th Standard Parallel N.

T. 25 N., R. 37 W.

	31	32	33	34	35	36
Random line	5	6	6	6	6	6
True line	60	59	58	58	57	56

6th Standard Parallel N.

T. 25 N., R. 36 W.

	31	32	33	34	35	36
Random line	7	7	7	8	8	8
True line	55	54	53	52	51	50

6th Standard Parallel N.

T. 25 N., R. 35 W.

	31	32	33	34	35	36
Random line	9	9	10	10	10	10
True line	49	48	47	46	45	45

6th Standard Parallel N.

T. 25 N., R. 34 W.

	31	32	33	34	35	36
Random line	10	11	11	11	11	11
True line	44	43	42	41	40	39

6th Standard Parallel N.

T. 25 N., R. 33 W.

	31	32	33	34	35	36
Random line	11	13	13	13	13	13
True line	38	37	36	35	34	33

6th Standard Parallel N.

T. 25 N., R. 32 W.

	31	32	33	34	35	36
Random Line	14	14	15	15	15	16
True line	31	30	29	28	27	26

6th Standard Parallel N.

T. 25 N., R. 31 W.

	31	32	33	34	35	36
Random line	16	16	16	17	17	17
True line	25	24	23	22	21	20

6th Standard Parallel N.

T. 25 N., R. 30 W.

	31	32	33	34	35	36
Random line	17	18				
True line	19	18				

6th Standard Parallel N.

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Secs. 37 and 33

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Preliminary Oaths of Assistants.

WE, _____

_____

_____

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain over even and uneven ground, and plumb the tally-pins either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us in the survey of the _____

_____

_____

_____

_____

_____, Chainman.

_____, Chainman.

_____, Chainman.

_____, Chainman.

Subscribed and sworn to before me this _____

day of _____, 18

_____

_____

WE, _____

_____

do solemnly swear that we will well and truly perform the duties of axemen in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the _____

_____

_____

_____

_____

Subscribed and sworn to before me this _____ } _____, Axeman.

day of _____, 18 . } _____, Axeman.

_____

_____

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Oaths are not part of the Field Notes but are filed with the Surveys

See page 190

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Resurvey of the 6th Standard Parallel North, through Ranges 31 to 40 W. inclusive and the S. boundaries of Secs. 31 and 32, R. 30 W. State of Nebraska

Chains	
	Survey commenced May 7, 1895 and executed with a Young and Son Transit Number 6 the horizontal limb being provided with two opposite verniers reading to minutes. At the original closing cor. T. 24 N. Rs. 40 and 41 W. which is an oak stake 1 ft. above ground and 4 ins. sq. marked and described as in the field notes of the 5th Guide Meridian, W. Latitude 42° 05' N. Longitude 101° W. At 11.03 central standard time I observe Polaris on the meridian at lower culmination being 1 3/4 minutes after the Star Delta Cassiopeiae was in the plane of Polaris and mark the line thus determined by tack driven N. of cor. May 7, 1895
	At 4.11 local mean time, morning of May 8 I observe Polaris at Eastern elongation at the corner above described - the closing cor. T 25 N. Rs. 40 and 41 W. in accordance with instructions in the manual and mark the line thus determined by a point in stake driven N. of cor. At 7 A.M. I lay off the azimuth of Polaris of 1°41' to the W. and mark the true meridian thus determined by driving tack in oak stake driven firmly in the ground 4.92 chs. N. I find that my observation of Polaris on the meridian and the true meridian established as above exactly agree. The magnetic bearing of the true meridian at 7 A.M. is N. 17°55' W. which reduced by the table on page 100 of the manual, for this time gives the mean mag. decl. 17°51' E. From a point on the meridian 3 links S. of the closing Cor., I turn an angle of 90°06' to the E. and run through
	Range 40 W.
	S. 89°54' E. on the tangent to the old parallel S. of Sec. 31
21.80	N. 3 1/2 links from the tangent, set temp. cor. of Secs. 34 and 33

6th Standard Parallel N., through Ranges 39 and 40 W.

Chains

S. 89° 54' E. on the tangent S. of Sec. 33

40.00 N. 6 lks. from the tangent set temp. 1/4 sec. cor.

80.00 N. 8 1/4 " " " " " " cor. of secs. 33 and 34

S. 89° 54' E. on the tangent S. of sec. 34

40.00 N. 11 lks. from the tangent set temp. 1/4 sec. cor.

80.00 N. 14 " " " " " " cor. of secs. 34 and 35

S. 89° 53' E. on the tangent S. of sec. 35

40.00 N. 18 1/4 lks. from the tangent set temp. 1/4 sec. cor.

80.00 N. 23 " " " " " " cor. of secs. 35 and 36

S. 89° 51' E. on the tangent S. of sec. 36

1.40 The old cor. of secs. 35 and 36 which is S. 427 lks. from the random. From this cor. to the closing cor. of T. 24 N. Rs. 40 and 41 W. the true bearing of the standard is N. 89° 08' W.

40.00 N. 27 1/4 lks. from the tangent set temp. 1/4 sec. cor.

41.66 The old 1/4 sec. cor. on S. bdy. of sec. 36 which is S. 51 lks. from the random. From this cor. to the cor. of 35 and 36 the true bearing of the standard is N. 88° 39' W.

80.00 N. 33 lks. from the tangent set temp. cor. of T. 23 N. Rs. 39 and 40 W.

At this cor. I deflect 9' 17" to the N. from the tangent prolonged, and run through

Range 39 W.

N. 89° 39' E. on the tangent S. of sec. 31

40.00 N. 27 1/4 lks. from the tangent set temp. 1/4 sec. cor.

41.90 The old 1/4 sec. cor. on S. bdy. of sec. 31 which is S. 7.10 chs. from the random. From this cor. to the old 1/4 sec. cor. on the S. bdy. of sec. 31 R. 40 W. the true bearing of the standard is N. 88° 33' W.

80.00 N. 23 lks. from the tangent set temp. cor. of secs. 31 and 32

6th Standard Parallel North through Ranges 39 W.

Chains

East on the tangent S. of sec. 32.

2.05 The old cor. of secs. 31 and 32 which is 787 links S. of the random. From this cor. to the old 1/4 cor. on S. bdy. of sec. 31 the true bearing of the standard is N. 88° 50' W.

40.00 N. 18 1/4 lks from the tangent set temp. 1/4 sec. cor.

80.00 N. 14 " " " " " " cor. of secs. 32 and 33

S. 89° 59' E. on the tangent S. of sec. 33

40.00 N. 11 lks. from the tangent set temp. 1/4 sec. cor.

43.72 The old 1/4 sec. cor. on S. bdy. of sec. 33 which is S. 10.70 lks from the random. From this cor. to the old cor. of secs. 31 and 32 the true bearing of the standard is N. 88° 36' W.

80.00 N. 8 1/4 lks. from the tangent set temp. cor. of secs. 33 and 34

S. 89° 58' E. on the tangent S. of sec. 34

4.43 The old cor of secs. 33 and 34 which is S. 11.28 chs. from the random. From this cor. to the old 1/4 cor. on S. bdy. of sec. 33, the true bearing of the standard is N. 89° 08' W.

40.00 N. 6 lks. from the tangent set temp. 1/4 sec. cor.

45.25 The old 1/4 sec. cor. on S. bdy. of sec. 34 which is S. 12.08 chs. from the random. From this cor. to the cor. of secs. 33 and 34 the true bearing of the standard is N. 88° 48' W.

80.00 N. 3 1/2 lks. from the tangent set temp. cor. of secs. 34 and 35

May 8 1895

At 4.54 Central standard time or 4.09 local mean time on morning of May 9, I observe Polaris at eastern elongation in accordance with instructions in the manual and mark the line thus determined by point in stake N. of cor. observation taken at the temporary cor. of secs. 32 and 33 on the tangent

At 7 A.M. I lay off the azimuth of 1° 41' to the N. from the point established this morning and set a flag on the true meridian thus determined, to test my tangent. I turn an angle from N. to East and find that the angle of the true meridian and my tangent is 90° 01'. So I conclude that I have made no errors.

6th Standard Parallel North through Ranges 38 and 39 W.

Chains S. 89° 58' E. on the tangent S. of sec. 35

40.00 N. 2½ lks. from the tangent set temp. ¼ sec. cor.

80.00 N. 1 " " " " " " cor. of secs. 35 and 36

S. 89° 55' E. on the tangent S. of sec. 36

8.49 The old cor. of secs. 35 and 36 which is S. 14.28 chs. from the random. From this cor. to the old ¼ sec. cor. on S. bdy. of sec. 34, the true bearing of the standard is N. 88° 53' W.

40.00 N. ¼ lk. from the tangent set temp. ¼ sec. cor.

80.00 N. 0 " " " " " " cor. of Tps. 25 N. Rs. 38 and 39 W.

Thence I run through

Range 38 W.

S. 89° 56' E. on the tangent S. of sec. 31

40.00 N. ¼ lk. from the tangent set temp. ¼ sec. cor

80.00 N. 1 " " " " " " cor. of secs. 31 and 32

S. 89° 55' E. on the tangent S. of sec. 32

11.39 The old cor. of secs. 31 and 32 which is S. 16.09 chs. from the random. From this cor. to the old cor. of secs. 35 and 36. R. 39 W. the true bearing of the standard is N. 89° 17' W.

40.00 N. 2½ lks. from the tangent set temp. ¼ sec. cor.

80.00 N. 3½ " " " " " " cor. of secs. 32 and 33

S. 89° 54' E. on the tangent S. of sec. 33

12.84 The old cor. of secs. 32 and 33 which is S. 15.52 chs. from the random. From this cor. to the old cor. of secs. 31 and 32 the true bearing of the standard is S. 89° 40' W.

40.00 N. 6 lks. from the tangent set temp. ¼ sec. cor.

80.00 N. 8¼ " " " " " " cor. of secs. 33 and 34

May 9 - 1895

S. 89° 54' E. on the tangent S. of sec. 34

12.80 The old cor. of secs. 33 and 34 which is S. 14.28 chs. from the random. From this cor. to the old cor. of secs. 32 and 33

6th Standard Parallel North, through Ranges 37 and 38 W.

Chains. the true bearing of the standard is S. 89° 12' W.

40.00 N. 11 lks. from the tangent, set temp. ¼ Sec. Cor.

80.00 N. 14 " " " " " " Cor. of Secs. 34 and 35.

S. 89° 53' E. on the tangent S. of Sec. 35.

40.00 N. 18¼ lks. from the tangent, set temp. ¼ Sec. Cor.

80.00 N. 23 " " " " " " Cor. of Secs. 35 and 36.

S. 89° 52' E. on the tangent, S. of Sec. 36.

40.00 N. 27¼ lks. from the tangent, set temp. ¼ Sec. Cor.

80.00 N. 33 lks. " " " " " Cor. of Tp. 25 N. Rs. 37 and 38 W.

At this Cor., I deflect 9'17" to the N. from the tangent prolonged, and run through

Range 37 W

N. 89° 59' E. on the tangent S. of Sec. 31.

14.75 The old Cor. of Tp. 25 N., Rs. 37 and 38 W., which is S. 12.50 chains from the random line. From this Cor. to the old Cor. of Sec. 32 and 33, R. 38 W., the true bearing of the Standard is S. 89° 38' W.

May 10, 1895.

On morning of May 11, 1895, at 4.03 local mean time I observe Polaris at Eastern Elongation, from a tack in an Oak Stake firmly driven in the ground 31 links S. of the old Cor. of Tp. 25 N., Rs. 37 and 38 W., in accordance with instructions in the Manual, and mark the line thus determined by a point on a stake driven N. of my station.

At 7 A.M. I lay off the azimuth of Polaris of 1°41' to the West and mark the true meridian thus determined by a tack in Oak Stake firmly driven in the ground 6 chains N. of my station.

The magnetic bearing of the true meridian at 7 A.M. is N. 13° 05' W., which reduced by the table on page 100 of the Manual gives the mean mag. decl. 13° 01' E

6th Standard Parallel North, through Range 37 W. Continued.

Chains

To test my tangent, I prolong my meridian to the N. to an intersection with the tangent, and I find that the angle of the true meridian and the tangent prolonged to the East is 89°59'

At this point I offset with the tangent to the point 31 links S of the Cor. of Tp., and turn an angle of 89°59' from meridian to the East, and run through Range 37 on the offset line

40.00 N. 27¼ lks. from the tangent, set temp. ¼ Sec. Cor., this being 25.25 ch. from the Tp. Cor.

80.00 N. 33 lks. from the tangent, set temp. Cor. of Secs. 31 and 32.

East on the tangent S. of Sec. 32.

40.00 N. 18¼ lks. from the tangent, set temp. ¼ Sec. Cor.

55.75 The old ¼ Sec. Cor. on S. bdy. of Sec. 32, which is N. 18 lks. from the random. From this Cor. to the Tp. Cor. of Tp. 25 N., Rs. 37 and 38 W., the true bearing of the standard is S. 89°59' W.

80.00 N. 14 lks. from the tangent, set temp. Cor. of Secs. 32 and 33.

S. 89°59' E. on the tangent, S. of Sec. 33

40.00 N. 11 lks. from the tangent, set temp. ¼ Sec. Cor.

80.00 N. 8¼ " " " " " Cor. of Secs. 33 and 34

S. 89°58' E. on the tangent, S. of Sec. 34

40.00 N. 6 lks. from the tangent, set temp. ¼ Sec. Cor.

80.00 N. 3½ " " " " " " Cor. of Secs. 34 and 35.

S. 89°58' E. on the tangent, S. of Sec. 35.

18.67 The old Cor. of Secs. 34 and 35 which is S. 58 lks. from the random. From this Cor. to the old ¼ Sec. Cor. on the S. bdy. of Sec. 32, the true bearing of the standard is N. 89°43' W.

40.00 N. 2½ lks. from the tangent, set temp. ¼ Sec. Cor.

80.00 N. 1 lk. " " " " " Cor. of Secs. 35 and 36

S. 89°57' E. on the tangent S. of Sec. 36.

40.00 N. ¼ lk. from the tangent, set temp. ¼ Sec. Cor.

6th Standard Parallel North, through Range 37 W. concluded.

Chains

80.00 N. 0 lks. from the tangent set temp. cor. of Tp. 25 N. Rs. 36 and 37 W. thence I run through

Range 36 W.

S. 89°56' E. on the tangent S. of sec. 31

19.40 The old cor. of Tp. 25 N. Rs. 36 and 37 W. which is S. 144 lks. from the random. From this cor. to the cor. of secs. 34 and 35, R. 37 W. the true bearing of the standard is N. 89°37' W.

May 11, 1895

At the temp. cor. of T. 25 N. Rs. 36 and 37 W. on the tangent at 3.53 local mean time on morning of May 13. I observe Polaris at Eastern elongation in accordance with instructions in the manual and mark the line thus determined by a point in stake driven North of cor.

At 7 a.m. I lay off the azimuth of Polaris 1°41' to the West, and mark the true meridian thus determined by a flag set North of the cor.

I find that the angle of the true meridian and the tangent prolonged is 90°04' from N. to E.

The magnetic bearing of the true meridian at 7 a.m. is N. 13°05' W. which reduced by the table on page 100 of the manual gives the mean mag. decl. 13°01' E.

40.00 N. ¼ lk. from the tangent, set temp. ¼ sec. cor.

80.00 N. 1 " " " " " " cor. of secs. 31 and 32

S. 89°55' E. on the tangent S. of sec. 32

40.00 N. 2½ lks. from the tangent set temp. ¼ sec. cor.

60.84 The old ¼ sec. cor. on S. bdy. of sec. 32, which is S. 221 links from the random. From this cor. to the old cor. of Tp. 25 N. Rs. 36 and 37 W. the true bearing of the standard is N. 89°33' W.

80.00 N. 3½ lks. from the tangent, set temp. cor. secs. 32 and 33

S. 89°54' E. on the tangent S. of sec. 33

20.84 The old cor. of secs. 32 and 33 which is S. 261 lks. from the random. From this cor. to the old ¼ cor. on S. bdy. sec. 32 the true bearing of the standard is N. 89°22' W.

40.00 N. 6 lks. from the tangent, set temp. ¼ sec. cor.

60.84 The old ¼ sec. cor. on S. bdy. of sec. 33 which is S. 7.96 ch.

6th Standard Parallel North, through Range 36 W. concluded

Chains	
	from the random. From this cor. to the old cor. of secs. 34 and 33, the true bearing of the standard is N. 89° 46' W.
80.00	N. 8¼ lks. from the tangent, set temp. cor. secs. 33 and 34
	S. 89° 54' E. on the tangent S. of sec. 34
20.84	The old cor. of secs. 33 and 34, which is S. 3.14 chs. from the random. From this cor. to the old ¼ cor. on S. bdy of sec. 33, the true bearing of the Standard is N. 89° 41' W.
40.00	N. 11 lks. from the tangent, set temp. ¼ sec. cor.
60.34	The old ¼ sec. cor. on S. bdy. of sec. 34, which is S. 3.97 chs. from the random. From this cor. to the old cor. of secs. 33 and 34 the true bearing of the standard is N. 88° 45' W.
80.00	N. 14 lks. from the tangent, set temp. cor. secs. 34 and 35
	S. 89° 53' E. on the tangent S. of sec. 35
20.85	The old cor. of secs. 34 and 35 which is S. 4.26 chs. from the random. From this cor. to the old ¼ sec. cor. on S. bdy. of sec. 34, the true bearing of the standard is N. 89° 37' W.
40.00	N. 18¼ lks. from the tangent set temp. ¼ sec. cor.
60.88	The old ¼ sec. cor. on S. bdy. of sec. 35 which is S. 4.72 chs. from the random. From this cor. to the old cor. secs. 34 and 35 the true bearing of the standard is N. 89° 17' W.
80.00	N. 23 lks. from the tangent, set temp. cor. secs. 35 and 36
	S. 89° 57' E. on the tangent S. of sec. 36
20.96	The old cor. of secs. 35 and 36, which is S. 5.15 chs. from the random. From this cor., to the old ¼ sec. cor. on the S. bdy. of sec. 35, the true bearing of the standard is N. 89° 18' W.
40.00	N. 27¼ lks. from the tangent set temp. ¼ sec. cor.
61.06	The old ¼ sec. cor. on S. bdy. of sec. 36, which is S. 5.59 chs. from the random. From this cor. to the old cor. secs. 35 and 36, the true bearing of the standard is N. 89° 18' W.
80.00	N. 33 lks. from the tangent set temp. cor. of Tp. 25 N. Rs. 35 and 36 W.
	At this cor. on the tangent, I deflect 9' 17" to the North, from the tangent prolonged, and run through

6th Standard Parallel North, through Range 35 W.

Chains	
	Range 35 W.
	N. 89° 59' E. on the tangent S. of sec. 31
21.16	The old cor. of T. 25 N., Rs. 35 and 36 W. which is S. 6.05 chs. from the random. From this cor. to the old ¼ sec. cor. on the S. bdy. of sec. 36 - Range 36 W. the true bearing of the standard is N. 89° 16' W.
	May 13, 1895
	From a tack in stake driven 30 lks. S. of the cor. of Tp. 25 N., Rs. 35 and 36 W., I observe Polaris at Eastern elongation, at 3.50 local mean time on morning of May 14, in accordance with instructions in the manual, and mark the line thus determined by point in stake N. of my station
	At 7 A.M. I lay off the azimuth of Polaris 1° 41' to the W., and mark the true meridian thus determined by a tack in stake firmly driven 6.05 chs. N. of my station, at the intersection of my tangent
	To test the tangent run through Range 36, I take the angle of the tangent, and meridian, and find that the angle of meridian prolonged to the North, and the tangent to the West is 90° 00', so I conclude that I have made no error
	From the stake driven 30 lks. S. of Tp. cor. I turn an angle of 89° 59' from the meridian to the East, and run through R. 35 on the new tangent.
40.00	N. 27 lks. from the tangent, set temp. ¼ sec. cor. being 18.84 chs. from Tp. cor.
61.26	The old ¼ sec. cor. on S. bdy. of sec. 31, which is S. 4.1 lks. from the new ~~random~~. From this cor. to the old cor. of Tp. 25 N., Rs. 35 and 36 the true bearing of the standard is N. 89° 20' W.
80.00	N. 73 lks. from the tangent set temp. cor. of secs. 31 and 32
	East on the tangent S. of sec. 32
40.00	N. 18¼ lks. from the tangent, set temp. ¼ sec. cor.
80.00	N. 14 " " " " " " cor. of secs. 32 and 33

6th Standard Parallel North, through Ranges 34 and 35 W.

chains S.89°59'E. on the tangent, S. of sec. 33
40.00 N.11 lks. from the tangent, set temp. 1/4 sec. cor.
80.00 N.8 1/4 lks. " " " " " cor. of secs. 33 and 34

S.89°58'E. on the tangent S. of sec. 34
77.36 The old cor. of secs. 33 and 34 which is S.107 lks. from the random. From this cor. to the old 1/4 sec. cor. on S. bdy. of sec. 31 the true bearing of the standard is N.89°45' W.
40.00 N.6 lks. from the tangent, set temp. 1/4 sec. cor.
67.41 The old 1/4 cor. on S. bdy. on sec. 34 which is S.129 lks. from the random. From this cor. to the old cor. of secs. 33 and 34, the true bearing of the standard is N.89°38' W.
80.00 N.3 1/2 lks from the tangent set temp. cor. secs. 34 and 35

S.89°58' E. on the tangent, S. of sec. 35
77.41 The old cor. secs. 34 and 35, which is S. 133 lks. from the random From this cor. to the old 1/4 cor. on S. bdy. of sec. 34 the true bearing of the standard is N.89°53' W.
40.00 N.2 1/2 lks. from the tangent, set temp. 1/4 sec. cor.
67.53 The old 1/4 sec. cor. on S. bdy. of sec. 35 which is S. 211 lks. from the random. From this cor. to the old cor. of secs. 34 and 35 the true bearing of the standard is N.88°49' W.
80.00 N.1 lk. from the tangent, set temp. cor. secs. 35 and 36

S.89°57' E. on the tangent S. of sec. 36
77.46 The old cor. secs. 35 and 36, which is S. 168 lks. from the random. From this cor. to the old 1/4 sec. cor. on the S. bdy. of sec. 35, the true bearing of the standard is N.89°27' W.
40.00 N.1/4 lk. from the tangent, set temp. 1/4 sec. cor
80.00 N.0 " " " " " cor. of Tp. 75 N. Rs. 34 and 35 W.

May 14, 1895

Range 34 W.

S.89°56' E. on the tangent S. of sec. 31
40.00 N.1/4 lk. from the tangent, set temp. 1/4 sec. cor.
80.00 N.1 " " " " " cor. of secs. 31 and 32

6th Standard Parallel North, through Ranges 33 and 34

chains S.89°55' E. on the tangent, S. of sec. 32
40.00 N.2 1/2 lks. from the tangent, set temp. 1/4 sec. cor
80.00 N.3 1/2 " " " " " cor. secs. 32 and 33

S.89°54' E. on the tangent S. of sec. 33
77.38 The old cor. secs. 32 and 33, which is S. 157 lks. from the random. From this cor. the old cor. secs. 35 and 36 Range 35 W., bears N.89°44' W., 139.92 chs. dist
40.00 N.6 lks. from the tangent, set temp. 1/4 sec. cor.
67.43 The old 1/4 sec. cor. on S. bdy. of sec. 33 which is S. 2.73 chs. from the random. From this cor. to the old cor. of secs. 32 and 33, the true bearing of the standard is N.89°37 W.
80.00 N.8 1/4 lks. from the tangent, set temp. cor. secs. 33 and 34

S.89°54' E. on the tangent, S. of sec. 34
21.92 The old cor. of secs. 33 and 34, which is S. 3.00 chs. from the random. From this cor. to the old 1/4 sec. cor. on S. bdy. of sec. 33 the true bearing of the standard is N.89°33' W.
40.00 N.11 lks. from the tangent, set temp. 1/4 sec. cor.
80.00 N.14 " " " " " cor. of secs 34 and 35

S.89°53' E. on the tangent S. of sec. 35
40.00 N.18 1/4 lks. from the tangent, set temp. 1/4 sec. cor.
67.73 The old 1/4 sec. cor. on S. bdy. sec. 35, which is S. 4.01 chs. from the random. From this cor. to the old cor. of secs 33 and 34, the true bearing of the standard is N.89°27' W.
80.00 N.23 lks. from the tangent, set temp. cor. secs. 35 and 36

S.89°57' E. on the tangent S. of sec. 36
40.00 N.27 1/4 lks. from the tangent, set temp. 1/4 sec. cor.
80.00 N.33 " " " " " cor. of Tp. 75 N. Rs. 33 and 34.
At this cor. I deflect 9'17" to the North from the tangent prolonged, and run through

Range 33 W.

N.89°59' East on the tangent S. of sec 31
18.85 The old cor. of Tp. 75 N. Rs. 33 and 34 W., which is S. 4.95 chs. from the random. From this cor. to the old 1/4 sec. cor. on S. bdy of sec. 35, R. 34 W. the true

6th Standard Parallel North, through Range 33 W. continued

chains

bearing of the Standard is N. 89° 29' W.

At this point on the tangent I make an offset to a stake driven 30 lks. S. of the Tp. cor. by turning an angle of 90° 01' from the tangent prolonged, to the South, as the location of this point is such that a Polaris observation is not possible from it. I prolong the line to the South 19.37 chs. from the Tp. cor. where I establish a point for a Polaris observation by drawing tack in stake on the line described above and 19.37 chs. S. of Tp. cor.

May 15, 1895

At the point described above as being 19.37 chs. S. of the Tp. cor. I observe Polaris at Eastern Elongation at 3.48 local mean time on morning of May 16, in accordance with instructions in the manual, and mark the line thus determined by point in stake N. of my station

At 7 A.M. I lay off the azimuth of Polaris 1° 41' to the West, and I find that the line described falls 1 inch east of the point in the stake 30 lks. S. of the Tp. cor. and 19.07 chs. N. of the point of observation. So I conclude that my tangent through Range 34 W. is practically correct.

I establish a true meridian by drawing tack in the stake 30 lks. S. of the Tp. cor. The magnetic bearing of the true meridian at 7 A.M. is N. 17° 57' W. which reduced by the table on page 100 of the manual gives the mean mag. decl. 17° 53' E.

I make offset with the tangent to tack in stake 30 lks. S. of Tp. cor, where I set transit and direct telescope to the S. to the point of observation and turn an angle of 90° 01' from S. to the E. and run N. 89° 59' E. on the new tangent.

40.00 N. 27 lks. from the tangent set temp. 1/4 sec. cor. being N. 1.15 chs. from the Tp. cor.

59.75 The old 1/4 sec. cor. on S. bdy. of sec. 31 which is S. 37 lks. from the random. From this cor. to the old Tp. cor. the true bearing of the standard is N. 89° 24' W.

80.00 N. 73 lks. from the tangent set temp. cor of secs. 31 and 32

6th Standard Parallel North, through Range 33 W. continued

chains

East on the tangent S. of sec. 32

18.92 The old cor. of secs. 31 and 32, which is S. 74 lks from the random. From this cor. to the old 1/4 sec. cor. on S. bdy. of sec. 31, the true bearing of the standard is N. 89° 24' W.

40.00 N. 18 1/4 lks. from the tangent, set temp. 1/4 sec. cor.

58.64 The old 1/4 sec. cor. on S. bdy. of sec. 32, which is S. 1 1/2 lks from the random. From this cor. to the old cor. secs. 31 and 32 the true bearing of the standard is N. 89° 24' W.

80.00 N. 14 lks. from the tangent, set temp. cor. secs. 32 and 33

S. 89° 59' E. on the tangent S. of sec. 33

18.33 The old cor. secs. 32 and 33, which is S. 16 4 lks from the random. From this cor. to the old 1/4 sec. cor. on S. bdy. of sec. 32, the true bearing of the standard is N. 89° 12' W.

40.00 N. 11 lks from the tangent, set temp. 1/4 sec. cor.

58.15 The old 1/4 sec. cor. on S. bdy. of sec. 33 which is S. 20.5 lks. from the random. From this cor. to the old cor. secs. 32 and 33, the true bearing of the standard is N. 89° 20' W.

80.00 N. 8 1/4 lks. from the tangent, set temp. cor. secs. 33 and 34

S. 89° 58' E. on the tangent S. of sec. 34

40.00 N. 6 lks. from the tangent, set temp. 1/4 sec. cor.

80.00 N. 3 1/2 " " " " " cor. secs. 34 and 35

S. 89° 58' E. on the tangent S. of sec. 35

16.95 The old cor. of secs. 34 and 35, which is S. 33 lks. from the random. From this cor. to the old 1/4 cor. on S. bdy. of sec. 33, the true bearing of the standard is N. 89° 17' W.

40.00 N. 2 1/2 lks. from the tangent, set temp. 1/4 sec. cor.

56.07 The old 1/4 sec. cor. on S. bdy. of sec. 35, which is S. 37.8 lks. from the random. From this cor. to the old cor. secs. 34 and 35 the true bearing of the standard is N. 89° 22' W.

80.00 N. 1 lk. from the tangent, set temp. cor. secs. 35 and 36

S. 89° 57' E. on the tangent S. of sec. 36

40.00 N. 1/4 lk. from the tangent, set temp. 1/4 sec. cor.

80.00 N. 0 lks. " " " " " cor. of Tp. 75 N. Rs. 34 and 33 W.

6th Standard Parallel North through Ranges 32 and 33 W.

chains

I prolong the tangent, and at

94.25 The old cor. of Tp. 25 N. R. 32 and 33 W. which is S. 4.65 chs. from the random. From this cor. to the old 1/4 sec. cor. on S. bdy. sec. 35 R. 33 W. the true bearing of the standard is N. 89° 55' W.

Range 32 W.

As I reach the cor. of Tp. 25 N. Rs. 32 and 33 W. at 3 p. m. making a Polaris observation impossible at this cor. without a loss of time, I deflect 2' to the north from the tangent, run through range 33 prolonged and run

S. 89° 58' E. on the tangent S. of sec. 31

39.52 The old 1/4 sec. cor. on S. bdy. of sec. 31 which is S. 5.07 chs. from the random. From this cor. to the old Tp. cor. of T. 25 N. R. 32 and 33 W. the true bearing of the standard is N. 89° 39' W.

40.00 N. 1/2 lk. from the tangent, set temp. 1/4 sec. cor.

80.00 N. 1 " " " " " " cor. secs. 31 and 32

S. 89° 57' E. on the tangent S. of sec. 32

37.02 The old closing cor. of Tp. 24 N. Rs. 32 and 33 W. which is S. 5.59 chs. from the random. From this cor. to the old 1/4 sec. cor. on S. bdy. of sec. 31, the true bearing of the standard is N. 89° 33' W.

At 9.45 local mean time, being 13 1/4 minutes after the star Delta Cassiopiae, was in the plane of Polaris, I observe Polaris at lower culmination on the meridian, in accordance with instructions in the manual, from a tack in the post which I set in the old closing corner of T. 24 N. Rs. 32 and 33 W, and mark the true meridian thus determined by a tack in stake driven in ground 2.51 1/4 chs. N. of the cor.

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From a point on the meridian established May 16, and 2 1/2 lks. S of the closing cor. I turn an

6th Standard Parallel North, through Range 32 W., Continued.

chains.

An angle of 90° 03' from N. to the E., and run S. 89° 57' E. on a new tangent, being an offset of 559 ch. from the tangent, run from the Cor. of Tp. 25 N., Rs. 32 and 33 W.

38.60 The old 1/4 Sec. Cor. on S. bdy. of Sec. 32, on the random. From this Cor. to the closing Cor., the true bearing of the Standard is N. 89° 58' W., and the distance to the Closing Cor. is 1.58 chs

40.00 N. 2 1/2 lks. from the tangent, set temp. 1/4 Sec Cor

78.03 The old Cor. of Secs. 32 and 33, which is S. 37 lks. from the random. From this Cor. to the old 1/4 Sec. Cor. on the S. bdy of Sec. 32 the true bearing of the Standard is N. 89° 26' W

80.00 N. 3 1/2 lks. from the tangent, set temp. Cor. of Secs. 32 and 33.

S. 89° 56' E. on the tangent S. of Sec. 33.

38.09 The old 1/4 Sec. Cor. on the S. bdy. of Sec. 33, which is S. 50 lks. from the random. From this Cor. to the old Cor. of Secs. 32 and 33, the true bearing of the Standard is N. 89° 47' W.

40.00 N. 6 lks. from the tangent, set temp. 1/4 Sec. Cor.

77.81 The old Cor. of Secs. 33 and 34, which is S. 78 lks. from the random. From this Cor. to the old 1/4 Sec. Cor. on the S. bdy. of Sec. 33, the true bearing of the Standard is N. 89° 34' W.

80.00 N. 8 1/4 lks. from the tangent, set temp. Cor. of Secs. 33 and 34.

S. 89° 56' E. on the tangent, S. of Sec. 34.

37.62 The old 1/4 Sec. Cor. on the S. bdy. of Sec. 34, which is S. 121 lks. from the random. From this Cor. to the old Cor. of Secs. 33 and 34, the true bearing of the Standard is N. 89° 21' W

40.00 N. 11 lks. from the tangent, set temp. 1/4 Sec. Cor.

80.00 N. 14 " " " " " " Cor. of Secs. 34 and 35.

S. 89° 55' E. on the tangent S. of Sec. 35.

37.52 The old 1/4 Sec. Cor. on S. bdy. of Sec. 35. which is S. 175 lks. from the random. From this Cor. to the old 1/4 Sec. Cor. on the S. bdy. of Sec. 34, the true bearing of the Standard is N. 89° 34' W.

40.00 N. 18 1/4 lks. from the tangent, set temp. 1/4 Sec. Cor.

77.45 The old Cor. of Secs. 35 and 36, which is S. 21 1/4 lks. from the random. From this Cor. to the old 1/4 Sec. Cor. on the S. bdy. of Sec. 35, the true bearing of the Standard is N. 89° 24' W.

80.00 N. 33 lks. from the tangent, set temp. Cor. of Secs. 35 and 36

May 21, 1895.

Chains

S. 89°54' E. on the tangent, S. of Sec. 36.

37.33 The old 1/4 Sec. Cor. on S. bdy. of Sec. 36, which is S. 2.43 chs. from the random. From this Cor. to the old Cor. of Secs. 35 and 36, the true bearing of the Standard is N. 89°33' W.

40.00 N. 27 1/4 lks. from the tangent, Alt temp. 1/4 Sec. Cor.

77.43 The old Cor. of Tp. 25 N., Rs. 31 and 32 W., which is S. 2.75 chs. from the random. From this Cor., to the old 1/4 Sec. Cor., on S. bdy. of Sec. 36, the true bearing of the Standard is N. 89°30' W.

80.00 N. 33 lks. from the tangent, Alt temp. Cor. of Tp. 25 N., Rs. 31 and 32 W.

At this Cor., I deflect 9'24" to the North, from the tangent prolonged, and run through

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Range 31 W.

N. 89°57' E. on the tangent, S. of Sec. 31.

37.48 The old 1/4 Sec. Cor., on S. bdy of Sec. 31, which is S. 3.49 ch. from the random. From this Cor., to the old Cor. of Tp. 25 N., Rs. 31 and 32 W., the true bearing of the Standard is N. 88°55' W.

40.00 N. 27 1/4 lks. from the tangent, Alt temp. 1/4 Sec. Cor.

77.52 The old Cor. of Secs. 31 and 32, which is S. 3.11 chs. from the random. From this Cor. to the old 1/4 Sec. Cor. on the S. bdy. of Sec. 31, the true bearing of the Standard is S. 89°29' W.

80.00 N. 23 lks. from the tangent, Alt temp. Cor. of Secs. 31 and 32

N. 89°58' E. on the tangent, S. of Sec. 32.

37.52 The old 1/4 Sec. Cor. on S. bdy. of Sec. 32, which is S. 3.62 chs. from the random. From this Cor., to the old Cor. of Secs. 31 and 32, the true bearing of the Standard is N. 89°14' W.

40.00 N. 16 1/4 lks. from the tangent, Alt temp. 1/4 Sec. Cor.

77.64 The old Cor. of Secs. 32 and 33, which is S. 4.10 chs. from the random. From this Cor. to the old 1/4 Sec. Cor. on S. bdy of Sec. 32, the true bearing of the Standard is N. 89°17' W.

80.00 N. 14 lks. from the tangent, Alt temp. Cor. of Secs. 32 and 33.

N. 89°39' E. on the tangent, S. of Sec. 33.

37.68 The old 1/4 Sec. Cor. on the S. bdy. of Sec. 33. which is S. 4.31 chs. from the random. From this Cor., to the old Cor. of Secs. 32 and 33, the true bearing of the Standard is N. 89°40' W.

Chains

40.00 N. 11 lks. from the tangent, Alt temp. 1/4 Sec. Cor.

77.81 The old cor. of Secs. 33 and 34 which is S. 4.64 chs. from the random. From this cor. to the old 1/4 cor. on S. bdy of Sec. 33 the true bearing of the standard is N. 89°30' W.

80.00 N. 8 1/4 lks. from the tangent, Alt temp. cor. of Secs. 33 and 34

East on the tangent S. of Sec. 34

37.98 The old 1/4 Cor. on the S. bdy. of Sec. 34, which is S. 4.69 chs. from the random. From this cor. to the old cor. of Secs. 33 and 34, the true bearing of the standard is N. 89.54' W.

40.00 N. 6 lks. from the tangent, Alt temp. 1/4 Sec. cor.

80.00 N. 3 1/2 " " " " " cor. of Secs. 34 and 35

East on the tangent, S. of Sec. 35

40.00 N. 2 1/2 lks. from the tangent, Alt temp. 1/4 Sec. cor.

78.31 The old cor. of Secs. 35 and 36, which is S. 5.46 chs. from the random. From this cor. to the old 1/4 cor on S. bdy. of Sec. 34, the true bearing of the standard is N. 89°36' W.

80.00 N. 1 lk. from the tangent, Alt temp. cor. of Secs. 35 and 36

S. 89°59' East on the tangent S. of Sec. 36

40.00 N. 1/4 lk. from the tangent, Alt temp. 1/4 Sec. cor.

78.09 The old cor. of Tp. 25 N. Rs. 30 and 31 W. which is S. 6.65 chs. from the random. From this cor. to the old cor. of Secs. 35 and 36 the true bearing of the standard is N. 89°07' W.

80.00 N. 0 lks. from the tangent, Alt temp. cor. of T. 25 N. R. 30 and 31 W.

Thence I run through

Range 30 W.

S. 89°58' E. on the tangent S. of Sec. 31

38.19 The old 1/4 Sec. cor. on S. bdy. Sec. 31, which is S. 7.05 chs. from the random. From this cor. to the old cor. of Tp. 25 N. R. 30 and 31 W. the true bearing of the Standard is N. 89°24' W.

40.00 N. 14 lks. from the tangent, Alt temp. 1/4 Sec. cor.

78.24 The old cor. of Secs. 31 and 32 which is S. 7.36 chs. from the random. From this cor. to the

Chains

old 1/4 sec. cor. on S. bdy. sec. 31, the true bearing of the standard is N. 89° 31' W.

80.00 N. 1 lk from the tangent, set temp. cor of secs. 31 and 32

S. 89° 57' E. on the tangent S. of sec. 32

38.21 The old 1/4 cor. on S. bdy. of sec. 32 which is S. 7.92 chs. from the random. From this cor. to the old cor. of secs. 31 and 32 the true bearing of the standard is N. 89° 10' W.

The True Line R. 30 W.

As the old cor. of secs. 31 and 32, can be seen from a point about midway between the old 1/4 cor. on the S. bdy. of sec. 32 and the sec. cor, to properly start my line Westward, I set my instrument exactly on a line with these two old corners, with my Verniers set to read N. 89° 10' W.

From the old 1/4 cor. on the S. bdy. of sec. 32 which is a mound, with plain pits E. and N. I run

N. 89° 10' W. on S. bdy. of sec. 32

Ascend slightly over rolling ground

10.00 Top of ascent 20 ft. above cor, descend slightly,

13.00 Trail to Seneca, course N. and S. at bottom descent in neck of Valley

24.00 A point 24 lks. S. of the old closing cor. mound with pits, of T. 24 N, Rs. 30 and 31 W. where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for closing cor. T. 24 N. Rs. 30 and 31 W. marked

C.C. T. 24 N. on S.

R. 30 W, S. 6 on E. and

R. 31 W., S 1 on W. faces with 6 grooves on S. E. and W. faces, dug pits 30x24x12 ins. crosswise on each line E. and W. 4 ft. and S. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2½ ft. high S. of cor.

I obliterate the old closing cor., which is N. 24 lks. dist.

Ascend over rolling ground along S. E. slope

39.97 The original cor. of secs. 31 and 32, mound, pits and cedar stake in mound, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 31 and 32 marked

C.C. T. 25 N, R. 30 W. on N.

Chains

S. 32 on E. and

S. 31 on W. faces with 5 grooves on E. and 1 groove on W. faces. dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.

Land Rolling

Soil, Sandy 3rd rate

No timber. Sand grass

As this cor. is S. 7.36 chs. from the random and the old 1/4 cor. on S. bdy. of sec. 31 is S. 7.05 chs. from the random therefore the course of the corrected parallel is N. 89° 31' W. from this cor. consequently, I run

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N. 89° 31' W. on S. bdy. of sec. 31

Ascend slightly along N. E. slope

9.00 Top of ascent 75 ft. above valley, on N. face hills

19.00 Begin gradual descent along N. slope

35.00 Trail, course N. and S. thence over rolling ground

40.05 The old 1/4 sec. cor. on S. bdy. of sec. 31, mound, pits, and cedar stake in mound where I deposit a charred stake 12 ins. in the ground, with the old stake, for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit

In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked

S. C. 1/4 S. on W. face

This cor. is S. 7.05 chs. from the random and the old Standard cor. of T. 25 N. Rs. 30 and 31 W. is S. 6.65 chs. from the random, therefore the course of the corrected parallel is N. 89° 24' W. from this old 1/4 cor. consequently I run

N. 89° 24' W. on S. bdy. of sec. 31

Over rolling ground

60.00 Trail, course S. 40° E., N. 40 W. ascend gradually over rolling ground

63.68 The old closing cor. Secs. 1 and 12, T. 24 N, R. 31 W. mound, pits, with cedar Post in mound, S. 21 lks.

75.00 Top of ascent 50 ft. above Valley, thence along N. slope range over rolling ground

Chains
80.15 The old cor. of T. 25 N. Rs. 30 and 31 W., mound and pits with cedar stake in mound, where I set an Oak Post 3 ft. long, 4 ins. sq. with charred stake, and the old stake 24 ins. in the ground for Standard cor. of Tp. 25 N. Rs. 30 and 31 W., marked
S.C. T. 25 N. on N.
R. 30 W. S. 31 on E. and
R. 31 W., S. 36 on W. faces, with 6 grooves on N., E., and W. faces, dug pits 30x24x12 ins. crosswise on each line E. and W. 4 ft. and N. of Post 8 ft. dist. and raised a mound of earth 5 ft. base, 2½ ft. high N. of cor.
Sand rolling
Soil, sandy, 3rd rate
No timber, sand and bunch grass
May 13, 1895

True line R. 31 W.

6th Standard Parallel North, through Range 31 W.

Chains
As the cor. of T. 25 N. Rs. 30 and 31 W. is S. 66 chs. from the random, and the old cor. of secs. 35 and 36 R. 31 W. is S. 5.46 chs. from the therefore the course of the corrected parallel is N. 89° 07' W. and the Northing 59½ lks. per half mile
The distance to the cor. of secs. 35 and 36 is 79.78 chs. from the Township cor. consequently I run
N. 89° 07' W. on S. bdy. of sec. 36
Descend gently along N. slope range
34.00 Begin gentle ascent along N. E. slope
39.89 Deposit a charred stake 12 ins. in the ground for standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. 1/4 S. on N. face
48.00 Top of ascent 75 ft. above Valley thence descend slightly over broken ground
79.00 Bottom, descent in ravine or pass, neck of Valley
Course N. and S. ascend
79.78 The old cor. of secs. 35 and 36, mound and pits with cedar stake in mound, where I set an Oak Post 3 ft. long 4 ins. sq. with charred stake, and the old stake

Chains
24 ins. in the ground, for standard cor. of secs. 35 and 36 marked
S.C. T. 25 N., R. 31 W. on N.
S. 36 on E. and
S. 35 on W. faces, with 1 groove on E. and 5 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Sand, broken and rolling
Soil, sandy 3rd rate
Sand and bunch grass. No timber
As this cor. is S. 5.46 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 34 is S. 4.69 chs. therefore the course of the corrected parallel is N. 89° 36' W. and the distance to the old 1/4 cor. on S. bdy. of sec. 34 is 120.33 chs. and the Northings is 26 lks. per half mile from the sec. cor. consequently I run

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N. 89 36' W. on S. bdy. of sec. 35
Descend over rolling ground
4.00 Trail course N. 20° E., S. 20° W. ascend over broken ground along S. face low range
40.00 ~~Top of ascent on low ridge course N. and S.~~
40.11 Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on N. face
Descend slightly over broken ground, low foot hills between ranges
80.22 Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 34 and 35 marked
S.C. T. 25 N., R. 31 W. on N.
S. 35 on E. and
S. 34 on W. faces with 2 grooves on E. and 4 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high

6th Standard Parallel North, through Range 31 W. continued

Chains	
	N. of cor.
	Land, Rolling and Broken
	Soil, Sandy 3rd rate
	Sand and Bunch grass. No timber
	N.89°36' W. on S. bdy. of sec. 34
	Descend slightly
6.50	Trail course N. and S. at bottom descent, thence
	over rolling ground
20.00	Begin ascent along N.E. slope of range
40.11	The old 1/4 sec. cor. on S. bdy. of sec. 34, mound and pits, where
	I deposit a charred stake 12 ins. in the ground for
	Standard 1/4 sec. cor., dug pits 18x18x17 ins. E. and W.
	of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft.
	base 1 1/2 ft. high over deposit.
	In E. pit drove an Oak stake 2 ft. long 2 ins. sq.
	12 ins. in the ground, marked
	S.6. 1/4 S. on N. face
	This cor. is S. 4.69 chs. from the random and the
	old cor. of secs. 33 and 34 is S. 4.64 chs. from the random,
	Therefore the course of the corrected parallel is N.89°54' W.
	from this 1/4 sec. cor., Consequently I run
	N.89°54' W. on S. bdy. of sec. 34
	Ascend, along N.E. face range
43.00	Top of ascent 100 ft. above Valley on N. face range, thence
	over broken ground
50.00	Begin descent over broken ground along W. slope
80.08	The old cor. of secs. 33 and 34, mound and pits, with cedar
	stake in mound, where I set an Oak Post 3 ft. long 4 ins. sq.
	with a charred stake 24 ins. in the ground for Standard
	Cor. of secs. 33 and 34, marked
	S.6. T. 25 N., R. 31 W. on N.
	S. 34 on E. and
	S. 33 on W. faces with 3 grooves on E. and W. faces, dug
	pits 24x18x17 ins. crosswise on each line E. and W. 3 ft.
	and N. of post 7 ft. dist. and raised a mound of earth
	4 ft. base 2 ft. high N. of cor.
	Land, rolling and broken
	Soil, sandy 3rd rate
	No timber, Bunch and Sand grass

6th Standard Parallel North, through Range 31 W. continued

Chains	
	As the old cor. of secs. 33 and 34 is S. 4.64 chs. from
	the random, and the old 1/4 sec. cor. on S. bdy. of sec. 33
	is S. 4.31 chs. from the random, through the course
	of the corrected parallel is N.89°30' W.
	from this old sec. cor., consequently I run
	N.89°30' W. on S. bdy. of sec. 33
	Descend along W. W. slope
10.00	Bottom descent thence over broken foot hills
39.95	The old 1/4 sec. cor on S. bdy of sec 33, mound and pits
	where I deposit a charred stake 12 ins. in the ground
	for Standard 1/4 sec. cor. dug pits 18x18x17 ins. E. and W.
	of cor. 4 ft. dist. and raised a mound of earth
	3 1/2 ft. base 1 1/2 ft. high over deposit
	In E. pit drove an Oak stake 2 ft. long 2 ins sq.
	12 ins. in the ground, marked
	S.6. 1/4 S. on N. face
	This cor. is S. 4.31 chs. from the random and the
	old cor. of secs. 32 and 33 is S. 4.10 chs. from the random
	therefore the course of the corrected parallel is N.89°40' W.
	from this old 1/4 cor. Consequently I run
	N.89°40' W. on S. bdy of sec. 33
	Enter level ground N. and S.
50.00	Trail S.40° E., N.40° W.
80.17	The old cor. of secs. 32 and 33, mound and pits where I set
	an Oak Post 3 ft. long 4 ins. sq. with charred stake
	24 ins. in the ground for Standard cor. of secs. 32 and 33
	marked,
	S.6. T. 25 N., R. 31 W. on N.
	S. 33 on E. and
	S. 32 on W. faces, with 4 grooves on E. and 2 grooves on W.
	faces. dug pits 24x18x17 ins. crosswise on each line E. and
	W. 3 ft. and N. of post 7 ft. dist. and raised a mound
	of earth 4 ft. base 2 ft. high N. of cor.
	This cor. is at the S.W. cor. of an abandoned plowed
	field.
	Land, rolling and broken
	Soil sandy 3rd rate
	No timber. Sand and Bunch grass

6th Standard Parallel North through R. 31 W. continued

chains

The cor. of secs. 32 and 33, is S. 4.10 chs. from the random and the old 1/4 cor. on S. bdy. of sec. 32 is S. 3.62 chs. from the random, therefore the course of the corrected parallel is N. 89° 17' W.
From the cor. of secs. 32 and 33, consequently I run

N. 89° 17' W. on S. bdy. of sec. 32
along N. slope, range over rolling ground
40.12 The old 1/4 sec. cor. on S. bdy. of sec. 32, mound and pits, where I deposit a charred stake 12 ins. in ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit
In E. pit I drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S on N. face
As this cor. is S. 3.62 chs. from the random, and the old cor. of secs. 31 and 32 is S. 3.11 chs. from the random therefore the course of the corrected parallel is N. 89° 14' W.
from this 1/4 cor. consequently I run

N. 89° 14' W. on S. bdy. of sec. 32
43.00 Ascend along N. E. slope over low range
62.00 Top of ascent on ridge, course N. and S. 50 ft. above cor
Thence along N. slope of range over ridges
80.12 The old cor. of secs. 31 and 32, mound and pits where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 2 ins in the ground for Standard cor. of secs 31 and 32 marked
S.C. T 25 N., R. 31 W on N.
S. 32 on E., and
S. 31 on N. faces, with grooves on E. and 1 groove on N. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, rolling and broken
Soil, sandy 3rd rate
No Timber. Sand and Bunch grass
This cor. is S. 3.11 chs. from the random, and the old 1/4 sec. cor. on bdy. of sec. 31 is S. 3.49 chs. from the random, therefore the course of the corrected parallel is S. 89° 29' W.
from the cor. of secs. 31 and 32 consequently I run

6th Standard Parallel North, through Range 31 W. concluded

chains

S. 89° 29' W. on S. bdy. of sec. 31
Over rolling ground along N. slope range
40.04 The old 1/4 sec. cor. on S. bdy. of sec. 31 mound pits and cedar stake, where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
In E. pit I drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. 1/4 S. on N. face
This cor. is S. 3.49 chs. from the random, and the old cor of Tp. 25 N. Rs. 31 and 32 W. is S. 2.75 chs from random therefore the course of corrected parallel is N. 88° 55' W. from this 1/4 sec. cor. consequently I run

N. 88° 55' W. on S. bdy. of sec. 31
Descend slightly along N. slope of range over rolling ground.
80.09 The old cor of Tp. 25 N. R. 31 and 32 W. mound and pits where set an Oak post 3 ft. long 4 ins sq. with charred stake, 24 ins. in the ground for Standard cor. Tp. 25 N. Rs. 31 and 32 W. marked
S.C. T. 25 N. on N.
R 31 W., S 31 on E. and
R. 32 W., S 36 on W faces with 6 grooves on W. E. and W. faces dug pits 30x24x12 ins. crosswise on each line E. and W. 4 ft. and N. of post 8 ft dist. and raised a mound of earth 5 ft. base 2½ ft. high N. of cor.
Land, rolling
Soil, sandy 3rd rate
No Timber. Sand grass
At this cor. I turn an angle of 88° 55' from my line ~~produced~~ prolonged to the North and find that the magnetic bearing of the true meridian thus determined N. 13° 10' W., at 4 p.m. which reduced by the table on page 100 of the manual for 4 p.m. gives the mean magnetic declination of 13° 13' E.

6th Standard Parallel North, through R. 32 W.

Chains

as the cor of Tp. 25 N. Rs. 31 and 32 W. is S. 2.75 chs from the random, and the old 1/4 cor. on S. bdy of sec. 36 is S. 2.43 chs from the random, therefore the course of the corrected parallel is N. 89° 30' W.
from the G. p. cor. consequently I run

N. 89° 30' W. on S. bdy of sec. 36
Ascend along N.E. slope over foot hills
6.00 Top of ascent 40 above cor. descend gently over rolling ground
40.10 The old 1/4 sec. cor. on S. bdy sec. 36 mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and N. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft base 1 1/2 ft high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on N. face
This cor. is S. 2.43 chs. from the random and the old cor. of secs. 35 and 36 is S. 2.14 chs. from the random therefore the course of the corrected parallel is N. 89° 33' W. from this 1/4 sec. cor., consequently I run

N. 89° 33' W. on S. bdy of sec. 36
Over nearly level ground
50.00 Foot of range, course N.E. and S.W. ascend
61.00 Top of ascent 75 ft. above Valley, descend gently along S.W. slope over rolling ground
70.00 Bottom descent, hence over rolling foot hills
79.98 The old cor. of secs. 35 and 36, mound and pits where I set an Oak post 3 ft. 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs 35 and 36 marked
S.C. T. 25 N. R. 32 W. on N.
S. 36 on E., and
S. 35 on W. with 1 groove on E. and 5 grooves on W. faces dug pits 24x18x12 ins, crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, level and rolling
Soil, sandy 3rd rate
No Timber. Sand and Bunch grass
This cor. is S. 2.14 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec 32. is S. 1.75 chs. from the random

6th Standard Parallel North, through R. 32 W. continued

Chains

therefore the course of the corrected parallel is N. 89° 24' W. from the cor. of secs. 35 and 36, consequently I run

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N. 89° 24' W. on S. bdy. of sec. 35
Descend over broken ground gently
10.00 Ravine or pass, course N.W. and S.E. ascend over rolling ground
19.00 Top of ascent 30 ft. above, on low ridge S.E. and N.W.
Descend slightly along N.W. slope
39.93 The old 1/4 sec. cor. on S. bdy of sec. 35, mound and pits with cedar stake in mound, where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins, E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. 1/4 S. on N. face
This cor. is S. 1.75 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 34 is S. 1.21 chs. from the random, therefore the course of the corrected parallel is N. 89° 34' W. and the dist. to the old 1/4 cor. is 79.91 chs. and the Northing 27 lks. per 1/2 mile from this 1/4 sec. cor. consequently I run

N. 89° 34' W. on S. bdy. sec. 35
49.00 Bottom descent in ravine or pass course N. and S. Ascend over rolling ground along E. slope bluff
79.88 1/2 Set an Oak post 3 ft long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 34 and 35 marked
S.C. T. 25 N. R. 32 W. on N.
S. 35 on E. and
S. 34 on W. faces with 2 grooves on E. and 4 grooves on W. faces. dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, broken and rolling sand hills
Soil, sandy 3rd rate
No Timber. Sand and Bunch grass

Chains N. 89°34' W. on S. bdy of sec. 34
Ascend along E. slope
4.00 Top of ascent 75 above Valley on Sand bluff descend over broken ground slightly
30.00 Begin descent, from knob, over rolling ground
31.50 Trail in ravine or pass course S.E. and N.W.
34.00 Low ridge, course S.E. and N.W. descend over rolling ground
39.95 W The old 1/4 Sec. on S. bdy. of sec. 34, mound and pits, where I deposit a charred stake 12 ins. in the ground for Standard 1/4 Sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit.
On E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on N. face
This cor. is S. 1.21 chs. from the random, and the old cor. of secs. 33 and 34 is S. 78 lks. from the random, therefore the true course of the corrected parallel is N. 89°21' W. from this 1/4 sec. cor. consequently I run

N. 89°21' W. on S. bdy. of sec. 34
Descend over rolling ground
44.00 Bottom descend in ravine, course N. and S. ascend over ridge, and low bluffs
49.00 Top of ascent 50 ft. above ravine, on Range, course N. and S. descend gradually over rolling ground along N. slope
69.30 Trail to Mullen, course N. and S.
75.00 Trail course N.W. and S.E. ascend over rolling ground
79.76 W The old cor. of secs. 33 and 34, mound and pits, with cedar stake in mound, where I set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 33 and 34, marked
S.6.T. 25 N., R. 37 W. on N.
S. 34 on E. and
S. 33 on W. faces, with 3 grooves on E. and W. faces
dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high N. of cor.
Land, rolling and broken
Soil, sandy 3rd rate
No timber, Sand and Bunch grass

Chains The cor. of secs. 33 and 34 is S. 78 lks from the random and the old 1/4 sec. cor. on S. bdy. of sec. 33 is S. 50 lks from the random, therefore the course of the corrected parallel is N. 89°34' W.
From the cor. of secs. 33 and 34, consequently I run

N. 89°34' W. on S. bdy of sec. 33
Ascend slightly, over rolling ground
13.00 Top of ascent 30 ft. above cor. descend over rolling ground gently
39.72 W The old 1/4 sec. cor. on S. bdy. of sec. 33 mound and pits where I deposit a charred stake 12 ins. in the ground for standard 1/4 sec. cor. dug pits 18x18x12 ins. E and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft base, 1 1/2 ft. high over deposit
On E pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins in the ground marked
S.C. 1/4 S. on N. face
This cor. is S. 50 lks from the random and the old cor. of secs 33 and 33 is S. 37 lks. from the random therefore the course of the corrected parallel is N. 89°47' W. from this 1/4 sec. cor. consequently I run

N. 89°47' W. on S. bdy of sec. 33
Ascend slightly over rolling ground
44.00 Slight ridge over rolling ground
Trail to Mullen course S. 10° E., N. 10° W.
56.00 Descend slightly over rolling ground
79.78 The old cor. of secs. 32 and 33, mound, pits, and cedar stake in mound where I set an Oak post 3 ft. long 4 ins. sq. with charred stake and the old cedar stake 24 ins. in the ground for standard cor. of secs. 32 and 33 marked
S.C. T. 25 N. R. 37 W. on N.
S. 33 on E. and
S. 32 on W. faces, with 4 grooves on E. and 2 grooves on W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high N. of cor.
Land rolling
Soil sandy 3rd rate

6th Standard Parallel North, through Range 37 W. continued

chains

No timber, sand and much grass
This cor. is S. 37 lks. from the random, and the old 1/4 sec. cor. on S. bdy. of sec. 37 is on the random therefore the course of the corrected parallel is N. 89°26' W. from the cor. of secs. 37 and 33, consequently I run

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N. 89°26' W. on S. bdy. of sec. 37
Ascend gently over rolling ground
18.00 Top of ascent on river bluff 100 ft. above valley, descend very abruptly along S.W. slope, canon
37.00 Bottom canon 100 ft. deep, course S. 10° E. ascend very abruptly along S.E. slope
39.43 The old 1/4 sec. cor. on S. bdy. of sec. 37 mound and pits with stake in mound where I deposit a charred stake with the old stake 12 ins. in the ground for standard 1/4 sec. cor. dug pits 18x18x12 ins. E and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. 1/4 S. on N. face
This cor. is on the random, and the closing cor. of Tp. 24 N. Rs. 37 and 33 W. is on the random, therefore the course of the corrected parallel is N. 89°58' W. from this 1/4 sec cor. consequently I run

N. 89°58' W. on S. bdy of sec. 37
Ascend very abruptly along S.E. face of canon
41.01 The closing cor. of Tp. 24 N. Rs. 37 and 33 W. as this cor. is S. 5.59 chs. from the random, which was run from the standard cor. of Tp. 25 N. Rs. 37 and 33 to this cor. and the old 1/4 sec. cor. on S. bdy. of sec. 31 which is S. 5.07 chs. from the random, therefore the course of the corrected parallel is N. 89°33' W. and the distance to the 1/4 cor. on S. bdy. of sec. 31 is 77.50 chs. therefore the distance to the cor. of secs. 31 and 37 should be 37.96 and the northing 26 lks. per half mile. From this cor. consequently I run

N. 89°33' W. on S. bdy. of sec. 37
Ascend along E. face of bluff

6th Standard Parallel North, through Range 37 W. Continued

chains

43.50 Top of ascent 50 ft. above cor. on bluff 175 ft. above river on S. face bluff - descend abruptly along S.W. slope
48.00 Bottom descent in canon 75 ft. deep, course N.W. and S.E.
54.00 Begin abrupt ascent along S.E. face
63.00 Top of ascent 150 ft. above river on S. face bluff descend gradually along S.W. slope
78.00 Bottom descent in ravine or gulch 100 ft. deep
78.97 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for standard cor. of secs. 31 and 37 marked
S.C. T. 25 N., R. 37 W. on N.
S. 37 on E. and
S. 31 on W. faces, with 5 grooves on E. and 1 groove on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base, 2 ft. high N. of cor.
Sand very broken
Soil, sandy 3rd rate
Timber, scattering cedar on face of canon. Bunch and sand grass

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N. 89°33' W. on S. bdy. sec. 31
Ascend along E. face of canon
10.00 Top of ascent on bluff 150 ft. above river, descend gradually along S.W. slope
15.00 Bottom descent, at head of canon
29.00 W. edge canon, course N. and S. ascend gradually along E. face of canon
39.54 The old 1/4 sec. cor. on S. bdy. of sec. 31, mound and pits where I deposit a charred stake 12 ins. in the ground for standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. 1/4 S. on N. face
This cor. is S. 5.07 chs. from the random and the old cor. of Tp. 25 N., Rs. 37 and 33 W. is S. 4.85 chs. from the random; therefore the course of the corrected parallel is N. 89°39' W.
from this sec. cor. consequently I run

6th Standard Parallel North, through Range 32 W. concluded

chains

N. 89° 39' W. on S. bdy. of sec. 31

Ascend gradually

45.00 Top of ascent 40 ft. above cor. on bluff of river descend abruptly

49.00 Bottom descent in S. edge river bottom; over level land

60.00 Foot of bluffs N. 70° E., S. 70° W., ascend abruptly.

65.00 Top of ascent 100 ft. above Valley, ascend along S.E. face Bluff, over ridges and ravines

As the old Tp. cor. is located on N. face of sand bluff where I deem it unsafe to build a new cor. so at

77.06 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Witness cor. to Standard cor. of Tps. 25 N. Rs. 32 and 33 W. marked

N.C.S.C. T. 25 N. on N.

R. 32 W. on E. and

R. 33 W. on W. faces, with 6 grooves on N.E. and W. faces dug pits 30 x 24 x 12 ins. crosswise on each line E. and W. 4 ft. and 8 ft. dist. N. of post, and raised a mound of earth 5 ft. base 2½ ft. high N. of cor.

78.00 Top of sand bluff 100 ft. above river, descend very abruptly over broken ground

79.06 The old cor. of Tp. 25 N. Rs. 32 and 33 W. flat mound with indistinct pits, with stake in mound, without marks.

Land very broken

Soil, sandy 3rd rate

Timber, scattering cedar in canons, brush and sand grass

Struck an angle of 89° 39' to the N. from my line prolonged, and find that the magnetic bearing of the true meridian thus determined is N. 13° 10' W. at 9 o'clock A.M. which reduced by the table on page 100 of the ~~manual~~ gives the mean magnetic declination of 13° 05' E.

This cor. is S. 4.85 chs. from the random and the old ¼ sec. cor. on S. bdy. sec. 35 is S. 3.87 chs. from the random, therefore the bearing of the corrected parallel is N. 89° 25' W. The distance to the S. ¼ cor. sec. 35 is 118.73 chs. and the northing 33 lks. per half mile.

From this cor. of Tp. 25 N., R. 33 W. (from Sec. Line) Rs. 32 and 33 W. consequently I run

6th Standard Parallel North, through Range 33 W.

chains

N. 89° 25' W. on S. bdy. of Sec. 36

Descend abruptly

3.00 Bottom descent thence over river bottom

3.75 E. edge Soup River flows S. 10° E.

4.15 W. edge Soup River flows S. 10° E.

5.90 S. edge Soup River flows N. 70° E.

7.00 N. edge Soup River flows N. 70° E.

8.10 S. edge Soup River flows S. 80° E.

11.50 E. edge Soup River flows N.E.

12.50 W. edge Soup River flows N. 30° E.

25.00 Enter undergrowth of plum and willows

32.00 Begin ascent along S.E. slope, leave underbrush As the point for ¼ cor. falls in canyon where I deem it unsafe to build a corner, so at

38.00 Deposit a charred stake and a marked soap stone 12 ins. in the ground for Witness cor. to Standard ¼ Sec. cor. dug pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit.

In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

W.C.S.C. ¼ S. on W. face

Descend

39.41 Bottom Gulch 20 deep course S. ascend along S.E. face bluffs. Point for ¼ Sec. Cor. — make no deposit.

49.50 Top of ascent 100 ft above river on S. face bluff, descend very abruptly along S.W. slope

54.80 Bottom descent, enter river bottom, thence over nearly level ground.

61.30 E. edge Soup River course S.

61.70 W. edge Soup River course S.

62.50 E. edge Soup River flows N.E.

62.90 W. edge Soup River flows N.E., enter plum thicket

64.30 E. edge Soup River flows S.

64.70 W. edge Soup River flows S.

74.50 Leave plum thicket, begin ascent along N.E. slope

78.84 Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground, for Standard cor. of secs. 35 and 36 marked

S.C. T. 25 N., R. 33 W. on N.

S. 36 on E. and

S. 35 on W. faces with 1 groove on E. and 5 grooves on W. faces, dug pits 24 x 18 x 12 ins. crosswise on each line

6th Standard Parallel North, through Range 33 W. continued

Chains	
	E. and W. 3 ft. and N. of Post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, level and broken
	Soil, sandy 1st and 3rd rate
	Timber, underbrush of plum and Willow on river bottom
	Sand and prairie grass
	The Soup river is a very crooked stream, flows very swiftly, and is about 2 ft. deep. Sandy bottom
	N. 89° 25' W. on S. bdy. of sec. 35
	Ascend gradually along N.E. slope
11.50	Top of ascent 5 ft. above cor. on E. edge canon, descend abruptly
18.50	Bottom of canon 10 ft. deep, course N. and S. ascend abruptly
31.50	Top of ascent N. edge canon, ascend slightly along N.E. slope
33.00	Top of ascent on ridge N. and S. descend abruptly
36.50	Ravine or canon 5 ft. deep. course N. ascend gradually
39.41	The old 1/4 sec. cor. on S. bdy. of sec. 35, mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit. In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. 1/4 S. on N. face
	This cor. is S. 3.78 chs. from the random, and the old cor. of secs. 34 and 35 is S. 3.39 chs. from the random therefore, the course of the corrected parallel is N. 89° 22' W. from this 1/4 sec. cor. consequently I run
	N. 89° 22' W. on S. bdy. of sec. 35
	Ascend
41.00	Top of ascent 10 above cor. descend
49.50	Bottom descent in canon 75 deep, course N. ascend abruptly. Soup river about 8 chs. N.
54.50	Top of ascent, descend abruptly
57.50	Bottom canon 50 deep. course N. and S. ascend
59.50	Top of ascent, thence over rolling foot hills sloping to N.W.
60.90	Abandoned trail, course N. 60° W., S. 60° E.

6th Standard Parallel North, through Range 33 W. Continued

Chains	
78.48	The old cor. of secs. 34 and 35, mound and pits, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 in the ground for Standard cor. of secs. 34 and 35, marked S.C. T. 25 N. R. 33 W. on N. S. 35 on E. and S. 34 on W. faces, with 2 grooves on E. and 4 grooves on W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, Rolling and very broken
	Soil, Sandy 3rd rate
	Timber, scattering cedar in canyons, Bunch and Sand grass.
	This cor. is S. 3.39 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 33 is S. 2.05 chs. from the random, therefore the course of the corrected parallel is N. 89° 17' W., and the Northing 45 lks. per half mile, the distance to the S. 1/4 cor. of sec. 33 is 118.18 chs. from the cor. of secs. 34 and 35, consequently I run
	N. 89° 17' W. on S. bdy. of sec. 34
	Over rolling ground, along N.E. slope
1.00	Abandoned trail, course S.E. and N.W.
16.00	Top of ascent 50 above cor. on ridge, course N. and S. descend gradually.
27.30	Abandoned trail, course S. 80° W., N. 80° E.
35.00	E. Edge canon, descend gradually
	As the cor. points falls in bottom of canon, at
37.60	Deposit a charred stake 12 ins. in the ground for Witness cor. to the Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base, 1½ ft. high over deposit. In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked W.C., S.C. 1/4 S. on W. face
39.60	Point for 1/4 cor. in Bottom canon, course N. and S. ascend abruptly.
43.40	W. Edge canon 30 above, thence ascend along N.E. slope over ridges
72.00	Trail course, N. 75° W., S. 75° E. abandoned

6th Standard Parallel North, through Range 33 W. Continued

Chains	
76.00	Top of ascent on N. face of hills, thence over rolling ground
79.20	Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground, for Standard cor. of secs. 33 and 34 marked S.C. T. 25 N., R. 33 W. on N. S. 34 on E. and S. 33 on W. faces with 3 grooves on E. and W. faces. dug pits 24x18x12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, Broken and Rolling Soil, sandy 3rd rate No timber, Sand and Bunch grass

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✓ N. 89° 17' W. on S. bdy. of sec. 33
Ascend slightly over rolling ground
8.00 Top of ascent 20 ft above cor. Loup River about 30 chs. N. descend slightly over rolling ground along N. slope
9.30 abandoned trail, course N.E. and S.W.
✓ 39.60 The old 1/4 sec. cor. on S. bdy. of sec. 33, mound and pits with stake in mound, where I deposit a charred stake with the old stake, 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit. In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. 1/4 S. on W. face
This cor. is S. 2.05 chs. from the random, and the old cor. of Secs. 32 and 33 is S. 1.64 chs. from the random; therefore the course of the corrected parallel is N. 89° 20' W. from this 1/4 sec. cor., consequently I run

N. 89° 20' W. on S. bdy. of sec. 33
43.00 Descend slightly over rolling ground between low ridges
70.00 Bottom descent, ascend along N.E. slope over rolling ground
✓ 79.42 The old cor. of secs. 32 and 33, mound and pits with stake in mound, with marks defaced, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake and the old stake, 24 ins. in the ground for Standard cor. of Secs. 32 and 33, marked S.C. T. 25 N., R. 33 W. on N. S. 33 on E. and

6th Standard Parallel North, through Range 33 W. Continued

Chains	
	S. 32 on W. faces with 4 grooves on E. and 2 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, Rolling Soil sandy 3rd rate No timber, Sandy and bunch grass This cor. is S. 1.64 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 32 is S. 1.12 chs. from the random therefore the course of the corrected parallel is N. 89° 17' W. from the cor. of secs. 32 and 33, consequently I run

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✓ N. 89° 17' W. on S. bdy. of sec. 32
Over rolling ground
6.00 Begin ascent along N.E. slope, low ridge
22.00 Top of ascent 50 ft above on W. face foot hills, descend slightly over rolling ground sloping to the N.W.
✓ 38.88 Old closing cor. T. 24 N., Rs. 33 and 34 W. on line
✓ 39.69 The old 1/4 sec. cor. on S. bdy. of sec. 32 mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit. In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. 1/4 S. on W. face
This cor. is S. 1.12 chs. from the random, and the old cor. of secs. 31 and 32 is S. 0.74 chs from the random, therefore the course of the corrected parallel is N. 89° 24' W. from this old 1/4 sec. cor. consequently I run

N. 89° 24' W. on S. bdy. of sec. 32
Over rolling ground ascending
44.40 Old trail, course N.E. and S.W.
47.00 Top of ascent on low ridge, 50 ft above cor. course N.E. and S.W. descend over rolling ground
57.80 Old trail course S.W. and N.E. at bottom descent thence ascend over rolling ground sloping to the E.
74.00 Top of ascent 40 ft above trail, descend over rolling ground
✓ 79.41 The old cor. of secs. 31 and 32, mound and pits with stake in mound, where I set an Oak post 3 ft. long 4 ins. sq.

6th Standard Parallel North, through Range 33 W. continued

chains

with charred stake, and the old stake 24 ins. in the ground for Standard cor. of secs. 31 and 37, marked
S.C. T. 25 N, R. 33 W. on N.
S. 37 on E. and
S. 31 on W. faces with 5 grooves on E. and 1 groove on W. faces
dug pits 24x18x14 ins. crosswise on each line E. and W. 4 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Sand, rolling
Soil, sandy 3rd rate
No timber, sand and bunch grass
This cor. is S. 74 lks. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 31 is S. 37 lks. from the random therefore the course of the corrected parallel is N. 89° 24' W. from this cor. consequently I run

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✓ N. 89° 24' W. on S. bdy. of sec. 31
Ascend slightly over low ridges
15.50 Old trail, to River, in ravine course N. and S.
22.85 Old trail, to river in ravine course N. and S. over rolling ground
✓ 39.67 The old 1/4 sec. cor. on S. bdy. of sec. 31, mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x14 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. 1/4 S. on N. face
This cor. is S. 37 lks from the random, and the old cor of T. 25 N., Rs. 33 and 34 W. is on the random therefore the course of the corrected parallel is N. 89° 24' W.
From this 1/4 sec. cor. consequently I run

N. 89° 24' W. on S. bdy. of sec. 31
Descend slightly over rolling ground
48.00 High bank of river, course N. 20° E., S. 20° W. descend
Very abruptly over broken ground, and cross one
41.48 E. Edge of the S. fork of the Soup river, 14 lks. wide flows N. 30° E. Ascend over very broken ground along S.E. slope
✓ 80.07 The old cor. of T. 25 N., Rs. 33 and 34 W. mound and pits, with cedar post 4 ft. long 3 ins. sq. in mound, marked

6th Standard Parallel North, through Range 33 W. concluded

6 chains.

S.C. T. 25 N. on the N.
R. 33 W., S. 31 on the E. and
R. 34 W., S. 36 on the W. faces with 6 grooves on the N.E. and W. faces where I set an Oak post 3 ft. long 4 ins. sq. with charred stake and the old post 24 ins. in the ground for the Standard cor. T. 25 N. Rs. 33 and 34 W. marked
S.C. T. 25 N. on the N.
R. 33 W., S. 31 on the E. and
R. 34 W. S. 36 on the W. faces with 6 grooves on the N.E. and W. faces
dug pits 30 x 24 x 14 ins, crosswise on each line E. and W. 4 ft. and N. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2 1/2 ft. high N. of cor.
Cor. located on the S. face of sand bluff 3 chs N. of Soup river
Sand, rolling and broken
Soil, sandy 3rd rate
Timber, scattering cedar in canons and under brush of plum along river bottom, sand and bunch grass
This cor. is S. 4.95 chs. from the random run through Rs. 35 and 36, and the old 1/4 sec. cor. on S. bdy. of sec. 35 is S. 4.01 chs. from the random, therefore the course of the corrected parallel is N. 89° 29' W. and the Northing 31 lks. per half mile. The dist. to the S. 1/4 cor. of sec. 35 is 116.13 chs.
from the cor. of T. 25 N., R. 33 and 34 W. consequently I run

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Meander Line — R 34

6th Standard Parallel North, through Range 34 W.

Chains

✓ N. 89° 29' W. on S. bdy. sec. 36
Ascend along S. face sand bluff
4.00 Top of ascent 30 ft. above cor. descend along S. face
36.00 Bottom descent, on S. face range Ascend along S.E. slope
✓ 38.71 Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x14 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on W. face
46.00 Top of ascent 75 ft. above river on S. face of bluff
Descend along S.W. slope
54.00 Bottom descent, enter river bottom N.W. and S.E.

6th Standard Parallel North, through Range 34 W. continued

Chains	
64.00	E. edge of Soup River flows S. 60° E. 10 lks. mdc
69.00	Begin ascent along N. E. slope of bluff over rolling ground
77.44	Set an Oak post 3 ft. long 4 ins. sq. with chared stake 24 ins. in the ground for Standard cor. of secs. 35 and 36, marked S.C. T. 25 N., R. 34 W. on N. S. 36 on E. and S. 35 on W. faces, with 1 groove on E. and 5 grooves on W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, broken Soil, sandy 1st and 3rd rate Timber underbrush of plum along river Bunch and prairie grass A sod house bears S. 70° E. 10.75 chs.

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N. 89° 24' W. on S. bdy. sec. 35

along N. face of bluff

0.20	E. edge of canyon, descend very abruptly
7.00	Bottom descent, 30 ft deep in canon course N. and S.
	Ascend along N. E. slope over very broken ground
7.70	Top of ascent, thence along N. E. slope over ridges and ravines
10.70	Ascend slightly over rolling ground
38.71	Thro old 1/4 sec. cor. on S. bdy. of sec. 31 mound and pits, where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins E. and N. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. 1/4 S. on N. face

This cor. is S. 4.01 chs. from the randoms, and the old cor. of secs. 33 and 34 is S. 3.00 chs from the random, therefore the course of the corrected parallel is N. 89° 27' W. and the Northing 34 lks. per half mile. The dist. from this cor. to the cor. of secs. 33 and 34 is 120.81 chs. from this 1/4 sec. cor. consequently I run

N. 89° 27' W. on S. bdy. of sec. 35

6th Standard Parallel North through Range 34 W. continued

Chains	
	Ascend gulch, over rolling ground
69.40	Top of ascent on river bluff 75 ft above river course N. 10° E., S. 10° W. descend abruptly
72.50	Bottom descent, enter rolling bottom land, through plum thicket
78.18	E. edge dry bed S. branch of the S. fork of Soup River 10 lks. mdc. course N. 60° E.
78.98	Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins in the ground for Standard cor. of secs. 34 and 35 marked S.C. T. 25 N., R 34 W. on N. S. 35 on E. and S. 34 on W. faces, with 2 grooves on E. and 4 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, broken and rolling Soil, sandy 3rd rate Timber, scattering cedar on edge of bluff, and under brush of Plum on river bottom. Sand grass

N. 89° 27' W. on S. bdy. of sec. 34

Over rolling ground along creek bottom through underbrush of plum bushes

3.40	E. edge dry bed Soup River 10 lks. wide course S. 60° E. thence in river bed
5.00	W. edge dry bed Soup River 10 lks. wide course S. 60° E.
25.40	E. edge dry bed Soup River 10 lks. wide course S. W.
30.00	Center of dry bed Soup River 10 lks. wide course N. E
31.30	Center of dry bed Soup River 10 lks. wide course S. E.
32.40	Center of dry bed Soup River 10 lks. wide course N.
33.10	Center of dry bed Soup River 10 lks. wide course S.
38.50	Center of dry bed Soup River 10 lks. wide course N. E.
39.50	Center of dry bed Soup River 10 lks. wide course S. E.
40.27	Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

6th Standard Parallel North, through Range 34 W. continued

Chains	
	S.C. 1/4 S. on N. face
	ascend over rolling ground along N.E. slope
67.50	Trail N. 70° W., S. 70° E., ascend slightly over rolling ground.
80.54	The old cor. of secs. 33 and 34, mound and pits, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground, for standard cor. of secs. 33 and 34 marked
	S.C. T. 25 N., R. 34 W. on N.
	S. 34 on E. and
	S. 33 on W. faces, with 3 grooves on E. and W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, broken and rolling
	Soil, sandy 2nd and 3rd rate
	Timber, underbrush of plum along river bottom
	This cor. is S. 3.00 chs. sand and prairie grass from the random, and the old 1/4 sec. cor. on S. bdy. of sec. 33 is S. 2.73 chs. from the random. Therefore the course of the corrected parallel is N. 89° 33' W. from this old cor. of secs. 33 and 34, consequently I run

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Chains	
	N. 89° 33' W. on S. bdy. of sec. 33
	ascend along N.E. slope gently
9.40	Trail course S. 50° W., N. 50° E. at top of ascent over rolling ground
16.70	Bluff on river 30 ft. above sec. cor. descend
21.45	Chute, dry bed Loup River 10 lks. wide, course N. 30° E.
24.00	High bank of creek thence along S.E. slope over rolling foot hills, ascending slightly
39.69	The old 1/4 sec. cor. on S. bdy. of sec. 33, mound and pits where I deposit a charred stake 12 ins. in the ground for standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on N. face
	This cor. is S. 2.73 chs. from the random, and the old cor. of secs. 34 and 33 is S. 2.51 chs. from the random. Therefore the course of the corrected parallel is N. 89° 37' W. from this 1/4 sec. cor. consequently I run

6th Standard Parallel North, through Range 34 W. continued

Chains	
	N. 89° 37' W. on S. bdy. Sec. 33.
	Over rolling land along S.E. slope
70.00	Begin ascent along S.E. slope of range
79.54	The old cor. of secs. 34 and 33, mound and pits with cedar post in mound, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake, and the old post 24 ins. in the ground for standard cor. of secs. 34 and 33, marked
	S.C. T. 25 N., R. 34 W. on N.
	S. 33 on E. and
	S. 34 on W. faces with 4 grooves on E. and 2 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, rolling and broken
	Soil, sandy 3rd rate
	Timber, Plum bushes along river, sand grass
	This cor. is S. 2.51 chs. from the random, and the old cor. of sec. 35 and 36 R. 35 W. is S. 1.68 chs. from the random, therefore the course of the corrected parallel is N. 89° 44' W. and the distance from this cor. to the cor. of secs. 35 and 36, R. 35 W. is 239.94 chs. and the distance to the cor. of T. 25 N., R. 34 and 35 is 159.94 2/3 chs. and the Northing 14 lks. per half mile from the cor. of secs. 34 and 33, consequently I run

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Chains	
	N. 89° 44' W. on S. bdy. of sec. 34
	ascend along S.E. slope range
10.00	Top of ascent 100 ft. above creek, on top of range course N.E. and S.W.
13.00	Begin descent along S.W. slope over rolling ground
39.99	Deposit a charred stake 12 ins. in the ground for standard 1/4 sec. cor. and dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on N. face
40.00	Bottom descend in ravine or pass course N. and S. to river
	ascend along S.E. slope range, on S. face of ridge
77.00	Top of ascent on S. face of range 75 ft. above 1/4 cor. thence along S. face of range
79.97	Set an Oak post 3 ft. long 4 ins. sq. with charred stake

6th Standard Parallel North, through Range 34 W. concluded

chains	
	24 ins. in the ground, for Standard cor. of secs. 31 and 36 marked.
	S.C. T. 25 N., R. 34 W. on N.
	S. 36 on E. and
	S. 31 on W. faces with 5 grooves on E. and 1 groove on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, broken sand hills
	Soil, sandy 3rd rate
	No timber, Bunch and sand grass
	N. 89° 44' W. on S. bdy. of sec. 31
	Ascend gently along N. face. depression
10.00	Top of ascent, on S. face range, 100 ft. above river thence along S. face range
20.00	Begin abrupt descent along S. W. slope
28.00	Bottom descent thence over rolling foot hills
36.00	Ravine or pass course N. and S. ascend gradually over rolling ground along E. slope of range
39.99	Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on W. face
61.00	Top of ascent 100 ft. above Valley, on S. face of range, descend gradually along S. W. slope
79.97	Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of T. 25 N. Rs. 34 and 35 W. marked
	S.C. T. 25 N. on N.
	R. 34 W. S. 31 on E. and
	R. 35 W., S. 36 on W. faces with 6 grooves on W. E. and W. faces dug pits 30x24x12 ins. crosswise on each line, E. and W. 4 ft. and N. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2 1/2 ft. high N. of cor.
	Land, rolling and broken sand hills
	Soil, sandy 3rd rate
	No timber. Sand and bunch grass

6th Standard Parallel North, through Range 35 W.

chains	
	N. 89° 44' W. on S. bdy. of sec. 36
	Descend along S. W. slope
7.00	Bottom descent 30 ft. below cor., thence over rolling foot hills
37.00	Begin ascent along S. E. slope foot hills
39.99	Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on W. face
46.00	Top of ascent 40 ft. on S. face foot hills thence along S. face, over rolling foot hills, descending slightly
79.97	The old cor. of secs. 35 and 36 mound and pits with cedar stake in mound, where I set an Oak Post 3 ft. long 4 ins. sq. with cedar stake and the old stake 24 ins. in the ground, for Standard cor. of secs. 35 and 36 marked
	S.C. T. 25 N., R. 35 W. on N.
	S. 36 on E. and
	S. 35 on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, rolling
	Soil, sandy 3rd rate
	No Timber. Sand and bunch grass
	This cor. is S. 1.68 chs. from the random, and the old 1/4 sec. cor. on S. bdy. of sec. 35 is S. 2.1 chs. from the random therefore the course of the corrected parallel is S. 89° 25' W. from the cor. of secs. 35 and 36, consequently I run
	S. 89° 25' W. on S. bdy. of sec. 35
	Over rolling land, sloping to S. W.
40.05	The old 1/4 sec. cor. on S. bdy. of sec. 35, mound & pits, where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on W. face
	This cor. is S. 2.1 chs. from the random, and the old

6th Standard Parallel North, through Range 35 W. continued

chains

cor. of secs. 34 and 35 is S. 1.33 chs. from the random
therefore the course of the corrected parallel is N. 88°49' W.
from this 1/4 sec. cor. consequently I run

N. 88°49' W. on S. bdy of sec. 35

44.50 Descend along S. W. slope of river bank
49.50 Dry bed Soup river 10 lks. wide course S.
55.70 Dry bed Soup river 10 lks. wide course N. E.
59.30 Dry bed Soup river 10 lks. wide course S. ascend
60.00 Top of shoot or bluff 20 ft. high, descend
64.13 Dry bed Soup river course N. ascend over rolling ground
69.00 Enter level basin like bottom
76.00 Ascend abruptly along E. slope of range
✓ 80.05 The old cor. of secs. 34 and 35, mound and pits with stake in mound, where I set an Oak Post 3 ft. long 4 ins. sq. with charred stake, and the old stake, 24 ins. in the ground for Standard cor. of secs. 34 and 35, marked S.C. T. 25 N., R. 35 W. on N.
S. 35 on E. and
S. 34 on W. faces with 2 grooves on E. and 4 grooves on W. faces
dug pits 24x18x12 ins. crosswise on each line, E. and W. 3 ft. and N. of post. 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, rolling and broken
Soil, sandy 2nd and 3rd rate
No timber. Sand and bunch grass
This cor. is S. 1.33 chs. from the random, and the old 1/4 sec. cor. on S. bdy of sec. 34 is S. 1.29 chs. from the random
therefore the course of the corrected parallel is N. 89°53' W.
from the cor. of secs. 34 and 35, consequently I run

✓ N. 89°53' W. on S. bdy of sec. 34
Ascend along slope
12.70 Top of ascent on sand prairie or bluff, 100 ft. above river
thence along N. face of range over broken ground
28.00 Top of range 150 ft. above river, course S. 70° W. N. 70° E.
✓ 40.00 The old 1/4 sec. cor. on S. bdy. of sec. 34, mound and pits where I deposit a charred stake 12 ins. in ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit

6th Standard Parallel North, through Range 35 W. continued

chains

on E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S on W. face
This cor. is S. 1.29 chs. from the random, and the old cor. of secs. 33 and 34 is S. 1.07 chs. from the random
therefore the course of the corrected parallel is N. 89°35' W.
from this 1/4 sec. cor. consequently I run

✓ N. 89°35' W. on S. bdy. of sec. 34
Along top of range
41.00 Descend along W. slope range over ridges and broken ground.
69.00 Descend gradually along S. W. face of ridge
✓ 80.05 The old cor. of secs. 33 and 34 mound and pits, with cedar stake in mound, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake, and the old stake, 24 ins. in the ground for standard cor. of secs. 33 and 34 marked
S.C. T. 25 N., R. 35 W. on N.
S. 34 on E. and
S. 33 on W. faces, with 3 grooves on E. and W. faces
dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land; broken sand hills
Soil, sandy 3rd rate
No timber, bunch grass
This cor is S. 1.07 chs. from the random, and the old 1/4 sec. cor. on S. bdy. of sec. 31 is S. 41 lks. from the random
therefore the course of the corrected parallel is N. 89°45' W.
and the Northing 13 lks per half mile, the distance to the 1/4 cor. on S. bdy. of sec. 31 is 201.10 chs.
from the cor. of secs. 33 and 34 consequently I run

✓ N. 89°45' W. on S. bdy. of sec. 33
Ascend along N. E. slope ridge
7.00 Top of ascent 20 ft. above cor. thence over broken ground, ridges and low bluff, descending gulch
38.00 Bottom descent in ravine, course S. 60° W., N. 60° E. ascend
✓ 40.22 Deposit a charred stake 12 ins. in the ground for standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base

6th Standard Parallel North, through Range 35 W. continued

chains 1½ ft. high over deposit
in E. pit drove an Oak stake 2 ft. long 2 ins. sq.
12 ins. in the ground, marked
S.C. 1/4 S. on N. face
ascend along S. W. face
44.00 Top of ascent on sand peak or bluff 30 ft. high, thence over very broken ground
68.30 Begin gradual descent along N. slope
79.00 Trail to Whitman, course N. and S. 70° E.
✓ 80.44 Point for cor. of secs. 32 and 33 falls in road, where I
Deposit a charred stake 24 ins. in the ground for Standard
cor. of secs. 32 and 33, and at a point 50 lks N. and 50
lks S. of the cor. point. I set an Oak post 3 ft. long
4 ins. sq. with charred stake 24 ins. in the ground for
Witness corners to the cor. of Secs. 32 and 33 marked
W.C. S.C. T. 25 N., R 35 W. on N.
S. 33 on E. and
S. 32 on W. faces, with 4 grooves E. and W. and 2 grooves on N. faces
dug pits 24x18x12 ins. crosswise on each line, E. and W.
3 ft. and N. of post 7 ft. dist. and raised a mound of
Earth 4 ft. base 2 ft. high N. of corners.
Land, broken and rolling
Soil, sandy 3rd rate
No timber. Sand and Bunch grass

✓ N. 89° 45' W. on S. bdy. of sec. 32
Over rolling land in trail
0.20 S.E. cor. of plowed field, extends to the N.
10.00 S.W. cor of plowed field 15 lks. N., leave trail course
E. and S. 70° W.
19.40 Dry bed Soup River 10 lks. wide, course N. and S.
✓ 40.22 Deposit a charred stake 12 ins. in the ground for
Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W.
of cor. 4 ft. dist. and raised a mound of earth 3½ ft.
base 1½ ft. high, over deposit
in E. pit drove an Oak Stake 2 ft. long 2 ins. sq.
12 ins. in the ground, marked
S.C. 1/4 S. on N. face
76.85 Wire fence N. and S., also West from a point 50 lks
S. enters abandoned plowed field extends to N.

6th Standard Parallel North, through Range 35 W. continued

✓ chains 80.44 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24
ins. in the ground for Standard cor. of secs. 31 and 32
marked
S.C. T. 25 N., R. 35 W. on N.
S. 32 on E. and
S. 31 on W. faces with 5 grooves on E. and 1 groove on W. faces
dug pits 24x18x12 ins. crosswise on each line E. and
W. 3 ft. and N. of post 7 ft. dist. and raised a mound
of earth 4 ft. base 2 ft high N. of cor.
Land, level and rolling
Soil, sandy 2nd and 3rd rate
No timber. Sand grass

✓ N. 89° 45' W. on S. bdy. of sec. 31
Over rolling ground along foot of N. slope, in abandoned
plowed field.
1.00 Leave plowing, over rolling ground
6.00 S. edge, neck of dry bed Soup river
✓ 40.22 The old 1/4 sec. cor. on S. bdy sec. 31, mound and pits where I
deposit a charred stake 12 ins. in the ground for
Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and
W. of cor. 4 ft. dist, and raised a mound of earth
3½ ft. base 1½ ft. high over deposit
in E. pit drove an Oak Stake 2 ft. long 2 ins. sq.
12 ins. in the ground, marked
S.C. 1/4 S. on N. face
This cor. is S. 41 lks. from the random, and the old
cor. of T. 25 N., Rs. 35 and 36 W. is on the random
line. therefore the course of the corrected parallel
is N. 89° 20' W.
from this old 1/4 sec. cor. consequently I run—

✓ N. 89° 20' W. on S. bdy. of sec. 31
Over level land, descending slightly
53.14 Fence post in mound, the old closing cor. of secs. 2 and 3
T. 24 N., R. 35 W.
63.32 Wire fence, runs North
✓ 80.32 The old cor. of T. 25 N., Rs. 35 and 36, mound and pits
where I set an Oak Post 3 ft. long 4 ins. sq. 12 ins
in the ground for Standard cor. of T. 25 N., Rs. 35 and 36
marked

6th Standard Parallel North, through Range 35 W. concluded

chains S.C. T. 25 N. on N.
R. 35 W., S. 31 on E and
R. 36 W., S. 36 on W. faces, with 6 grooves on N. E. and W. faces
dug pits 30x24x12 ins. crosswise on each line,
E. and W. 4 ft. and N. of post 8 ft. dist. and
raised a mound of earth 5 ft. base 2½ ft. high
N. of cor.
Land, level and rolling
Soil, sandy 1st and 2nd rate
No timber Prairie and sand grass
From this cor. Weaver's Ranch houses, bear
N. 88° 25' E. 28 chs. and S. 83° E. 26 chs. dist.
As this cor. is S. 6.05 chs. from the random line which
was run through Rs. 36 and 37 and the old ¼ sec.
cor. on S. bdy of sec. 36, which is S. 5.59 chs. from the random
therefore the course of the corrected parallel is N. 89° 16' W.
from the cor. of T. 25 N., Rs. 35 and 36, consequently I run
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True Line ‡ R. 36

6th Standard Parallel North, through Range 36 W.

chains N. 89° 16' W. on S. bdy. of sec. 36
Over level land along S. edge of Valley
33.20 Mound and pits N. W. cor. of L. B. Weaver's H.E. claim
40.10 The old ¼ sec. cor., on S. bdy. of sec. 36, mound and pits where
I deposit a charred stake, 12 ins. in the ground for Standard
¼ sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist.
and raised a mound of earth 3½ ft. base 1½ ft. high
over deposit.
In E. pit drove an Oak stake 2 ft. long 2 ins sq.
12 ins. in the ground, marked
S.C. ¼ S. on N. face
This cor. is S. 5.59 chs. from the random, and the old cor.
of secs. 35 and 36 is S. 5.15 chs. from the random
therefore the course of the corrected parallel is N. 89° 18' W.
from the old ¼ cor. on S. bdy. of sec. 36 consequently I run

N. 89° 18' W. on S. bdy. of sec. 36
40.10 Wire fence course N. and S. over rolling ground
72.00 Enter dry bed Soup river, course S. W. and N. E.
76.00 Leave dry bed Soup river, course N. W. and E. thence
over level land

6th Standard Parallel North, through Range 36 W. continued

chains
80.20 The old cor. of secs. 35 and 36, mound and pits, where I
set an Oak post 3 ft. long 4 ins sq. with charred stake
24 ins. in the ground, for Standard cor. of secs. 35 and
36 marked
S.C. T. 25 N., R. 36 W. on N
S. 36 on E. and
S. 35 on W. faces, with 1 groove on E. and 5 grooves on
W. faces, dug pits 24x18x12 ins. crosswise on each
line, E. and W. 3 ft., and N. of post 7 ft. dist. and
raised a mound of earth 4 ft. base 2 ft. high
N. of cor.
Land, level and rolling
Soil, sandy 1st and 2nd rate
No timber. Prairie grass
This cor. is S. 5.15 chs. from the random, and the
old ¼ sec. cor. on S. bdy. of sec. 35 is S. 4.72 chs. from the
random, therefore the course of the corrected parallel is
S. 89° 18' W.
from the cor. of secs. 35 and 36, consequently I run

N. 89° 18' W. on S. bdy. of sec. 35
Over nearly level ground, along S. side of Valley
40.08 The old ¼ sec. cor. on S. bdy. of sec. 35 mound and pits where
I deposit a charred stake, 12 ins. in the ground, for
Standard ¼ sec. cor. dug pits 18x18x12 ins. E. and W.
of cor. 4 ft. dist. and raised a mound of earth 3½ ft.
base 1½ ft. high, over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq.
12 ins. in the ground, marked
S.C. ¼ S. on N. face
This cor. is S. 4.72 chs. from the random, and
the old cor. of secs. 34 and 35 is S. 4.26 chs. from
the random, therefore the course of the corrected
parallel is N. 89° 17' W.
from this ¼ sec. cor. consequently I run

N. 89° 17' W. on S. bdy. of sec. 35
From the ¼ cor. a frame and sod house bears N. 30° E.
about 30 chs. dist.
40.31 Wire fence N. and S. ascend gently along N. E. slope
foot hills

6th Standard Parallel North, through Range 36 W. continued

chains	
76.00	Top of ascent 50 ft. above Valley, on Ridge, course N. and S. thence descend
80.11	The old cor. of secs. 34 and 35, mound and pits, with post in mound, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake and the old post, 24 ins. in the ground, for the Standard cor. of secs. 34 and 35 marked S.C.T. 25 N., R. 36 W. on N. S. 35 on E. and S. 34 on W. faces, with 2 grooves on E. and 4 grooves on W. faces. dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level and rolling Soil Sandy, 1st and 3rd rate No timber. Prairie grass and sand grass This cor. is S. 4.26 chs. from the random; and the old 1/4 sec. cor. on S. bdy. of secs. 34 is S. 3.97 chs. from the random, therefore the course of the corrected parallel is N. 89° 37' W. from the cor. of secs. 34 and 35, consequently I run

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N. 89° 37' W. on S. bdy. of sec. 34
Over low ridges along N. slope, low range
37.00 Begin gentle descent along N. slope
40.01 The old 1/4 sec. cor. on S. bdy. of sec. 34, mound and pits where I deposit a charred stake, 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on W. face
This cor. is S. 3.97 chs. from the random, and the old cor. of secs. 33 and 34 is S. 3.14 chs. from the random therefore the course of the corrected parallel is N. 88° 45' W. from this 1/4 sec. cor. consequently I run

N. 88° 45' W. on N. bdy. of sec. 34
Descend gently
40.62 E. edge plowed field, extends N. 2 chs. and S 1 ch.

6th Standard Parallel North, through Range 36 W. continued

chains	
50.00	Leave plowed fields, enter basin like Valley, N. and S.
69.00	Trail, course N. W. and S. E. to Whitman
72.00	Begin ascent along E. slope foot hills
72.93	Wire fence course N. and S.
77.00	Top of ascent 40 ft. above Valley, thence along W. face of range over rolling foot hills
80.03	The old cor. of secs. 33 and 34, mound and pits where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground, for Standard cor. of secs. 33 and 34 marked S.C.T. 25 N., R. 36 W. on N. S. 34 on E. and S. 33 on W. faces, with 3 grooves on E. and W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level and rolling Soil, sandy 2nd and 3rd rate No timber. Prairie, sand, and bunch grass This cor. is S. 3.14 chs. from the random, and the old 1/4 sec. cor. on S. bdy. of sec. 33 is S. 2.96 chs. from the random, therefore the course of the corrected parallel is N. 89° 41' W. from the cor. of secs. 33 and 34, consequently I run

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N. 89° 41' W. on S. bdy. of sec. 33
Ascend gently along N. slope
17.00 Top of ascent 30 ft. above cor. thence along N. slope over low ridges descending gently
40.00 The old 1/4 sec. cor. on S. bdy. of sec. 33, mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on W. face
This cor. is S. 2.96 chs. from the random and the old cor. of secs. 32 and 33 is S. 3.61 chs. from the random, therefore the course of the corrected parallel is N. 89° 36' W.

chains	
	from this 1/4 sec. cor. consequently I run
	N. 89° 26' W. on S. bdy. of sec. 33
	Descend gently over rolling ground
68.00	Bottom descent thence over rolling foot hills
76.00	Trail course N. and S.
79.98	The old cor. of secs. 32 and 33, mound and pits where I set an Oak Stake 3 ft. long 4 ins. sq. with charred stake 24 ins in the ground for Standard cor. of secs. 32 and 33, marked
	S.C. T. 25 N, R. 36 W. on N.
	S. 33 on E. and
	S. 32 on W. faces, with 4 grooves on E. and 2 grooves on W. faces dug pits 24x18x12 ins. crosswise on each line, E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land rolling
	Soil, sandy 3rd rate
	No timber, Sand and bunch grass
	This cor. is S. 2.61 chs. from the random, and the old 1/4 sec. cor. on S. bdy. of sec. 32 is S. 2.21 chs. from the random therefore the course of the corrected parallel is N. 89° 22' W. from the cor. of secs. 32 and 33, consequently I run

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chains	
	N. 89° 22' W. on S. bdy. of sec. 32
	Over nearly level ground
6.00	Foot of range course N. W. and S. E. ascend along N. E. slope
19.00	Top of ascent 50 above cor. on N. face of range, descend over rolling ground gradually
40.02	The old 1/4 sec. cor. on S. bdy. of sec. 32, mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	On E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on N. face
	This cor. is S. 2.21 chs. from the random, and the old cor. of T. 25 N., Rs. 36 and 37 W. is S. 1.44 chs. from the random, therefore the course of the corrected parallel is N. 89° 33' W. and the Northing 26 chs. per half mile. The distance from this cor. to the cor. of Tp.

chains	
	25 N. R. 36 and 37 W. is 1 21.40
	from this 1/4 sec. cor. consequently I run
	N. 89° 33 W. on S. bdy of sec. 32
	Descend gently over rolling ground
51.00	Bottom descent, enter Basin like Valley, N. E. and S. W.
64.00	Dry bed, head of Long river course N. E. and S. W.
77.00	Foot of bluff or range, course N. 50° E. and S. 50° W. ascend very abruptly
80.49	Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 31 and 32, marked
	S.C. T. 25 N, R. 36 W. on N. face
	S. 32 on E. and
	S. 31 on W. faces, with 5 grooves on E. and 1 groove on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 17 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high, N. of cor.
	Land, broken, rolling and level
	Soil, sandy 2nd and 3rd rate
	No timber, Sand and Bunch grass

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chains	
	N. 89° 33' W. on S. bdy. of sec. 31
	Ascend along S. E. face of bluffs
7.00	Top of ascent 100 ft. above Valley, on S. face of bluffs thence over very broken ground
29.00	Descend along W. slope
40.47	Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist., and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
	On E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
	S.C. 1/4 S. on W. face
	corner located in depression on S. face of range
42.50	Begin abrupt ascent, along E. slope
51.00	Top of abrupt ascent, ascend gradually over rolling ground
74.00	Top of range 150 ft. above Valley on Range course S. 70° W. and N. E. thence over rolling ground along N. face
80.93	The old cor. of T. 25 N., Rs. 36 and 37 W. mound and pits where I set an Oak Post 3 ft. long 4 ins. sq. with

6th Standard Parallel North, through Range 36 W. concluded

chains

charred stake 24 ins. in the ground for Standard cor. of Tp. 25 N., Rs. 36 and 37 W. marked
S.C. T. 25 N. on N.
R. 36 W., S. 31 on E. and
R. 37 W., S. 36 on W. faces, with 6 grooves on N.E. and W. faces dug pits 30 x 24 x 17 ins. crosswise on each line E. and W. 4 ft. and N. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2½ ft. high N. of cor.
Land, broken
Soil, sandy 3rd rate
No timber. Bunch grass
This cor. is S. 1.44 chs. from the random, and the old cor. of secs. 34 and 35. Range 37 W. is S. 58 lks. from the random, therefore the course of the corrected parallel is N. 89° 37' W. and the Northing 21½ lks. per half mile.
The dist. from the cor. of T. 25 N., Rs. 36 and 37 W. to the old cor. of secs. 34 and 35 R. 37 W. is 160.85 chs.
from the cor. of T. 25 N., R. 36 and 37. consequently I run
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True Line — R. 37.

6th Standard Parallel North, through Range 37 W.

chains

N. 89° 37' W. on S. bdy. of secs. 36
Sturmian angle of 89° 37' from W. to N. and find that the magnetic bearing of the true meridian thus determined is N. 13° 02' W. at 8 a.m. which reduced by the table on page 100 of the manual gives the mean magnetic declination of 12° 55' E
along N. face of range
15.00 Begin descent along N. slope over rolling ground
27.50 Bottom descent, thence over rolling ground through a depression on S. face or slope of range
40.21 Deposit a charred stake 12 ins. in the ground for Standard ¼ sec. cor. dug pits 18 x 18 x 14 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on N. face
Ascend along E. slope, very abruptly over broken ground
69.00 Top of ascent on Range 100 ft. above Valley, course N.E. and S.W. over broken ground

6th Standard Parallel North, through Range 37 W. continued

chains

73.00 Begin descent along N. slope over rolling ground
80.42 Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 35 and 36 marked
S.C. T. 25 N., R. 37 W. on N.
S. 36 on E. and
S. 35 on W. faces, with 1 groove on E. and 5 grooves on W. faces dug pits 24 x 18 x 17 ins. crosswise on each line E. and W. 3 ft. and, and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, broken
Soil, sandy 3rd rate
No timber, Bunch grass

N. 89° 37' W. on S. bdy. of sec. 35
Descend along N. slope over ridges
78.00 Bottom descent entr. level land, course N. and S.
37.00 Trail to Whitman course, S. 45° E. N. 45° W.
40.21 Deposit a charred stake 12 ins. in the ground for Standard ¼ sec. cor. dug pits 18 x 18 x 14 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit, marked
In E. pit drove an Oak Stake 2 feet long 2 ins. sq. 12 ins. in the ground, marked
S.C. 1/4 S. on N. face
Line runs along S. edge Valley, about ½ mile wide over level land
80.42 The old cor. of secs. 34 and 35, mound and pits where I set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 34 and 35, marked
S.C. T. 25 N., R. 36 W. on W.
S. 35 on E. and
S. 34 on W. faces, with 2 grooves on E. and 4 grooves on W. faces dug pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, level and rolling
Soil, sandy 1st and 3rd rate
No timber. Prairie and Sand grass
From this cor. James Monahan's sod house bears S. 17° 15' W. about 30 chs. dist.
This cor. is S. 58 lks. from the random, and the old

chains

1/4 sec. cor. on S. bdy of sec. 34, is N. 18 lks. from the random
therefore the course of the corrected parallel is N. 89° 43' W.
and the Northing 15 lks. per half mile, the distance to the old
1/4 cor. on S. bdy. of sec. 34 is 101.94 chs.
from the cor. of secs. 34 and 35, consequently I run

N. 89° 43' W. on S. bdy of sec. 34
Over level land
40.58 Deposit a charred stake 12 ins. in the ground for Standard
1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist.
and raised a mound of earth 3½ ft. base 1½ ft. high
over deposit.
On E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in
the ground, marked
S.C. 1/4 S. on N. face
81.17 Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins.
in the ground, for Standard cor. of secs. 33 and 34, marked
S.C. T. 25 N, R 36 on W.
S. 34 on E. and
S. 33 on W. faces, with 3 grooves on E. and W. faces. dug pits
24x18x12 ins. crosswise on each line E. and W. 3 ft.
and N. of post 7 ft. dist. and raised a mound of earth
4 ft. base 2 ft. high N. of cor
Land, level
Soil, sandy 1st rate
No timber, Heavy prairie grass

N. 89° 43' W. on S. bdy. of sec. 33
ascend along S.E. slope of bluffs
70.00 Top of ascent on S. face of range 75 ft. above Valley, course
N. and N. 70° E. descend over broken ground, gently
27.00 Bottom descent in depression on S. face of range
Trail course N. and S. ascend abruptly over very broken ground
34.44 Wire fence, course N. and S.
40.58 Deposit a charred stake 12 ins. in the ground for
Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of
cor. 4 ft. dist. and raised a mound of earth 3½ ft.
base 1½ ft. high, over deposit
On E. pit drove an Oak stake 2 ft. long 2 ins.
sq. 12 ins. in the ground, marked

chains

S.C. 1/4 S. on N. face
55.00 Top of ascent on Range 150 ft. above Valley, course E. and W.
thence along top of range over bluffs and ridges
79.00 Low ridge, course N. and S. descend
81.17 Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24
ins. in the ground for Standard cor. of secs. 33 and 33, marked
S.C. T. 25 N, R. 36 W. on N.
S. 33 on E. and
S. 34 on W. faces, with 4 grooves on E. and 2 grooves on
W. faces. dug pits 24x18x12 ins. crosswise on each
line E. and W. 3 ft. ft. dist. and N. of post 7 ft. dist. and
raised a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, broken
Soil, sandy 3rd rate
No timber. Bunch grass

N. 89° 43' W. on S. bdy. of sec. 34
Over ridges and ~~[illegible]~~ along N. W. faces of range
76.00 Begin gradual descent along N. W. slope of range
76.33 The old closing cor. T. 24 N, Rs. 36 and 37 W. S. 6 lks. from
line
40.58 The old 1/4 sec. cor. on S. bdy. of sec. 34, mound and pits where
I deposit a charred stake 12 ins. in the ground for
Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W.
of cor. 4 ft. dist. and raised a mound of earth
3½ ft. base 1½ ft. high, over deposit
On E. pit drove an Oak stake 2 ft. long 2 ins. sq
12 ins. in the ground, marked
S.C. 1/4 S. on N. face
This cor. is N. 18 lks. from the random, and the
old cor. of T. 25 N, Rs. 36 and 37 W. is on the random
line; therefore the course of the corrected parallel is
S. 89° 59' W. the Southing 6 lks. per half mile, the dist.
from this old 1/4 sec. cor. to the old cor. of T. 25 N, R. 36 and 37
W. is 121.00 chs.
from the old 1/4 sec. cor. on S. bdy. of sec. 34, consequently I run
[illegible]
~~S. 89° 59' W. on S. bdy. of sec. 34~~
Descend gently along N. W. slope
48.00 Enter level land, course N.E. and S.W.
50.25 Trail course N. 30° E. S. 30° W. to Hyannis

6th Standard Parallel North, through Range 38 W. concluded.

Chains	
80.91	Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins in the ground for Standard cor. of secs. 31 and 36, marked S.C. T. 25 N., R. 36 W. on N. S. 36 on E. and S. 31 on W. faces, with 5 grooves on E. and 1 groove on W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2½ ft. high N. of cor. Land, Rolling and level Soil, sandy 1st and 3rd rate No timber. Sand and prairie grass
	S. 89° 59' W. on S. bdy. of sec. 31 over level land, subject to overflow
40.33	Deposit a charred stake, 12 ins. in the ground for Standard ¼ sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. ¼ S. on W. face
51.00	Foot of bluff or range, course N. 70° E., S. 70° W. ascend along S. E. slope
60.00	Top of ascent 75 ft. above Valley, thence along S. E. face of range, ascending slightly
80.67	The old cor. of T. 25 N., Rs. 36 and 37 W. flat mound and pits, with decayed cedar post in mound where I set an Oak Post 3 ft. long 4 ins. sq. with a charred stake, and the old cedar stake 24 ins. in the ground for Standard cor. of T. 25 N., Rs. 36 and 37 W. marked S.C. T. 25 N. on N. R. 36 W., S. 31 on E. and R. 37 W. S. 36 on W. faces, with 6 grooves on W. E. and W. faces dug pits 30x24x12 ins. crosswise on each line E. and W. 4 ft. dist. and W. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2½ ft. high W. of cor. Land, level and rolling Soil, sandy 1st and 3rd rate No timber Prairie and Bunch grass

May 28th 1895

6th Standard Parallel North, through Range 38 W.

Chains	
	As the cor. of T. 25 N., Rs. 37 and 38 W. is S. 12.50 chs. from the random, run through Rs. 37, 38, 39 and 40 W. and the old cor. of secs. 33 and 34, R. 37 W. is S. 14.78 chs. from the random, therefore the course of the corrected parallel is S. 89° 38' W., and the Southing 30 lks (about) per half mile, and the distance to the cor. of secs. 33 and 34 is 241.95 chs. from the cor. of T. 25 N. R. 36 and 37 W. consequently, I run
	S. 89° 38' W. on S. bdy. of sec. 36 along W. face of range over broken ground
2.70	Wire fence, course N. 65° W., S. 65° E. descend gently
24.00	Bottom of descent in ravine or depression on W. face of range. Ascend abruptly, along W. E. slope bluff
34.00	Top of ascent 75 ft. above ravine on W. face bluff thence over broken ground and sand ridges
40.33	Deposit a charred stake 12 ins. in the ground for Standard ¼ sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked S.C. ¼ S. on W. face
55.00	Begin gradual descent along W. slope of range
70.00	Enter level land, course N. and S.
74.00	Trail, course N. 30° E., S. 30° W.
77.50	As the cor. will fall in Soda lake Set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Witness cor. to the Standard cor. of secs. 35 and 36, marked W.C. S.C. T. 25 N., R. 38 W. on W. S. 36 on E. and S. 35 on W. face, with 1 groove on E. and 5 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and W. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high W. of cor.
78.00	E. edge Soda Lake, at this point I offset to the S. 9 chs. and run S. 89° 38' W. on the offset line along the S. side of Valley
80.65	Point 9 chs. S. of cor. of secs. 35 and 36 Land, broken and rocky Soil sandy 3rd rate

6th Standard Parallel North, through Range 38 W. continued

chains | No timber. Bunch and sand grass

S. 89°38' W. on offset line 9 chs. S. of S. bdy. of sec. 35
Over level ground along S. edge Soda Lake
28.00 at this point I offset to the N. 9 chs. to the S. bdy. of sec. 35
Thence I run S. 89°38' W on S. bdy. of sec. 35
over level ground, from W. edge Soda lake
37.00 Foot of bluffs or range, course N. 60° E. S. 60° W. ascend abruptly
40.00 Top of ascent 75 above lake on S. face of bluffs
40.37 Deposit a charred stake 12 ins. in the ground for Standard
1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist.
and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high
over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12
ins. in the ground, marked
S.C. 1/4 S. on N. face
thence along S. face of range over rolling ground and ridges
78.00 Descend along W. slope over ridges
80.65 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins.
in the ground for Standard cor. of secs. 34 and 35,
marked
S.C. T. 25 N., R 38 W. on N.
S. 35 on E. and
S. 34 on W. faces with 2 grooves on E. and 4 grooves on W. faces
dug pits 24x18x12 ins. crosswise on each line E. and W.
3 ft. and N. of post 7 ft. dist. and raised a mound
of earth 4 ft. base 2 ft. high N. of cor.
Land, rolling, level and broken
Soil sandy 1st and 3rd rate
No timber, Prairie and bunch grass

S. 89°38' W. on S. bdy. of sec. 34
Over rolling foot hills
9.00 Wire fence course, N. 45° W. and S. 45° E.
14.00 Enter circular shaped Valley N. and S.
30.20 Trail, course N. and S. to Hyarnis
34.00 Leave Valley ascend over low foot hills
40.37 Deposit a charred stake 12 ins. in the ground for Standard
1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist
and raised a mound of earth 3 1/2 ft. base and
1 1/2 ft. high over deposit

6th Standard Parallel North, through Range 38 W. continued

chains | In E. pit drove an Oak Stake 2 ft. long 2 ins.
sq. 12 ins. in the ground, marked
S.C. 1/4 S. on N. face
ascend abruptly along E. face bluff over broken ground
56.00 Top of ascent on S. face of bluffs 100 ft. above Valley, thence
along S. face over ridges and rolling ground
59.00 Descend gently over rolling ground along
top of range
70.00 Bottom descent in depression, ascend slightly
80.65 The old cor. of secs. 33 and 34, mound and pits where I
set an Oak Post post 3 ft. long 4 ins. sq. with charred stake
24 ins. in the ground for Standard cor. of secs. 33 and 34
marked
S.C. T. 25 N. R. 38 W on N.
S. 34 on E. and
S. 33 on W. faces with 3 grooves on E. and W. faces
dug pits 24x18x12 ins. crosswise on each line E.
and W. 3 ft. and N. of post 7 ft. dist. and raised a
mound of earth 4 ft. base 2 ft. high N. of cor.
Land, level and broken
Soil, sandy 3rd rate
No timber. Bunch and sand grass
This cor. is S. 14.28 chs. from the random and the
old cor. of secs. 37 and 33 is S. 15.57 chs. from the random
therefore the course of the corrected parallel is S. 89°12' W.
and the Southing 72 lks. per half mile, the distance
from this cor. to the old cor. of secs. 37 and 33 is 79.96 chs.
from the old cor. of secs. 33 and 34, consequently I run

S. 89°12' W. on S. bdy. of sec. 33
ascend gradually along S. face of range
5.50 Wire fence, course N. and S.
6.00 Top of ascent 40 ft above corner thence rolling ground
15.00 Begin descent along W. slope
30.00 Trail to Hyarnis, course S. 20° E., N. 20 W. at bottom descent
ascend along N. E. slope
39.00 Top of ascent 50 ft. above Valley, on N. slope of range
39.98 Deposit a charred stake 12 ins. in the ground for Standard
1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist.
and raised a mound of earth 3 1/2 ft. base 1 1/2 ft.
high over deposit

6th Standard Parallel North, through Range 38 continued

chains	
	Set E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked S.C. 1/4 S. on N. face
	thence along N. slope over ridge, ascending gently
79.96	The old cor. of secs. 27 and 33, mound and pits with cedar stake in mound, where I set an Oak Post 3 ft. long 4 ins. sq. with charred stake, and the old stake 24 ins. in the ground for Standard cor. of secs. 27 and 33 marked S.C. T. 75 N., R. 38 W. on N. S. 33 on E. and S. 27 on W. faces with 4 grooves on E. and 2 grooves on W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, rolling Sand Hills Soil, sandy 3rd rate No timber Sand and bunch grass This cor. is S. 15.52 chs. from the random, and the old cor. of secs. 31 and 32 is S. 16.09 chs. from the random therefore the course of the corrected parallel is S. 89° 40' W. and the Southing 28.72 lks. per half mile, the distance from this cor. to the old cor. of secs. 31 and 32 is 81.45 chs from the cor. of secs. 27 and 33, consequently I run

S. 89° 40' W. on S. bdy. of sec. 27
along N. slope of range, descend gradually over rolling ground

24.00	Trail, course N. and S. to Hyannis at bottom descent thence over low foot hills
31.00	Enter level ground, S. edge of Valley N. 80° E. S. 40° W.
40.72	Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
	Set E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. 1/4 S. on N. face
	thence over rolling land
56.00	Foot of bluffs or range, course N. and S. ascend gradually
71.00	Top of ascent 50 above Valley thence over rolling ground
81.45	The old cor. of secs. 31 and 32, mound and pits with cedar

6th Standard Parallel North, through Range 38 W. continued

chains	
	stake in mound, where I set an Oak post 3 ft. long 4 ins. sq. with charred stake and the old stake 20 ins. in the ground for Standard cor. of secs. 31 and 32, marked S.C. T. 75 N., R. 38 W. on N. S. 32 on E. and S. 31 on W. faces, with 1 groove on E. and 1 groove on W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor. Land, level and rolling Soil, sandy 1st and 3rd rate No timber, Prairie and ~~bunch~~ bunch grass This cor. is S. 16.09 chs. from the random and the old cor. of secs. 35 and 36 R. 39 W. is S. 14.28 chs. from the random, therefore the course of the corrected parallel is N. 89° 18' W. and the Northing 45 lks. per half mile. The distance from this cor. to the old cor. of secs. 35 and 36 R. 39 W. is 162.90 chs. therefore the distance to the cor. of T. 75 N., Rs. 38 and 39 W. should be 81.45 chs. from the old cor. of secs. 31 and 32, consequently I run

N. 89° 18' W. on S. bdy. of sec. 31
over rolling ground, along top of low hills

1.00	Begin gradual descent along N. slope
14.00	Trail course N. W. and S. E. to Hyannis
15.00	Enter level ground N. W. and S. E. thence over level ground along N. edge of Valley
40.72	Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
	Set E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked S.C. 1/4 S. on N. face
45.00	E. Edge of impassible swamp, course N. W. and S. E. as this point I offset to the N. 6 chs. and run
	N. 89° 18' W. on the offset line, along N. edge of slough over rolling ground
81.45	Point N. of cor. of T. 75 N., Rs. 38 and 39 W.

6th Standard Parallel North, through Range 38 W. continued

chains. The cor. of T. 25 N. Rs. 38 and 39 will fall in marsh
and as a witness cor. can be set on the Standard
Parallel within 20 chs. of the point for cor.
I make no corner at this point
Land, level and rolling
Soil, sandy 1st and 3rd rate
No timber. Prairie, slough and sand grass
May 29-1895

6th Standard Parallel North, through Range 39 W.

chains N. 89°18' W. on S. bdy. of sec. 36
From a point 6 chs. N. of the cor. of Tps. 25 N. Rs. 38 and
39 W. on the offset line
11.00 I offset to the S. 6 chs. to the Standard
line, and the S. bdy. of sec. 36 where I
set an Oak post 3 ft. long 4 ins. sq. with charred stake
24 ins. in the ground for witness cor. to the Standard
cor. of T. 25 N., Rs. 38 and 39 W. marked
W.C. S.C. T. 25 N. on W.
R. 38 W., S 31 on E. and
R. 39 W. S. 36 on W. faces, with 6 grooves on N.E. and W. faces
dug pits 30x24x12 ins. crosswise on each line E. and
W. 4 ft. and N. of post 8 ft. dist. and raised a mound
of earth 5 ft. base 2½ ft. high N. of cor.
at this cor. I turn an angle of 89°18' from W. to N.
from my line, and the magnetic bearing of the
true meridian has determined is N. 13° 05' W
at 5 P.M. which reduced by the table on page 100
of the manual gives the mean magnetic
declination of 13° 07' E.
Thence I run along S. bdy. of sec. 36 over level ground
14.50 Trail, course N. 70° E., S. 70° W.
17.00 Foot of bluffs on range N.E. and S.W. ascend very
abruptly
40.00 Top of ascent 100 ft. above valley, thence over broken
ground along top of range course of range W. and N.E.
40.75 Deposit a charred stake 12 ins. in the ground for
Standard ¼ cor. dug pits 18x18x12 ins. E. and W. of
cor. 4 ft. dist. and raised a mound of earth 3½
ft. base 1½ ft. high over deposit.

6th Standard Parallel North, through Range 39 W. continued

chains In E. pit drove an Oak stake 2 ft. long 2 ins. sq.
12 ins. in the ground, marked
S.C. 1/4 S. on W. face
61.50 Begin gradual descent along W. slope over broken
ground
81.45 The old cor. of secs. 35 and 36, mound and pits with
cedar stake in mound where I
set an Oak post 3 ft. long 4 ins. sq. with charred stake
and the old stake, 24 ins. in the ground for Standard cor.
of secs. 35 and 36, marked
S.C. T. 25 N., R. 39 W. on N.
S. 36 on E. and
S. 35 on W. faces, with 1 groove on E. and 5 grooves on W.
faces. dug pits 24x18x12 ins. crosswise on each
line E. and W. 3 ft. and N. of post 7 ft. dist. and
raised a mound of earth 4 ft. base 2 ft. high
N. of cor.
Land, level and broken
Soil, sandy 1st and 3rd rate
No timber. Slough, prairie, and bunch grass
This cor. is S. 14.28 chs. from the random and the
old ¼ sec. cor. on S. bdy. of sec. 34 is S. 12.08 chs. from
the random, therefore the course of the corrected
parallel is N. 88°53' W. and the westing 73 lks.
per half mile. The distance from this cor. to the old
¼ sec. cor. on S. bdy. of sec. 34 is 123.24 chs.
from the old cor. of secs. 35 and 36, consequently I run
May 29-1895

N. 88°53' W. on S. bdy. of sec. 35
Descend over broken ground
10.40 Bottom descent in ravine or pass course N. and S.
ascend over ridges and low bluffs
17.00 Top of ascent on low ridge, thence descend over
low sand bluffs, and ridges
33.00 Low ridge or bluff course N. and S. descend
41.08 Deposit a charred stake 12 ins. in the ground for
Standard ¼ sec. cor. dug pits 18x18x12 ins. E. and W.
of cor. 4 ft. dist. and raised a mound of earth
3½ ft. base 1½ ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq.

6th Standard Parallel North, through Range 39 W. continued

chains

12 ins. in the ground, marked
S.C. 1/4 S. on N. face
41.20 Trail to Hyannis, course N. and S.
ascend along N.E. slope over broken ground
57.00 Top of ascent 75 ft. above 1/4 cor., on top of range, thence
over rolling ground, ascending gently,
87.16 Set an Oak post 3 ft. long 4 ins. sq. with charred stake
24 ins. in the ground for Standard cor. of secs.
34 and 35, marked
S.C. T. 27 N., R. 39 W. on N.
S. 35 on E. and
S. 34 on W faces, with 2 grooves on E. and 4 grooves on W.
faces. dug pits 24x18x12 ins. crosswise on each line
E. and W. 3 ft. and N. of cor post 7 ft. dist. and raised a
mound of earth 4 ft. base 2 ft. high N. of cor.
Land, broken sand hills
Soil, sandy 3rd rate
No timber. Bunch grass

N. 88° 53' W. on S. bdy. of sec. 34
Over rolling ground along top of range
5.00 Begin gradual descent along N.W. slope
31.60 Trail, course N. and S. runs to Hyannis at foot
of descent, thence along foot hills sloping to N.E.
39.07 More fences, course N. and S.
41.08 The old 1/4 sec. cor. on S. bdy. of sec. 34 mound and pits where
I deposit a charred stake 12 ins. in the ground for
Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W.
of cor. 4 ft. dist. and raised a mound of earth
3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq.
12 ins. in the ground, marked
S.C. 1/4 S. on N. face
This cor. is S. 12.08 chs. from the random and the
old cor. of secs. 33 and 34 is S. 11.28 chs. from the
random, therefore the course of the corrected
parallel is N. 88° 48' W.
from this old 1/4 sec. cor. consequently I run

N. 88° 48' W. on S. bdy. of sec. 34
Over rolling foot hill

6th Standard Parallel North, through Range 39 W. continued

chains

47.00 Begin gentle descent along N.W. slope
58.00 Enter level land, course N.E. and S.W. thence along
S. edge of Valley over level land
81.90 The old cor. of secs. 33 and 34 mound and pits with
cedar stake in mound, where I
set an Oak post 3 ft. long 4 ins. sq. with charred stake
and the old stake, 24 ins. in the ground for Standard
cor. of secs. 33 and 34, marked
S.C. T. 27 N., R. 39 W. on N.
S. 34 on E. and
S. 33 on W. faces, with 3 grooves on E. and W. faces
dug pits 24x18x12 ins. crosswise on each line
E. and W. 3 ft. and N. of post 7 ft. dist. and raised
a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, rolling and level
Soil, sandy 1st and 3rd rate
No timber. Heavy prairie, sand and bunch grass.
This cor. is S. 11.28 chs. from random, and the old
1/4 sec. cor. on S. bdy. of sec. 33 is S. 10.70 chs. from
random, therefore the course of the corrected
parallel is N. 89° 08' W.
from the cor. of secs. 33 and 34, consequently I run

N. 89° 08' W. on S. bdy. of sec. 33
Over level land along S. edge of Valley
30.00 Leave Valley, thence over gently rolling land
40.71 The old 1/4 sec. cor. on S. bdy. of sec. 33, mound and pits
where I deposit a charred stake 12 ins. in the ground
for Standard 1/4 sec. cor. dug pits 18x18x12 ins.
E. and W. of cor. 4 ft. dist. and raised a mound of earth
3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq
12 ins. in the ground, marked
S.C. 1/4 S. on N. face
This cor. is S. 10.70 chs. from random and the old cor. of secs.
31 and 32 is S. 7.87 chs. from random, therefore the
course of the corrected parallel is N. 88° 36' W.
and the Northing 88 lks. per half mile. The
distance to the cor. of secs. 31 and 32 is 121.67 chs.
from this old 1/4 sec. cor. consequently I run
N. 88° 36' W. on S. bdy. of sec. 33

chains

ascend slightly over rolling ground

69.40 Trail to Hyannis course N. and S. ascend along N. E. slope

77.90 Wire fence, course N. and S.

81.00 Top of ascent 75 ft. above Valley

81.27 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground, for Standard cor. of secs. 32 and 33, marked

S.C. T. 25 N., R. 39 W. on N.

S. 33 on E. and

S. 32 on W. faces with 4 grooves on E. and 2 grooves on W. faces. dug pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.

Land, level and rolling

Soil, sandy 1st and 3rd rate

No timber. Prairie, sand, and bunch grass

N. 88° 36' W. on S. bdy. of sec. 32

Over rolling ground, along top of low range

5.00 Begin descent along N. W. slope over ridges

24.00 Enter level ground, course N. and S. in basin like Valley

40.56 Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit

In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

S.C. 1/4 S. on W. face

45.50 Trail to Hyannis, course N. 30° W., S. 30° E. ascend very gritty, over rolling ground

81.11 The old cor. of secs. 31 and 32, mound and pits where I set an Oak Post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 31 and 32 marked

S.C. T. 25 N., R. 39 W. on N.

S. 32 on E. and

S. 31 on W. faces with 5 grooves on E. and 1 groove on W. faces. dug pits 24 x 18 x 12 ins. crosswise on each line

chains

E. and W. 3 ft. and N. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high N. of cor.

Land, level and rolling

Soil, sandy 3rd rate

No timber. Sand grass.

This cor. is S. 7.87 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 31 is S. 7.10 chs. from the random, therefore the course of the corrected parallel is N. 88° 50' W.

N. 88° 50' W. on S. bdy. of sec. 31

Over nearly level land

14.00 Foot of bluff or range course N. 70° E., and S. W. ascend

20.00 Top of ascent 75 ft. above Valley, thence along S. face over ridges

24.00 Descend along S. W. ridge

40.00 Bottom descent in ravine or depression, course N. W. and S. E.

40.15 The old 1/4 sec. cor. on S. bdy. of sec. 31 mound and pits where I deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18 x 18 x 12 E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit

In E. pit drove an Oak Stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked

S.C. 1/4 S. on W. face

This cor. is S. 7.10 chs. from the random and the old 1/4 sec. cor. on S. bdy. of sec. 36 R. 40 W. is S. 5.17 chs. from the random, therefore the course of the corrected parallel is N. 88° 33' W. and the Northing 96 1/2 lks. per half mile. The distance from this cor. to the old 1/4 cor. on S. bdy. of sec. 36 is 80.24, the distance to the established cor. of T. 25 N., Rs. 39 and 40 W. therefore 40.15 chs. from this old 1/4 sec. cor. Consequently I run

N. 88° 33' W. on S. bdy. of sec. 31

ascend along N. E. face

54.00 Top of ascent on low range of hills, thence over broken ground

70.00 Begin descent over rolling ground

6th Standard Parallel, North through Range 39 W. concluded

chains along S. W. slope
80.27 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of T. 25 N., Rs. 39 and 40 W. marked
S.C. T. 25 N. on N.
R. 39 W., S. 31 on E. and
R. 40 W., S. 36 on W. faces, with 6 grooves on N. E. and W. faces. dug pits 30 x 24 x 12 ins. crosswise on each line, E. and W. 4 ft. and N. of post 8 ft. dist. and raised a mound of earth 5 ft. base 2½ ft. high N. of cor.
At this cor. I turn an angle of 88°33' from my line from W. to N. and find that the magnetic bearing of the true meridian thus determined at 4 o'clock P.M. is N. 13°50' W., which reduced by the table on page 100 of the manual gives the mean magnetic declination of 13°52' E.
Land, level and broken
Soil, Sandy 3rd rate
No timber. Sand and bunch grass
May 30 - 1895

6th Standard Parallel North, through Range 40 W.

chains N. 88°33' W. on S. bdy. of sec. 36
Over rolling foot hills
13.50 Enter Valley course N. 70° W., S. 70° E.
28.75 Begin slight ascent over rolling ground
40.12 The old ¼ sec. cor. on S. bdy. of sec. 36 mound and pits where I Deposit a charred stake 12 ins. in the ground for Standard ¼ sec. cor. dug pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
On E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
S.C. ¼ S. on N. face
This cor. is S. 5.17 chs. from the random and the old cor. of secs. 35 and 36 is S. 4.27 chs. from random therefore the course of the corrected parallel is N. 88°39' W.
from this old ¼ sec cor. consequently I run

6th Standard Parallel North, through Range 40 W. continued

chains N. 88°39' W. on S. bdy. of sec. 36
61.00 Enter rolling ground sloping to S. E.
69.00 Begin slight ascent along S. slope
80.38 The old cor. of sec. 35 and 36, mound and pits where I set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 35 and 36, marked
S.C. T. 25 N. R. 40 W. on N.
S. 36 on E. and
S. 35 on W. faces, with 1 groove on E. and 5 grooves on W. faces. dug pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft., and N. of post 7 ft. dist. and raised a mound of earth 4 base 2 ft. high N. of cor.
Land, level and rolling
Soil, sandy 3rd rate
No timber. Sand and bunch grass
This cor. is S. 4.27 chs. from the random and the old closing cor. of T. 24 N., Rs. 40 and 41 W. is on the random line. therefore the course of the corrected parallel is N. 89°05' W. and the Northing 66 lks per half mile, the distance from this cor. to the closing cor. of T. 24 N., Rs. 40 and 41 W. is 263.20 chs. or a surplus of 1.40 chs. to be divided proportionately to the old distance making each mile 80.43 chs.
from this cor. of secs. 35 and 36, consequently I run

N. 89°05' W. on S. bdy. of sec. 35
Ascend gradually along S. E. slope
19.00 Top of ascent 50 ft. above cor. on ridge, course N. E. and S. W. thence over broken ground
25.00 Begin gradual descent over broken ground sloping to N. W.
40.21 Deposit a charred stake 12 ins. in the ground for Standard ¼ sec. cor. dug pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3½ ft. base 1½ ft. high over deposit
On E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S.C. ¼ S. on N. face

6th Standard Parallel North, through Range 40 W. continued

chains

Descend over foot hills

50.00 Foot of bluff or range in ravine course S. W. and N. E. ascend along S. E. slope

64.00 Top of ascent on S. face of bluff 75 ft. high thence along S. face of range descending

80.43 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 34 and 35, marked
S. C. T. 25 N., R. 40 W. on W.
S. 35 on E. and
S. 34 on W. faces, with 2 grooves on E. and 4 grooves on W. faces. dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and W. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high W. of cor.
Land rolling and broken
Soil, sandy 3rd rate
No timber. Bunch and sand grass

May 30 - 1895

N. 89° 05' W. on S. bdy. of sec. 34
Over ridges along S. face of range

24.00 Begin gradual descent along W. slope

40.21 Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S. C. 1/4 S. on W. face
Descend over rolling ground.

44.50 Bottom descent in ravine course N. and S. at foot of bluff ascend abruptly

67.50 Top of ascent 100 ft. above ravine on range, course S. W. and N. E. thence over broken ground

75.50 Begin descent along W. W. slope over ridges

80.43 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs. 33 and 34, marked
S. C. T. 25 N., R. 40 W. on W.
S. 34 on E. and

6th Standard Parallel North, through Range 40 W. continued

chains

S. 33 on W. face, with 3 grooves on E. and W. faces dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and W. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high W. of cor.
Land, broken
Soil, sandy, 3rd rate
No timber. Bunch and sand grass

N. 89° 05' W. on S. bdy. of sec. 33
Descend along W. W. slope of range over ridges and ravines

40.00 Bottom descent in ravine course N. 20° W., and S. 20° E.

40.21 Deposit a charred stake 12 ins. in the ground for Standard 1/4 sec. cor. dug pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raised a mound of earth 3 1/2 base 1 1/2 ft. high over deposit
In E. pit drove an Oak stake 2 ft. long 2 ins. sq. 12 ins. in the ground, marked
S. C. 1/4 S. on W. face

47.00 Foot of bluff or range, ascend along W. E. slope

50.00 Top of ascent 50 ft. above cor. thence descend gradually along N. W. slope

64.00 Bottom descent in ravine or narrow Valley course N. 70° E., S. 70° W. ascend gully along S. E. slope of range

80.43 Set an Oak post 3 ft. long 4 ins. sq. with charred stake 24 ins. in the ground for Standard cor. of secs 34 and 33, marked
S. C. T. 25 N., R. 40 W. on W.
S. 33 on E. and
S. 34 on W. faces, with 4 grooves on E. and 2 grooves on W. faces, dug pits 24x18x12 ins. crosswise on each line E. and W. 3 ft. and W. of post 7 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high W. of cor.
Land, broken and rolling
Soil, sandy 3rd rate
No timber. Sand and bunch grass

6th Standard Parallel North, through Range 40 W. concluded

chains	
	N. 89° 05' W on S. bdy. of sec. 34
	Descend slightly along S. W. slope
17.00	Enter basin like valley course N. W. and S. E.
19.00	Ascend gently over foot hills
21.91	The closing cor. of T. 24 N. R. 40 and 41 W.
	Land Rolling
	Soil sandy 3rd rate
	No Timber, sand grass

May 31, 1895

General Description.

This line runs over a very broken country, the ranges of hills have a general course of N. E. and S. W. — The country may be called a dry prairie, excepting in Ranges 37, 38 and 39 where the valleys or low lands are subject to overflow, causing a growth of heavy prairie grass, otherwise the grass is a thin sand and bunch grass.

No timber, except along the Loup River, where a small growth of cedar and plum are found.

The land is very sandy, unfit for cultivation, but very good for grazing purposes.

The Loup River in Ranges 35 and 36 is dry, except in wet times, the River in Ranges 32 and 33 is a stream about 40 lks. wide with low banks and 2 ft. deep — The river bottom is narrow, not being over 20 chains in width at any place. The Country on either side of the river is from 100 to 150 ft., higher than the river and the approaches to the river are very abrupt

Willard W. Alt,
U.S. ~~Deputy~~ Surveyor

May 31, 1895.

List of Names.

A list of the names of the individuals employed by Willard W. Alt, U. S. ~~Deputy~~ Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re survey of the Sixth Standard Parallel North through Ranges 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 and 40 W, and the 5th Standard Parallel North through Ranges 33, 34, 35, 36, 37, 38, 39, 40 and 41 W. of the 6th Principal

——— Meridian, in State of Nebraska, showing the respective capacities in which they acted:

Clarence P. Haggard – Chainman
Sidney Blott – Chainman
James G. Grover – Flagman
James C. Rosengren – Marksman
Theodore Neiland – Marksman

Final Oath of Assistants:

We hereby certify that we assisted Willard W. Alt, U. S. ~~Deputy~~ Surveyor, in surveying all those parts or portions of the Sixth Standard Parallel North through Ranges 31, 32, 33, 34, 35, 36, 37, 38, 39 and 40 West and the Fifth Standard Parallel North through Ranges 33, 34, 35, 36, 37, 38, 39, 40 and 41 W. of the 6th Principal

——— Meridian, State of Nebraska, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the ~~U. S. Surveyor General for~~

Clarence P. Haggard
Sidney Blott
James G. Grover
James C. Rosengren
Theodore Neiland

Subscribed and sworn to before me this 11th day of December, 1895.

SEAL

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E E Lowe
County Clerk
in & for Grant Co Neb.

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Final Oath of U. S. Deputy Surveyor.

I, Wilford W. Alt, U. S. ~~Deputy~~ Surveyor, do solemnly swear that, in pursuance of instructions received from Commissioner of the, ~~U. S. Surveyor General for~~ the General Land Office, bearing date of the 8th day of March, 1895, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ~~U. S. Surveyor General for~~ Commissioner of the General Land Office, the surveying manual, and the laws of the United States, surveyed all those parts or portions of 5th Standard Parallel North, through Ranges 33, 34, 35, 36, 37, 38, 39, 40 and 41 W, and the 6th Standard Parallel North through Ranges 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 and 40 W, of the 6th Principal

—— Meridian, in the State of Nebraska, as are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the ~~U. S. Surveyor General for~~ Commissioner of the General Land Office and in the specific manner described in the field notes, and that the foregoing are the true field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Wilford W. Alt
U. S. ~~Deputy~~ Surveyor.

Subscribed and sworn to before me this 15th day of September, 1896.

SEAL

Cyrus Satterlee
County Clerk

Approval.

Office of the ~~U. S. Surveyor General~~, Commissioner of the General Land Office

Washington, D.C. April 30th, 1897

The foregoing field notes of the survey of the 6th Standard Parallel North through Ranges 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 and 40 West of the 6th principal Meridian State of Nebraska

executed by Wilford W. Alt U. S. Surveyor under his Contract No. ....., dated December 26, 1895, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Binger Hermann
~~U. S. Surveyor General~~
Commissioner and ex officio Surveyor General for Nebraska

I certify that the foregoing transcript of the field notes of the above-described surveys ~~in~~ of the 6th Standard Parallel North, has been correctly copied from the original notes on file in this office.

Binger Hermann
~~U. S. Surveyor General~~
Commissioner and ex. officio Surveyor General for Nebraska

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General Land Office • Original Field Notes

Book Number

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W.W. Alt - 6th Standard Parallel through T 30 - 40 N

The images in this file are microfilm images of the notes of W.W. Alt resurveys of portions of the State of Nebraska on file in the Office of the Nebraska State Surveyor located in Lincoln, Nebraska.

The W.W. Alt resurveys began in the mid 1890's and were completed in the early 1900's.